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Spaulding High School
&
Richard W. Creteau Regional Technology Center



Program of Studies



2006 - 2007

**Rochester, New Hampshire
School Board**

Mrs. Nancy Warren, Chairperson
Mr. William Brennan
Mr. Frank Callaghan
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Mr. Robert Watson

**Rochester School Department
Administrative Staff**

332-3678

Superintendent of Schools
Mr. Michael Hopkins
Assistant Superintendent
Mr. Kent Hemingway
Curriculum Coordinators
Mrs. Sally Riley - Ms. Susan Deese

Addresses

Spaulding High School
130 Wakefield Street
Rochester, New Hampshire 03867
R. W. Creteau Regional Tech. Center
140 Wakefield Street
Rochester, New Hampshire 03867

Telephone Numbers

Main Office 332-0757
Tech Center Office 335-7351
Guidance Office 332-3822
Office of the Principal, Mr. Robert Pedersen ext. 217
Assistant Principal, Mr. William Douglass ext. 216
Assistant Principal, Mrs. Susan Randall ext. 262
Assistant Principal, Mr. James O'Rourke ext. 265
Technology Director, Mr. Richard Towne ext. 221
Office of the Director of Special Education, Ms. Jill Hastings ext. 230
Guidance Office, Mrs. Linda Durant ext. 240
Office of the Director of Athletics, Mr. David Colson ext. 243
Office of Adult Education, Mr. Thomas Alberghini ext. 269
Nurse's Office, Mrs. Bethann Welch ext. 242
Bud Carlson Alternative School, Ms. Kathy Dubois, Director 332-3678 ext. 138
Main Office Fax 330-0251
Tech Office Fax 335-7365
Guidance Fax 335-7377

Notice of Non-Discrimination

Spaulding High School, the Richard W. Creteau Regional Technology Center and the Rochester School Department do not discriminate in its education programs, activities or employment practices on the basis of **race, color, national origin, age, sex, disability, religion, marital status, or sexual orientation** under the provision of Title VI of the Civil Rights Act of 1964, the Age Discrimination Act of 1967, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Education of all Handicapped Children Act of 1975, or State Ed. Laws 303.01 and RSA 354-A. Furthermore, lack of English language skills will not be a barrier to admission and participation in any of the educational programs and activities held at or by Spaulding High School and the Creteau Technology Center.

Any person having inquiries concerning this system's compliance with the regulations implementing these laws may contact one of the following:

Mrs. Shelly Gingras, Title IX Coordinator
Sandra Strauss, Title III Coordinator, ESL
130 Wakefield Street
Rochester, New Hampshire 03867
(603) 332-0757
504 Coordinators, Guidance Department
Spaulding High School
130 Wakefield Street
Rochester, New Hampshire 03867
(603) 332-0757 Ext. 238

Mrs. Sharon Pray, Special Education Director
Superintendent's Office
150 Wakefield Street
Rochester, New Hampshire 03867
(603) 332-3678

Any person wishing to file a grievance in regards to one of the above laws may follow the district's grievance procedure through either the districts website www.rochesterschools.com (school board policy) the telephone hotline (603-335-7373), by completing a grievance form located in the school offices, or by verbally reporting to principal, counselor, school nurse, teacher, or one of the above listed coordinators.

Any person may also contact the Assistant Secretary for Civil Rights, United States Department of Education or the Director, United States Department of Education. Office of Civil Rights, Region I, Boston Massachusetts.

Message from the Principal

Dear Students and Parents:

This program of studies is designed to give you a clear and concise picture of the wide variety of course offerings available at Spaulding High School. As you read through the following pages you will notice that courses and descriptions are arranged by career pathways which are designed to make career decision-making an easier task. Also, included are descriptions of our grading policy, diploma requirements, guidance and counseling program and suggestions regarding admissions to post-secondary institutions. This will be very helpful information for you to consider.

As you make selections, it would be wise to discuss your options with a guidance counselor and/or teachers so that correct choices are made. There is definitely too much information to digest in one reading...keep this program of studies throughout the weeks and months ahead and refer to it often.

Good luck as you embark on the course selection "journey". We will all be glad to assist you in the process.

Sincerely,

Robert A. Pedersen
Principal

Spaulding High School Mission Statement

The Mission of Spaulding High School, in partnership with our community, is to provide a quality education by recognizing and developing the talents of all students.

In a respectful environment, we will encourage students to establish a life plan, to maximize their potential, and to become productive citizens.

Student Expectations - "The Spaulding High Five"

- 1. **Essential Knowledge** - Students will demonstrate that they have acquired essential knowledge and skills prescribed by the curriculum for the courses they have taken.
- 2. **Problem Solving** - Students will effectively access, analyze, and apply information from a variety of existing formats to problem solve.
- 3. **Career and Educational Development** - Students will develop an awareness of their talents and options, and apply this knowledge in planning for their futures.
- 4. **Civic and Social Responsibility** - Students will develop and exhibit values that embrace community involvement and citizenship.
- 5. **Personal Wellness** - Students will learn to make choices resulting in mental, physical, and emotional well-being.

Block Schedule

Block A	7:30 - 9:00	Block A = 86 minutes
Block B	9:07 - 10:33	Block B = 86 minutes
Block C1	10:40 - 11:10	
Block C2	11:10 - 11:40	Block C = 86 minutes
Block C3	11:40 - 12:10	plus 30 minute lunch
Block C4	12:10 - 12:40	
Block D1	12:47 - 1:29	
Block D2	1:33 - 2:15	Block D1 - D2 = 84 minutes

TABLE OF CONTENTS

Introduction	2
Class Rank	3
Honor Roll	3
Marking System	3
Grade Point Average (GPA)	3
Diploma Requirements	4
What Do Colleges Want?	4
Guidance and Counseling Program	5
Academic Levels	5
Class Standing	5
Add & Drop Policy	5
Pathways To Success	6
Arts, Communication, and Humanities	7
Business, Management, and Computer Technology	8
Health and Human Services	9
Industrial and Engineering Technology	10
Natural Resources	11
COURSE LISTINGS BY DEPARTMENT	
Aerospace AFJROTC	12
Art	12
Business	12
English	13
Family and Consumer Science	13
Interdepartmental Studies	14
International Language	14
Mathematics	15
Music	16
Physical Education	16
Science	16
Social Studies	17
Special Education	17
Technology Education	18
Vocational - Technology Programs	19
Extracurricular Activities	20 - 21
Sports	20 - 21
Alphabetical Listing of Course Descriptions	22 - 36
Four Year Plan	37
GENERAL INFORMATION & SUPPORT SERVICES	
Career Support Center	38
Health Services	38
Library/Media Center	38
Running Start	38
Adult Education	39
Bud Carlson Alternative School	39
Failing Classes Policy	39
Freshman Academy	39
Plato Learning Program	39
NCAA Initial Eligibility Requirements	39
Summer School	39

Thank you, Kelly Grenier and Griffin Harte for the use of your art work on the cover of this publication.



THE HONOR ROLL

High Honors: to achieve High Honors a student must earn no grade below 93 in any course (except Honors and Advanced Placement level), with a minimum of three full blocks. Students in an Honors or Advanced Placement course can earn a grade of 91 and still qualify for High Honors.

Honors: to achieve Honors a student must earn no grade below 85 in any course, with a minimum of three full blocks.

MARKING SYSTEM

93-100	= work of special distinction
85-92	= commendable work
77-84	= satisfactory work
70-76	= work of the lowest passing grade
0-69	= unsatisfactory work-no credit
P	= passing
F	= failure
X	= excessive absences, no credit
I	= incomplete
W	= withdrawn
WF	= withdrawn fail

Numerical grades are used for student report cards. The weights for academic grades are listed below.

Grade	Honors/AP	CP	All Others
98-100 = A+	5.50	5.00	4.50
95-97 = A	5.25	4.75	4.25
93-94 = A-	5.00	4.50	4.00
91-92 = B+	4.50	4.00	3.50
88-90 = B	4.25	3.75	3.20
85-87 = B-	4.00	3.50	3.00
83-84 = C+	3.50	3.00	2.50
80-82 = C	3.25	2.75	2.25
77-79 = C-	3.00	2.50	2.00
75-76 = D+	1.50	1.50	1.50
72-74 = D	1.25	1.25	1.25
70-71 = D-	1.00	1.00	1.00
0-69 = F	0	0	0

NOTE: Many colleges will convert a prospective student's GPA to a 4.0 scale. Your current GPA is lower when converted to a 4.0 scale. All courses, except those designated AP, H, CP in the course title, are weighted on the 4.5 scale.

Grade Point Average (GPA)

Grade point average (GPA) is the total number of grade points accumulated, using the weighted scale shown above, divided by the total number of credits attempted. A weighted scale is used to reward students who take more rigorous classes.

Class Rank

A Student's GPA will be multiplied by the total number of credits earned to a maximum of eight credits per year, to establish "quality point total" (QPT). QPT, will be used to determine class rank. The purpose for this school board approved change is to reward students who take more rigorous classes and it will also reward students who take a greater number of classes up to a maximum of eight credits per year.

Beginning with the class of 2009 ranking will be by GPA only.

DIPLOMA REQUIREMENTS

English Language Arts	4 credits Core English
Mathematics	3 credits
Social Studies	2-1/2 credits - Classes of 2007 & 2008 2-1/2 credits - Classes 2009 and beyond 2 credits US History and 1/2 credit Economics, Economics and You or Marketing CP 1 credit US History and 1/2 credit economics, 1/2 credit civics, and 1/2 credit global studies
Science	*3 credits 1 credit physical science 1 credit Biology 1 credit other science
Arts Education	1/2 credit Any Music/Fine Arts class, Art 1, Housing & Home Decor, Graphic Tech, Drafting Trades 1, and Graphic Trades 1
Computer Education	Passing grade in one of the following: 8th grade Computer, Computer/Word Processing, Computer/Microsoft Office 2000, Computer Database Management, Computer Excel, Business Management 1, Drafting Technology, Drafting & Design, Drafting Trades 1, Computer Technology, Computer Software Applications
Physical Education	1 credit
Health Education	1/2 credit
Total Credits Required for Graduation 26 credits	

***Choose one for the physical science requirement:**

Earth Science, Environmental Science, Physical Science, Chemistry, Physics.
ROTC Aviation History and ROTC Flight Science, must pass both to equal one physical science credit.

Choose one for the Biology requirement:

Biology

Choose one for the Third science credit requirement:

Earth Science, Environmental Science, Physical Science, Integrated Freshman Science, Chemistry, Physics, Anatomy & Physiology, ROTC 3 Space Exploration, Electricity 1/2, Computer Technology 1 (Rochester), Health Science Technology 1, Horticulture/Manufacturing (one year), Microbiology/Technology, Lab Science.
Out of District - Animal Science 1 (Dover), Horticulture/Landscaping 1 (Somersworth), Natural Resources/Forestry 1 (Dover), Robotics 1 (Somersworth).

HONORS DIPLOMA REQUIREMENTS

A minimum of 75% of credits completed at the CP level or higher and a GPA of 3.5 or higher.

Be aware that fulfilling minimum graduation requirements will NOT meet most college admissions requirements.

NOTE: The student is ultimately responsible for making sure that all graduation requirements are met. Your counselor will assist you in the course selection process and will devote time during your scheduled interview to the discussion of your future plans and course options.

Suggested Units for Admission to Post-Secondary Schools

	English	Math	Lab Sci.	Soc. St.	For Lang.
Two-Year/Tech Colleges	4	2-3	1-3	3	0-2
Four-Year Colleges	4	3-4	2-4	3	2-4
Highly Selective Colleges	4	4-5	3-4	3-4	3-4

These numbers vary with the intended area of specialization of each student as well as with the demands of each school. See your counselor for information about specific requirements for your program of interest.

TIPS FROM THE EXPERTS

The single most important factor in admission decisions is your academic record. The types of courses you select, as well as the number of years you study a subject and the grades you earn, are of primary importance. According to the vice presidents of the six New England public universities in their pamphlet titled Preparing for Higher Education: a four-year college-bound student should plan a high school program to include the following:

- ENGLISH: 4 years
- MATH: 3-4 years "at least three, and preferably four years of college preparatory mathematics" *
- SOCIAL STUDIES: 2-3 years
- SCIENCE: 3-4 years "preferably three years of study devoted to biology, chemistry, and physics" **
- FOREIGN LANGUAGE: 2-4 years of the same language

SENIOR YEAR: In addition to these recommendations concerning course work and overall objectives, we want to make suggestions about course schedules. Several studies have noted the tendency for high school students to avoid the more demanding and challenging courses available to them. This tendency has been especially apparent during the senior year, after most college and university admission decisions have been made. We want to emphasize that this interruption in the learning process makes the transition to college more difficult. We urge high school seniors to test their abilities at more demanding levels during their final year and to use that time period as an opportunity to experiment with new subject areas.

MODIFIED DIPLOMA REQUIREMENTS

The modified diploma is granted to skill-level students, foreign exchange students and home-school students who meet the criteria for successful completion of their respective requirements for graduation. The diploma will state that it is modified. The sixteen credits required for the modified diploma include the following:

English Skills	4 credits	Reading Skills	4 credits
Mathematics Skills	4 credits	Science Skills	1 credit
Social Studies Skills	1 credit	Health and Safety Skills	1/2 credit
Electives	1-1/2 credits		
Total Credits		16	

Each skills-level student in line for a Modified Diploma will have an IEP meeting set-up by the Special Education Department to acknowledge diploma eligibility as it meets the needs of each student. This meeting will give the parent, student and involved personnel the opportunity to make the necessary changes to a standard diploma program if appropriate.

***** **WARNING** *****

*Algebra 1A CP and Algebra 1B CP are equivalent to one year of college prep algebra even though two credits are issued.

** Although ROTC Aviation History and ROTC Flight Science fulfills one physical science diploma requirement, IT IS NOT A LAB SCIENCE. Therefore, it may not meet the science requirement for admission to some colleges.

Guidance and Counseling Program

SERVICES PROVIDED BY THE GUIDANCE AND COUNSELING DEPARTMENT:

Individual Planning -- Provide activities that help students plan, monitor, and manage their own learning and their personal and career development;

Group Guidance Activities - - Small groups from both inside and outside of the classroom help students to identify interests or needs;

Career/College Planning -- Provide resources and services to assist students in making post-secondary, educational and/or occupational transitions;

Parental Outreach -- Provide information regarding educational and/or occupational opportunities for students;

Team work/Staff -- Guidance and counseling services should be the shared responsibilities of not only the certified counselor, but also parents, teachers, administrators, other school personnel, community resource persons, and where appropriate, other students;

Resource -- Act as a resource to help the school evaluate its program as it relates to the educational goals of all students.

ACADEMIC LEVELS

Honors (H) courses and the **Advanced Placement (AP)** Program are college preparatory and require that students have a high achievement record and a willingness to do independent study.

College Preparatory (CP) courses are taught at a high academic level and require considerable preparation time on the part of students.

Academic Tech (AT) courses offer students an academic background in preparation for life after high school as well as preparation for vocational/technical schools and some colleges.

Skills (SK) courses are individualized courses taught by the Special Education Department in accordance with each student's **Individual Education Plan (IEP)**.

CREDITS FOR CLASS STANDING

Class standing is determined by the number of credits a student has at the end of a school year.

Sophomore:	5 credits minimum
Junior:	11 credits minimum
Senior:	18 credits minimum

INDEPENDENT STUDY

Independent study is an option for junior and senior students who have demonstrated an ability to do advanced work and who desire to investigate academic topics beyond the scope of learning experiences offered in the program of studies at Spaulding High School. No more than one independent study may be taken per semester. The deadlines for initiating and completing regularly scheduled courses are applicable to independent studies. Students considering independent study should first consult with their guidance counselor to receive initial permission. Students seeking credit for college course should see their guidance counselor.

Who is My Guidance Counselor?

Counselors at Spaulding are assigned alphabetically according to the student's last name.

COUNSELORS

Mrs. Wendy Hendryx
Mrs. Claudia Watson
Mr. Brian Corey
Mrs. Shelly Gingras
Ms. Karen McDermott
Mrs. Linda Durant
Mrs. Sarah Shapleigh
Ms. Nichole Bandara
Telephone

STUDENTS ASSIGNED

A - Ch
Ci - Ga
Gb - K
L - Na
Nb - Sq
Sr - V
W - Z
Social Worker
332-3822

NOTE TO PARENTS: BUILDING A MASTER SCHEDULE

Did you know that students drive the scheduling process? It's true. The courses we offer and the number of times each course is offered depends on the student. That is why each year we ask students to think carefully about the courses they choose. So, just how does this really work?

The scheduling process begins each year with students selecting the courses they want and need to take in the upcoming year. Since there are eight blocks which need to be filled, all students must sign up for a minimum of eight credits. In addition, students are asked to give us two more credits of course choices because it is not always possible for a student to schedule all of his or her first choice classes.

Next, all student course selections are entered into the computer and a course tally is run to find out how many students signed up for each course. The number of sections offered for each course is determined by the total number of students wishing to take this course. Thus, there will be more sections of a course requested by a lot of students. On the other hand, a course requested by only a very few students might not be offered at all. These decisions are based upon the number of available staff in a particular area and on the maximum class size.

Armed with all this information about course tallies, teacher availability, and class size, a master schedule is built. This is the most time consuming task in the scheduling process. The goal is to develop a master schedule which will enable the majority of students to take every course for which they are registered. Once a master schedule is built, it is tested by using actual student requests. Knowing that some class combinations are harder to schedule than others, a cross section of student schedules are developed. Usually some problems surface at this point and the master schedule is changed to accommodate the needs of the students. This test – refine – test process may occur many times before the master schedule is finalized. The master schedule is deemed finished when it meets the needs of the most students possible.

So, why don't students get every class they want? Because it is virtually impossible to develop such a perfect schedule which could accommodate over 1600 students. For example, students who choose several classes where only one section is offered may find that one class conflicts with another. This is unavoidable if the schedule is to meet the needs of the vast majority. This is why it is vital to have some second choice options available.

ADD/DROP POLICY

The administration has made every effort to create optimal schedules for students, and the guidance counselors are available throughout the spring and summer to make necessary changes. Once a course has started, students **may not initiate** schedule changes. Schedule changes are not always possible due to teacher and room availability, scheduling conflicts and available seats. In addition, all students will benefit from a balanced master schedule, which is characterized by evenly distributing class sizes throughout the day. This will allow more students to take advantage of the benefits of smaller class sizes and more individualized attention from teachers. Once our master schedule is built it is very difficult to make changes without negatively impacting other students and teachers. Therefore, schedule changes **will not be made** unless one or more of the following criteria is evident:

1. The student is enrolled in a course with a teacher, with whom they have previously failed the course.
2. The student has not earned the appropriate grade in a prerequisite course.
3. The student has not been enrolled in the appropriate level of a course.

Other circumstances require approval from Spaulding High School administration before schedule changes are granted. A meeting with the principal, parents, teacher and/ or counselor may be required to determine if the schedule change is absolutely necessary. In the event that a student is allowed to withdraw after a class has begun, academic records will reflect either a "W" or a "WF", dependent upon whether the student was passing (W) or failing (WF) the course at the time of the withdrawal.

In the event a schedule change is made, it is the student's responsibility to make arrangements with the teacher to make up work that was assigned before the class was added. It is also the responsibility of the student to return all school property such as textbooks or uniforms to the teachers who issued them.

Students must continue to attend all classes while in the process of attempting a schedule change, because attendance records will follow them to their new class. If the schedule change is denied and a student has missed several days, they could be in jeopardy of receiving an administrative failure or accumulating a large amount of make-up work.

Pathways to Success

Pathways to Success is our local effort of the national School to Work initiative. This effort identifies that education and career awareness is a lifelong process. Four major efforts at the high school are Career Internship, Career Education, Senior Exiting Seminar, and the Career Cluster Concept. Pathways to Success also has components at the elementary and middle school level.

Career Clusters

The U.S. Department of Labor lists more than 20,000 job titles. This number is unmanageable for use in career exploration. The Career Cluster concept simplifies career exploration by grouping thousands of job titles into one of five Career Clusters. These are:

Arts, Communication, & Humanities
Business, Management, & Computer Technology
Health & Human Services
Industry & Engineering Technology
Natural Resources

So You're Headed to High School . . .

Develop a four-year plan based upon your results from career exploration activities.

Course selection is very important in preparing for the future. Think it through and plan ahead!

You can increase your opportunities to excel after high school by taking the highest level courses for which you are prepared.

To assist you in making your course selections more meaningful throughout your time at Spaulding, the Career Education class will help you set realistic goals for yourself so that you can obtain the preparation needed to be successful after high school.

Freshman Year

Review & update your four-year plan with your present career interest in mind. Discuss your plan with your guidance counselor at your January interview.

Challenge yourself with high level courses.

Take advantage of opportunities in your freshman classes to prepare for the future by gaining awareness of your interests, abilities, and the marketplace demands.

Based on your awareness, we suggest you focus your career goals in one or two career clusters.

Take classes designed to augment your understanding and appreciation of those clusters.

Sophomore Year

Review & update your four-year plan with your guidance counselor at your sophomore interview in December.

Take exploratory classes related to your career cluster interests.

Continue to challenge yourself with high level courses.

Participate in the Career Day.

Participate in Informational Interviewing and/or Job Shadowing with professionals in the fields of work that interest you.

Consider technical programs offered at Spaulding, Dover, or Somersworth High Schools.

Junior Year

Schedule your junior interview in November with your guidance counselor to consider seriously career and college options.

Take advantage of classes related to your career cluster choice.

Participate in a job shadow or internship.

Take the fall PSAT/NMSQT at Spaulding High School.

Meet with college, community/technical school, or military representatives.

Consider taking the ASVAB when offered.

Register for SAT1 and/or SAT2.

Visit and research colleges. Explore employment options.

Heading into your senior year, DO NOT SLACK OFF! Take challenging courses.

Attend Junior College Night.

Senior Year

Meet with your guidance counselor in September for your senior interview and to complete your Intent to Graduate Form.

In order to be prepared for success on the job or at college, take demanding courses in subject areas related to your career cluster choice.

Participate in a job shadow or internship.

Take advantage of the "College Admission Workshop Series."

Complete the college application process. Apply for financial aid and submit local scholarship applications.

If college is not in your immediate future, begin to research and interview for full-time employment.

And Life Beyond High School . . .

Post Secondary Education . . .

Employment . . .

ATTENTION ATTENTION ATTENTION ATTENTION ATTENTION

Learning is LIFE-LONG!

70% of jobs, today and in the future, require two years post-secondary education.

15% of jobs today require four or more years of post-secondary education.

Throughout your lifetime in the world of work, you will be required to update your skills.

Arts, Communication, & Humanities

This pathway is designed to meet the needs of students considering careers that utilize skills from the fine arts.

Possible Career Opportunities

Entry Level
 Picture Framer
 Movie/TV Extra
 Sound Technician
 Darkroom Assistant
 Floral Design Assistant
 Sign Painter
 Seamstress
 Dancer
 Instrumentalist
 Lighting Technician

Technical Level
 Instrument Repair
 Weaver/Potter
 Library Media Specialist
 Singer
 Choreographer
 Studio Artist
 Sculptor
 Graphic Designer
 Jewelry Designer
 Historical Interpreter

Professional Level
 Architect
 Art Restorer
 Fashion Designer
 Interpreter/Translator
 Editor/Publisher
 Cinematographer
 Conductor
 Teacher/Educator
 Journalist/Photographer
 Public Relations Writer

Possible College Majors with Some Suggested High School Courses

Fine Arts
 Art 1, 2, 3, 4
 Art 3 H, 4 H
 Art AP
 Sculpture
 Ceramics
 Painting & Drawing
 Commercial Art
 B&W/Digital Photography
 Film

Literature
 Exploring Cultures
 Children's Literature
 Historical Fiction
 English
 College Composition
 Reading and Writing
 Reading for Success

Commercial Art
 Commercial Art/Art 1
 Housing & Home Decor
 Computer/Word Processing
 Creative Stitching 1, 2
 Graphic Communications Tech
 Drafting Trades 1 & 2
 Woodworking Tech 1, 2, 3
 Drafting & Design
 B&W/Digital Photography
 Graphic Trades 1 & 2
 WebPage Design 1 - Intro to HTML
 WebPage Design 2 - Adv. HTML

Music & Drama
 Band
 ACES
 Chorus
 Music Appreciation
 Film: Mirror and Message
 Theatre 1 & 2
 Intro to Music Technology
 Intro to Television Production
 Dance 1, 2
 Handbells 1, 2
 Advanced Audio Recording



Media & Communication
 Reading & Writing
 Newswriting & Photo
 Photography: B&W and Digital
 Children's Literature
 Film: Mirror and Message
 Reading For Success
 Computer/Word Processing
 Marketing
 Graphic Communications
 Intro to Television Production
 Theatre 1 & 2

Language & Culture
 Exploring Cultures
 French 1, 2, 3, 4, 5
 Spanish 1, 2, 3, 4, 5
 Latin 1, 2, 3, 4
 Psychology/Sociology
 Travel & Tourism
 Modern World History
 Contemporary Problems
 Current Issues
 International Foods
 Global Studies

The Benefits of having a
 Non-Traditional Career:

It can be Exciting
 More Variety
 Job Satisfaction
 Learning Valuable Skills

This represents only a small number of the career opportunities/college majors available in the Arts, Communication, & Humanities pathway. Please discuss with your counselor your own ideas and how best to prepare for further education in those areas.

Business, Management, & Computer Technology

This pathway is designed to meet the needs of students considering careers that utilize skills from the business or computer areas.

Possible Career Opportunities

Entry Level
 Receptionist
 Word Processor
 Bank Teller
 Payroll Clerk
 Cashier
 Customer Service Rep
 Salesperson
 Front Desk Clerk
 Telemarketer

Technical Level
 Court Reporter
 Claims Agent
 Real Estate Agent
 Computer Technician
 Medical Secretary
 Audit Clerk
 Purchasing Agent
 Retail Manager
 Sales Representative
 Travel Director

Professional Level
 Estate Planner
 Loan Officer
 Sports/Recreation Manager
 Bank Examiner
 Accountant/CPA
 Corporate Executive
 Advertising/Marketing Director
 System Analyst
 Investment Broker
 Entrepreneur

Possible College Majors with Some Suggested High School Courses

Sales & Marketing
 Accounting 1, 2
 Business Management 1, 2
 Business & Personal Law
 Commercial Art
 Computer - Excel
 Computer - Word Processing
 Current Issues
 Economics and You
 English Composition
 Graphic Communication Tech
 Marketing
 Newswriting & Photo
 Psychology/Sociology
 Reading & Writing

Office Occupations
 Accounting 1, 2
 Bookkeeping
 Business Management 1, 2
 Business & Personal Law
 Computer - Desktop Publishing
 Computer - Word Processing
 Computer - Excel
 Economics and You
 College Composition
 Marketing
 Reading & Writing
 Travel & Tourism
 WebPage Design 1- Intro to HTML

Sports/Recreation Mgmt.
 Accounting 1, 2
 Adventure Challenge
 Business Management 1, 2
 Computer - Excel
 Computer - Word Processing
 Economics and You
 Marketing
 Newswriting & Photo
 Personal Fitness
 Psychology/Sociology
 Sports Medicine
 Travel & Tourism
 Team Games



Accounting/Finance
 Accounting 1, 2
 Algebra 1, 2
 Bookkeeping
 Business & Personal Law
 Computer - Database Mgmt.
 Computer - Excel
 Computer - Word Processing
 Economics
 College Composition
 Reading & Writing
 Psychology/Sociology
 US History
 Reading for Success

Computer Technology
 Accounting 1, 2
 Algebra 1, 2
 Computer - Excel
 Computer - Word Processing
 Computer Technology 1, 2
 Computer - Desktop Publishing
 Drafting Trades 1, 2
 College Composition
 Graphic Trades 1, 2
 Graphic Communications
 Drafting & Design
 WebPage Design 1 - Intro to HTML
 WebPage Design 2 - Adv. HTML

Nearly 75% of tomorrow's jobs will require use of computers. The top five fastest growing occupations between 1998 and 2008 are information technology occupations, which require advanced computer skills. Learn new skills for higher paying jobs!

This represents only a small number of the career opportunities/college majors available in the Business, Management, & Computer Technology pathway. Please discuss with your counselor your own ideas and how best to prepare for further education in those areas.

Hotel/Restaurant Management
 Accounting 1, 2
 Computer/Word Processing
 Culinary Arts
 Business Management 1, 2
 Business & Personal Law
 Economics and You
 Exploring Cultures
 Exploring Foods
 Foreign Language
 International Foods
 Marketing
 Travel & Tourism
 Computer Desktop Publishing

Health & Human Services

This pathway is designed to meet the needs of students considering careers that utilize skills in the service fields.

Possible Career Opportunities

Entry Level
 Geriatric Aide
 Dietary Aide
 Certified Nurses Aide
 Home Health Aide
 Health Information Technician
 Day Care Worker
 Enlisted Service Personnel
 Police Officer
 Cook/Wait Person
 Flight Attendant
 Fitness Technician

Technical Level
 Licensed Practical Nurse
 Dental Hygienist
 Surgical Technician
 Pharmacy Technician
 Paramedic
 Transcriptionist
 Human Service Worker
 Cosmetologist
 Chef
 Paralegal

Professional Level
 Registered Nurse/Practitioner
 All Types of Doctors
 Social Worker
 Teacher/Educator
 Minister
 Lawyer/Judge
 Armed Services Officer
 Government Employee
 Psychologist
 Medical Librarian
 Athletic Trainer

Possible College Majors with Some Suggested High School Courses

Education
 Psychology/Sociology
 Reading & Writing
 Relationships
 Child Development
 Exploring Childhood
 Children's Literature
 Early Childhood Ed. 1 & 2
 Word Processing
 Computer - Excel
 Reading for Success
 Computer - Desktop Publishing
 WebPage Design 1 - Intro to HTML
 Exploring Teaching
 Practicing the Art of Teaching



Nursing & Related Fields
 Health Science Tech 1 & 2
 Psychology/Sociology
 Computer - Word Processing
 Anatomy & Physiology
 Sports Medicine
 High Level Science & Math
 Relationships
 Reading & Writing
 Reading For Success
 Business & Personal Law
 Lab Science Technology
 Chemistry
 Microbiology

Law/Government
 Psychology/Sociology
 Amer. Gov., Law, & the Adol.
 Contemporary Problems
 Current Issues
 Reading & Writing
 Exploring Cultures
 Business & Personal Law
 Computer - Excel
 Latin
 Newswriting & Photography
 Reading for Success
 Modern World History
 Computer - Desktop Publishing

Doctor/Dentist
 Physiology & Anatomy
 Latin
 Physical Science CP
 Biology H, CP
 Chemistry H, CP
 Trigonometry
 Calculus
 Psychology/Sociology
 Relationships
 Reading & Writing
 Reading for Success
 Microbiology/Biotechnology
 Physics

Culinary Arts
 Exploring Foods
 Cooking for Singles
 Culinary Arts 1 & 2
 International Foods
 Art
 Sculpture
 Business & Personal Law
 Foreign Language
 Exploring Cultures
 Marketing
 Business Management 1 & 2
 Intro to Foods
 Relationships

When considering your career options, you should always think about:

- What makes you happy?
 - What are your goals?
 - What are your dreams?

NH Job Notes

This represents only a small number of the career opportunities/college majors available in the Health & Human Services pathway. Please discuss with your counselor your own ideas and how best to prepare for further education in those areas.

Psychology/Counseling
 Psychology/Sociology
 Contemporary Problems
 Current Issues
 Child Development
 Exploring Childhood
 Early Childhood Educ. 1 & 2
 Relationships
 Business & Personal Law
 Reading for Success CP
 College Composition
 Reading & Writing

Industrial & Engineering Technology

This pathway is designed to meet the needs of students considering careers that utilize skills in the technology field.

Possible Career Opportunities

<u>Entry Level</u>
Carpenter
Equipment Assembler
Telephone/Cable
Installers/Repairs
Cabinetmaker
Welder/Cutter
Brick Layer
Machinist
Truck Driver
Painter
Roofer

<u>Technical Level</u>
Photographer
Electrician
Aircraft Mechanic
HVAC Mechanic
Plumber/Pipefitter
Surveying/Mapping Tech
Drafter
Engineering Tech
Water Treatment Plant
Operator
Auto Mechanic

<u>Professional Level</u>
Furniture/Machinery Designer
All Types of Engineers
Industrial Production Manager
Inspector/Tester/Grader
Aircraft Pilot
Programmer
Numerical Controller
Purchasing Agent/Buyer
Architect
Construction Manager

Possible College Majors with Some Suggested High School Courses

<u>Graphic Arts</u>
Computer - Word Processing
Computer - Excel
Graphics Communication Tech.
Graphics Trades 1 & 2
Art
Commercial Art
Photography: B & W, Digital
Algebra 1 & 2
Geometry
Marketing
Newswriting & Photography
Yearbook
House & Home Decor
WebPage Design - Intro to HTML



<u>Engineering</u>
Drafting Fundamentals
Drafting Technology: CAD
Drafting Trades 1 & 2
Electricity
Technical Drafting & Design
Algebra 1 & 2
Geometry
Trigonometry
Calculus
Physics
Computer Database
Accounting 1 & 2
Business Management 1
Business & Personal Law

<u>Computer Science</u>
Computer Technology 1 & 2
Algebra 1 & 2
Geometry
Trigonometry
Advanced Math
Chemistry
Physics
Computer Database
Business Management 1 & 2
Reading for Success
Computer - Desktop Publishing
Computer - Word Processing
WebPage Design - Intro to HTML
WebPage Design II

<u>Automotive Technology</u>
Sm. Engine Tech. 1
Electricity
Drafting Tech. 1 & 2
Automotive Trades 1 & 2
Machine Tool Tech. 1
Algebra 1 & 2
Geometry
Computer Word Processing
Accounting
Business Management
Intro to Computers
Computer Software Applications

<u>Civil Technology</u>
Drafting Fundamentals
Drafting Technology: CAD
Drafting Trades 1 & 2
Economics and You
Business Management 1 & 2
Chemistry
Physics
Algebra 1 & 2
Geometry
Trigonometry
Calculus
Computer Excel
Business & Personal Law

Women are nine times as likely as men to be single parents. What can women do? Go after the fastest growing jobs of the future in Technology.

This represents only a small number of the career opportunities/college majors available in the Industrial & Engineering Technology pathway. Please discuss with your counselor your own ideas and how best to prepare for further education in those areas.

<u>Machinist</u>
Machine Tool Tech.
Machine Tool Trades 1 & 2
Drafting Fundamentals
Drafting Technology: CAD
Drafting Trades 1 & 2
Algebra 1 & 2
Geometry
Trigonometry
Business Management
Accounting
Economics & You
Intro to Computers
Computer Software Applications

Natural Resources

This pathway is designed to meet the needs of students considering careers that utilize skills in the Natural Resource field.

Possible Career Opportunities

<u>Entry Level</u>
Animal Caretaker/Groomer
Asst. Forestry Technician
Commercial Fisherman
Landscape/Plant Nursery Worker
Water Treatment Worker
Logger
Floral Assistant
Farm Hand
Sawmill Worker
Landfill/Recycling Center

<u>Technical Level</u>
Animal Health Technician
Firefighter
Fish Hatchery Manager
Horticulture Technician
Surveyor
Florist
Hazardous Materials Technician
Forester
Landscaper
Arborist

<u>Professional Level</u>
Agriculturist
Landscape Architect
Water Resources Manager
Animal Scientist
Environmental Scientist
Marine Biologist
Forester
Geologist
Plant Scientist
Microbiologist

Possible College Majors with Some Suggested High School Courses

<u>Environmental Science</u>
Environmental Science
Physics
Chemistry
Biology
Exploring Cultures
Business & Personal Law
Lab Science Technology
Microbiology/Biotechnology
Current Issues
Psychology/Sociology
Trigonometry



<u>Forestry</u>
Environmental Science
Woodworking
Natural Resources/Forestry
Business & Personal Law
Photography: B & W, Digital
Biology
Chemistry
Small Engines
Drafting Trades 1 & 2
Lab Science Technology

<u>Veterinary Science</u>
Biology
Chemistry
Physics
Physiology & Anatomy
Reading & Writing
Reading for Success
Health Science Tech 1 & 2
Animal Science 1 & 2
Microbiology
Lab Science Technology
Calculus

<u>Horticulture/Landscaping</u>
Drafting Fundamentals
Drafting Technology: CAD
Environmental Science
Horticulture/Landscaping 1 & 2
Horticulture/Manufacturing 1 & 2
Business Management 1
Economics for You
Photography: B & W, Digital
Biology
Chemistry
Small Engines
WebPage Design - Intro to HTML

<u>Marine Biology</u>
Physics
Chemistry
Biology
Environmental Science
Reading & Writing
Pre-Calculus
College Composition
Microbiology
Anatomy and Physiology

Success

To laugh often and much; to win the respect of intelligent people and affection of children; to earn the appreciation of honest critics and endure the betrayal of false friends; to appreciate beauty, to find the best in others; to leave the world a bit better, wether by a healthy child, a garden patch or a redeemed social condition; to know even one life has breathed easier because you have lived. This is to have succeeded.

Ralph Waldo Emerson

This represents only a small number of the career opportunities/college majors available in the Natural Resources pathway. Please discuss with your counselor your own ideas and how best to prepare for further education in those areas.

<u>Floriculture</u>
Art
Bookkeeping
Computer - Software Applications
Business Management 1
Environmental Science
Horticulture/Manufacturing 1 & 2
Biology
Chemistry
WebPage Design - Intro to HTML

Aerospace AFJROTC

Aerospace Science (AFJROTC) is a one to four year elective program combining a broad based aerospace science curriculum including an advanced flight simulator program, with the development of basic military discipline and leadership training. Instructional goals include: 1) understanding the historical role of aviation and space programs and their impact on all facets of society, 2) becoming familiar with various types of aircraft and space vehicles and the physical laws that govern their operation, 3) developing an appreciation for the precision and complexity of aircraft flight through the flight simulator program, 4) developing attitudes which contribute to a higher sense of personal integrity, self-reliance, self-discipline and commitment to the responsibilities of U.S. citizenship, 5) creating an environment which enhances the development of management and leadership skills.

An extensive program of extracurricular activities and a comprehensive program of individual cadet counseling are provided. There is no military commitment involved with any facet of this program. There are however, numerous benefits available to qualified cadets who wish to compete for college scholarships and appointments to service academies as well as for those who desire to enter military service upon completion of high school. Each year, a five day leadership encampment is conducted for all first year students. *Note: Student-cadets who successfully complete ROTC-Aviation History and ROTC-Flight Science have fulfilled the State of New Hampshire graduation requirement for a third science credit, the student-cadet receives one unit of science credit and one unit of elective (aerospace science) credit. Organization & Management and Leadership Lab will receive 1 unit of elective credit.*

Course	CRS #	Grade	Credit	Length
ROTC - AVIATION HISTORY	12101	9-12	1	S
ROTC - FLIGHT SCIENCE	12102	9-12	1	S
ROTC - LEADERSHIP LAB	12100	12	1	Y
ROTC - ORGANIZATION & MANAGEMENT	12122	10-12	1	Y
ROTC - SPACE EXPLORATION	12123	10-12	1	S

Art

Art classes offer students the opportunity to be creative using a variety of materials and techniques. Good craftsmanship, careful planning and original ideas are requirements for all art classes. Students are expected to do homework on a regular basis, complete projects on time and take care of tools and materials.

In the regular art program, Art 1 is a requirement for all other art courses. After passing Art 1 a student may select Art 2 or any other advanced elective course. Honors Art students are recommended and selected by art teachers on an individual basis. *Note: All art courses will fulfill the State of New Hampshire graduation requirement for 1/2 credit in fine arts.*

Course	CRS #	Grade	Credit	Length
ART 1	01105	9-12	1	S
ART 2	01106	9-12	1	S
ART 3	01110	10-12	1	S
ART 3 HONORS	01109	10-12	1	S
ART 4	01112	10-12	1	S
ART 4 HONORS	01111	10-12	1	S
ART ADVANCED PLACEMENT STUDIO ART 1	01101	11-12	1	S
ART ADVANCED PLACEMENT STUDIO ART 2	01126	11-12	1	S
CERAMICS	01113	10-12	1	S
COMMERCIAL ART	01119	10-12	1	S
PAINTING AND DRAWING	01115	10-12	1	S
SCULPTURE	01117	10-12	1	S

Business

The Business Education Department offers many courses which are of special significance to both the college preparatory and general student. The broad curriculum enables students to prepare for immediate employment in business or related college study. Departmental objectives include developing human relations skills, career planning and preparation, and leadership opportunities (FBLA). *NOTE: Business Management 1 and three additional courses constitute a vocational program.*

Course	CRS #	Grade	Credit	Length
ACCOUNTING 1	02125	10-12	1	S
ACCOUNTING 2 CP	02127	11-12	1	S
BANKING FUNDAMENTALS	07265	11-12	1	S
BOOKKEEPING 1	02122	9-12	1	S
BUSINESS AND PERSONAL LAW	02129	11-12	1	S
BUSINESS MANAGEMENT 1	02144	11-12	1	S
BUSINESS MGMT. 2 - HUMAN RELATIONS	02145	12	1	S
BUSINESS MGMT. 2 – SIMULATION	02146	12	1	S
COMPUTER - DATABASE MANAGEMENT	02140	10-12	1/2	Q
COMPUTER - DESKTOP PUBLISHING	02150	10-12	1/2	Q
COMPUTER - EXCEL	02139	10-12	1/2	Q
COMPUTER - SOFTWARE APPLICATIONS	02119	9-10	1/2	Q
COMPUTER - WORD PROCESSING I	02137	9-12	1/2	Q
COMPUTER - WORD PROCESSING II	02138	9-12	1/2	Q
MARKETING CP	02143	11-12	1	S
MONEY & BANKING	07266	10-11	1/2	Q
PERSONAL FINANCE	02136	10-12	1/2	Q
TRAVEL AND TOURISM	02135	12	1	S
WEBPAGE DESIGN 1 - INTRO TO HTML	02132	10-12	1/2	Q
WEBPAGE DESIGN 2 - ADVANCED HTML	02121	10-12	1/2	Q

English

Competency in English requires the development of reading, writing, speaking and listening skills. Courses offered seek to enhance students' abilities in these areas. The selection of materials attempts to serve students' interests and comprehension.

Because of the complexity of the world, the English Department maintains a solid but flexible program "to prepare each individual to meet the changing problems of living by training the individuals to think critically, to recognize opinion, to make judgments based upon humanitarian principles, to maintain a positive attitude, and to have a feeling of achievement."

All students are required to take four blocks of traditional English courses. Students who have a particular interest area may take additional elective courses. For example, CP Reading and Writing enhances writing and reading skills for college work.

- Students will not take English 2 until they pass English 1.
- Students will not take English 3 until they pass English 1 and 2.
- Students will not take English 4 until they pass English 1, 2, and 3.
- Students will not take two core English classes in a semester. Students may simultaneously take a core English and an elective.
- Students who take ESL, this course fulfills a core English requirement.

Course	CRS #	Grade	Credit	Length
CHILDREN'S LITERATURE	03179	10-12	1	S
ENGLISH 1 HONORS	03150	9	1	S
ENGLISH 1 CP	03151	9	1	S
ENGLISH 1 AT	03152	9	1	S
ENGLISH 2 HONORS	03155	10	1	S
ENGLISH 2 CP	03156	10	1	S
ENGLISH 2 AT	03157	10	1	S
ENGLISH 3 HONORS	03160	11	1	S
ENGLISH 3 CP	03161	11	1	S
ENGLISH 3 AT	03162	11	1	S
ENGLISH 4 /COLLEGE COMPOSITION CP	03170	12	1 & 4	S
ENGLISH 4 CP	03166	12	1	S
ENGLISH 4 AT	03167	12	1	S
ENGLISH LANG. & COMPOSITION AP	03165	12	2	Y
ESL-Q ENGLISH FOR SPEAKERS OF OTHER LANGUAGES	15146	9-12	1/2	Q
ESL-S ENGLISH FOR SPEAKERS OF OTHER LANGUAGES	15147	9-12	1	S
ESL-Y ENGLISH FOR SPEAKERS OF OTHER LANGUAGES	15151	9-12	1	Y
FILM: MIRROR AND MESSAGE	03183	10-12	1	S
NEWSWRITING AND PHOTOGRAPHY	03177	10-12	1	S
READING AND WRITING CP	03189	10-12	1	S
READING FOR SUCCESS CP	03181	9-12	1/2	Q
READING FOR SUCCESS AT	03182	9-12	1/2	Q
YEARBOOK	03176	10-12	1	S

Family and Consumer Sciences

The Department of Family and Consumer Sciences faces the responsibility of providing for and enhancing the intellectual, social and moral development of youth today. The department maintains a flexible program to help each student meet the changing problems of living in contemporary society. Each course assists students in evaluating their own resources and attitudes, obtaining new skills and setting priorities in their lives.

Course	CRS #	Grade	Credit	Length
CHILD DEVELOPMENT	06230	10-12	1	S
COOKING FOR SINGLES	06234	11-12	1	S
CREATIVE STITCHING 1	06228	9-12	1	S
CREATIVE STITCHING 2	06229	10-12	1	S
EXPLORING CHILDHOOD	06231	9-12	1/2	Q
EXPLORING FOODS	06226	10-11	1	S
INTERNATIONAL FOODS	06235	10-12	1	S
HEALTH	06225	9-12	1/2	Q
HOUSING AND HOME DECOR	06232	9-12	1	S
INTRODUCTION TO FOODS	06238	9-10	1/2	Q
RELATIONSHIPS	06236	11-12	1/2	Q

Interdepartmental Studies

The classroom of the future is one that integrates academic and technical knowledge and skills. It is this "blending" of curriculum standards that increase relevancy and reinforce academic competencies. Teachers from different departments work and plan cooperatively to enable students to be successful not only in school but also in their career choice. In order to facilitate this, teachers, students, and employers work together to encourage career exploration and planning while identifying specific career clusters.

Interdepartmental studies not only builds bridges between content areas, but also addresses changing requirements in post-secondary education and equips students for the escalating skills demanded in the workplace.

Course	CRS #	Grade	Credit	Length
CAREER EDUCATION	16802	9	1/2	Q
CAREER INTERNSHIP	see description	10-12	1/2 to 2	Q/S/Y
EXPLORING THE ART OF TEACHING	16589	10-12	1/2	Q
PRACTICING THE ART OF TEACHING	16590	11-12	1/2	Q
SENIOR EXITING SEMINAR 1 CP	16901	12	1/2	Q
SENIOR EXITING SEMINAR 2 CP	16902	12	1/2	Q
SENIOR EXITING SEMINAR 3	16903	12	1/2	Q
SENIOR EXITING SEMINAR 4	16904	12	1/2	Q

International Languages

The role of international language education in the United States is becoming vitally important in everyday living. Through the study of languages, students gain the rich experience of real communication with other human beings and an understanding of individual differences to the extent perhaps that no other discipline can offer. It prepares them with mature responses to the diversity of world cultures and the needs of our American pluralistic society. Learning language is learning people.

In an age where people are seeking identity and wishing to rediscover their roots, world communities are awakening to the necessity of learning about themselves and about the cultures and languages of their neighbors. To meet this challenge, we, as language teachers of Rochester, are trying to bring about a change in attitudes and emphasis of international language education to insure its benefits to all Americans.

Today, an increasing number of business training institutions are requiring their vocational trainees to add competence in the use of an international language to the skill being acquired to practice the vocation itself. That is why many colleges are bolstering their language programs and many college students are completing their degrees with affiliated international colleges. To arrive at these goals, at least a two year preparation in international language is considered essential to a basic college preparatory high school program. Students who plan to attend competitive colleges should study international language for three or four consecutive years.

Course	CRS #	Grade	Credit	Length
FRENCH 1 CP	05200	9-12	1	S
FRENCH 2 CP	05201	9-12	1	S
FRENCH 3 HONORS	05202	10-12	1	S
FRENCH 4 HONORS	05206	11-12	1	S
FRENCH 5 HONORS	05222	11-12	1	S
FRENCH AP	05226	12	2	Y
LATIN 1 CP	05204	9-12	1	S
LATIN 2 CP	05205	10-12	1	S
LATIN 3 HONORS	05213	11-12	1	S
LATIN 4 HONORS	05214	12	1	S
SPANISH 1 CP	05207	9-12	1	S
SPANISH 2 CP	05208	10-12	1	S
SPANISH 3 HONORS	05209	11-12	1	S
SPANISH 4 HONORS	05210	11-12	1	S
SPANISH 5 HONORS	05212	11-12	1	S

Mathematics

The goal of the Mathematics Department is to provide a complete, in-depth program of studies that best meets the needs of the individual student. Three programs accomplish this goal: 1) Academic Tech, 2) College Prep and 3) Honors. Note: Students planning to take Calculus in college are urged to elect Trigonometry and Advanced Math. Refer to the Math Flow Chart to see course sequences.

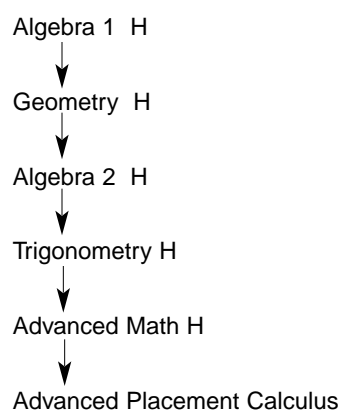
Academic Tech math courses utilize a Standards Based approach (Math Connections) and are intended for students who desire to attend a two-year technical college or a four-year college in a non-math related field. Eighth graders that have successfully completed MathScape Book 3 are advised to elect Math Connections 1A & Math Connections 1B as ninth graders. Students may elect Trigonometry CP after the successful completion of Math Connections 3A.

College Prep math courses are intended for students who plan to attend a college or university. Eighth graders that have successfully completed Algebra 1A CP are advised to elect Algebra 1B CP & Geometry CP as ninth graders. Successful completion of **Running Start Calculus CP** in their senior year results in a NHVTC credit transferable to several colleges throughout the country that include UNH.

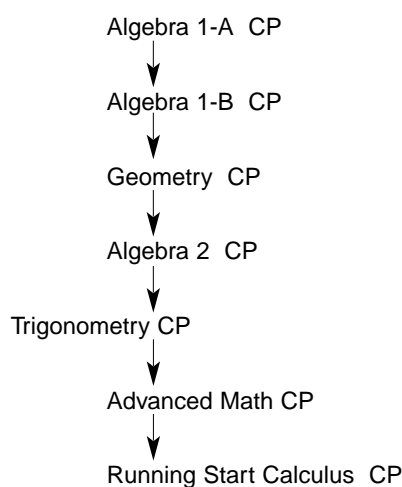
Honors math courses are intended for students who plan to attend a college or university and desire to take **Advanced Placement Calculus** as high school seniors. Eighth graders that have successfully completed Algebra 1A CP are advised to elect Algebra 1 H & Geometry H as ninth graders. Honors Trigonometry students are invited to join **Mu Alpha Theta** (national high school and junior college mathematics club).

Please note that the SAT will include Algebra 2 effective 2005.

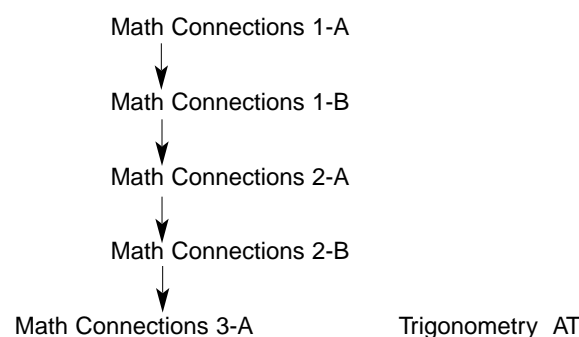
HONORS



College Prep



ACADEMIC TECH



NOTE: Students are encouraged to change levels based on teacher recommendation.

Course	CRS #	Grade	Credit	Length
ADVANCED MATH CP	08328	11-12	1	S
ADVANCED MATH H	08330	11-12	1	S
ALGEBRA 1-A CP	08312	9-10	1	S
ALGEBRA 1-B CP	08295	9-10	1	S
ALGEBRA 1 H	08284	9	1	S
ALGEBRA 2 AT	08310	11-12	1	S
ALGEBRA 2 CP	08314	10-11	1	S
ALGEBRA 2 H	08316	9-11	1	S
CALCULUS AP	08324	11-12	1	S
CALCULUS RUNNING START CP	08320	12	1	S
CONSUMER MATH AT	08305	10-12	1	S
FUNDAMENTAL MATH AT	08319	9-10	1	S
GEOMETRY AT	08309	10-12	1	S
GEOMETRY CP	08313	9-10	1	S
GEOMETRY H	08317	9-10	1	S
MATH CONNECTIONS 1-A	08307	9-12	1	S
MATH CONNECTIONS 1-B	08304	9-12	1	S
MATH CONNECTIONS 2-A	08321	9-12	1	S
MATH CONNECTIONS 2-B	08322	9-12	1	S
MATH CONNECTIONS 3-A	08329	11-12	1	S
TRIGONOMETRY AT	08311	12	1	S
TRIGONOMETRY CP	08326	11-12	1	S
TRIGONOMETRY H	08331	11-12	1	S

Music/Fine Arts

The Music/Fine Arts Department at Spaulding High School exists for the benefit of students who seek an outlet in Music/Fine Arts, be it through performance or academic studies. Music teachers serve as resources through which students gain musical knowledge, aesthetic experiences and personal growth. The following four goals are pursued by the Music Department:

1. To further the development of musical talent in those students who have inherent musical abilities.
2. To increase the cultural awareness of students and their audiences.
3. To provide students with the social advantages of learning teamwork in vocal and instrumental ensembles.
4. To provide a bridge between the public school and the community through frequent public performances.

These goals are accomplished through band and choral performances and through study of the rudiments of music through theory, history and appreciation courses.

Any Music/Fine Arts course will fulfill the State of New Hampshire graduation requirement for 1/2 credit in fine arts.

Course	CRS #	Grade	Credit	Length
ADVANCE AUDIO RECORDING	10366	9-12	1/2	Q
BAND	10350	9-12	1	Y
CHORUS	10351	9-12	1	Y
DANCE 1	10368	9-12	1/2	Q
DANCE 2	10371	9-12	1/2	Q
HAND BELLS 1	10365	9-12	1/2	Q
HAND BELLS 2	10369	9-12	1/2	Q
INTRODUCTION TO MUSIC TECHNOLOGY	10355	9-12	1/2	Q
INTRO TO TELEVISION PRODUCTION	10360	9-12	1/2	Q
MUSIC APPRECIATION	10353	9-12	1/2	Q
MUSIC OF THE DECADES	10364	9-12	1/2	Q
MUSIC INSTRUMENTAL LAB	10370	9-12	1/2	Q
THEATRE 1	10359	9-12	1/2	Q
THEATER 2	10372	10-12	1/2	Q

Physical Education

Physical Education plays an important role in Spaulding High School's efforts to improve the health and fitness of its students. It is a challenging academic and participation class that requires dedication, commitment and effort. Sophomores, juniors and seniors who have passed Freshmen P.E. may participate in a quarter long elective and, upon successful completion, receive 1/2 credit. Students selecting an elective block will be expected to take on new challenges and participate to the best of their ability. Students should make course selections that meet their needs, interests, and abilities.

Physical Education is a State of New Hampshire requirement for graduation. Students should enroll in Freshmen P.E. during their freshman/sophomore years.

Course	CRS #	Grade	Credit	Length
ADVANCED CARDIO-FITNESS	11364	10-12	1/2	Q
ADVANCED CONDITIONING	11360	10-12	1/2	Q
ADVENTURE CHALLENGE	11361	10-12	1/2	Q
FRESHMEN PHYSICAL EDUCATION	11356	9-12	1	S
INDIVIDUAL/DUAL GAMES	11362	10-12	1/2	Q
PERSONAL FITNESS	11366	10-12	1/2	Q
SPORTS MEDICINE	11363	10-12	1/2	Q
TEAM GAMES 2	11365	10-12	1/2	Q

Science

The science offerings at Spaulding High School provide students with an opportunity to think about and to study the principles, concepts, and great issues of science.

A sequence of courses meets the educational needs of the following groups of students: 1) Students not planning to continue their education beyond high school but who require an understanding of science as it relates to the world around them, and 2) Students welcoming more exposure to science techniques and content through problem solving in a laboratory situation. The program for this type of student satisfies the prerequisites for future training in such areas as nursing, engineering, and liberal arts.

A common trend in all science courses is the provision of knowledge and skills relating to the metric system and a working knowledge of the scientific process as it relates to the course and to everyday living. Students develop the competence in science necessary to meet the needs of modern life, to recognize the contributions of science to human welfare, and to become aware of career opportunities in the field of science. Freshmen, with the exception of those students who are enrolled in Aerospace 1 and 2, are required to select Integrated Freshman Science.

NOTE: Students may receive science credit by successfully completing any of the following courses. Natural Resources/Forestry 1, Robotics 1, Horticulture/Landscaping 1, Animal Science 1, Agricultural Technology and Applied Life Science, Health Science Technology 1, Horticulture/Manufacturing, Electricity & Introduction to Computers, Aerospace 3, Computer Technology1.

Course	CRS #	Grade	Credit	Length
ANATOMY AND PHYSIOLOGY CP	12383	11-12	1	S
BIOLOGY HONORS	12370	9-10	1	S
BIOLOGY CP	12379	10	1	S
BIOLOGY AT	12380	10	1	S
CHEMISTRY HONORS	12386	11	1	S
CHEMISTRY CP	12385	11	1	S
CHEMISTRY AT	12384	11	1	S
EARTH SCIENCE CP	12375	10-12	1	S
EARTH SCIENCE AT	12373	10-12	1	S
ENVIRONMENTAL SCIENCE AP	12902	12	1	S
ENVIRONMENTAL SCIENCE H	12371	11-12	1	S
ENVIRONMENTAL SCIENCE CP	12390	11-12	1	S
ENVIRONMENTAL SCIENCE AT	12391	11-12	1	S
INTEGRATED FRESHMAN SCIENCE AT	12901	9	1	S
INTEGRATED FRESHMAN SCIENCE CP	12903	9	1	S
INTEGRATED FRESHMAN SCIENCE H	12904	9	1	S
LAB SCIENCE TECHNOLOGY	12396	11-12	1	S
MICROBIOLOGY/BIOTECHNOLOGY CP	12368	11-12	1	S
PHYSICAL SCIENCE CP	12369	10-12	1	S
PHYSICAL SCIENCE AT	12376	10-12	1	S
PHYSICS HONORS	12389	12	1	S
PHYSICS CP-MECHANICS	12387	12	1	S
PHYSICS AT	12388	12	1	S

Social Studies

Social Studies is an academic discipline in which the demands of contemporary life and problems which students will experience in later life are studied. Implicit in the definition of social studies is the conception of citizenship. In this rapidly changing world, a proper balance must be achieved between social stability and social change. If students are to transmit our democratic cultural heritage, they must be prepared to act as adults with initiative, independence and with a willingness to accept responsibilities. They must understand political processes, individuals' relationships with government and relationships between individuals and groups in a democratic society. They must understand the unique ways in which American government has evolved and the ways in which it works and can be made to work.

Through inquiry, students identify problems, such as humans' relationship with the environment, which are of considerable concern to them and society. Today there is growing emphasis on ecology and a more geographical approach to social studies than there was in the past.

While the acquisition of knowledge is important in the social studies curriculum, the use of knowledge and how to apply it to new situations and problems is a critical goal for students in these courses.

In July, 2005, the NH legislature passed a bill changing the minimum social studies requirements for graduation effective with the class of 2009.

The graduation requirements for the classes of 2007 and 2008 remain the same. 2 credits of U.S. History, and 1/2 credit Economics (or Marketing CP)

The graduation requirements for the classes of 2009 and beyond are (in social studies): 1 credit in US History, 1/2 credit in economics, 1/2 credit in global studies, and 1/2 credit civics

Students in the classes of 2009 and beyond will satisfy the global studies requirement by passing Global Studies, Current Issues, World Geography (offered 2005-06 only), Modern World History, or Honors Contemporary Problems.

Students in the classes of 2009 and beyond will satisfy the civics requirement by passing Civics or the American Government/Practical Law course.

Course	CRS #	Grade	Credit	Length
AM. GOV/PRAC LAW & THE ADOLESCENT CP	13396	11-12	1	S
AM. GOV/PRAC LAW & THE ADOLESCENT AT	13394	11-12	1	S
CIVICS AT	13452	9-10	1/2	Q
CIVICS CP	13453	9-10	1/2	Q
CONTEMPORARY PROBLEMS HONORS	13420	12	1	S
CURRENT ISSUES	13395	12	1	S
ECONOMICS AP	13419	11-12	2	Y
ECONOMICS CP	13409	11-12	1	S
ECONOMICS AT	13410	10-12	1/2	Q
EXPLORING CULTURES	03178	9-12	1/2	Q
GLOBAL STUDIES AT	13451	9-10	1/2	Q
GLOBAL STUDIES CP	13449	9-10	1/2	Q
HISTORICAL FICTION CP	13427	11-12	1	S
MODERN WORLD HISTORY CP	13398	9-12	1	S
PSYCHOLOGY/SOCIOLOGY CP	13200	11-12	1	S
PSYCHOLOGY/SOCIOLOGY AT	13201	11-12	1	S
US HISTORY 1	13422	11-12	1	S
US HISTORY AP	13404	11	2	Y
US HISTORY 2 CP	13423	11	1	S
US HISTORY 2 AT	13424	11	1	S

Special Education

The Special Education Department at Spaulding High School provides instructional, resource and counseling services to those educationally disabled students who have unique educational needs which can be met only through specially designed school programs.

Eligible students may receive a variety of services. For example, some students may be scheduled for mainstream academic classes which are modified to accommodate students' specific strengths and weaknesses. Other students may be scheduled for self-contained classes taught within the Special Education area.

To take advantage of any program, students must follow the procedures established by the Guidance and Special Education Departments and by the District Placement Team. All procedures are governed by the New Hampshire Standards for the Education of Handicapped Students. An Individualized Educational Plan (IEP) is developed and followed for each special education student.

Enrollment in any courses offered by the Special Education Department is by IEP team recommendation. Eligibility for a Modified Diploma will be decided by the IEP team as part of developing an appropriate educational plan for the student. Skills level classes count towards requirements of a Modified Diploma or as elective credits towards a Standard Diploma. Course selections for incoming students who are working at the Skills level will be determined at the IEP team meeting in the spring. If unsure of status, select courses from regular education course descriptions.

Course	CRS #	Grade	Credit	Length
EMPLOYMENT EXPERIENCE	15473	9-12	2	Y
NUTRITION, HEALTH AND SAFETY SKILLS	15470	9-10	1	Y
WRITING SKILLS 1/READING SKILLS	15301	9	1	Y

Technology Education

All technology courses are exploratory programs in which students investigate the nature of technology as it applies to technical-industrial methods, daily lives, consumer choices, the environment, hobbies and the development of attitudes and skills necessary for today's increasingly technological world. It is a curriculum area in which students use problem solving techniques to plan for, design, create and experiment with technology. By working with tools, materials and power equipment, students relate academic education topics to occupational and leisure activities; a meaningful and practical experience. The technology program involves hands-on applied education in the classroom. All students should consider a technical component to their education.

Course	CRS #	Grade	Credit	Length
DRAFTING AND DESIGN	07261	11-12	1/2	Q
DRAFTING FUNDAMENTALS	07251	9-12	1/2	Q
DRAFTING TECHNOLOGY: CAD	07252	10-12	1	S
ELECTRICITY	07248	9-12	1/2	Q
GRAPHIC DESIGN	07246	9-12	1/2	Q
GRAPHICS COMMUNICATIONS TECHNOLOGY	07253	9-12	1	S
INTRODUCTION TO COMPUTERS	07247	9-12	1/2	Q
MACHINE TOOL TECHNOLOGY 1	07254	9-12	1/2	Q
MACHINE TOOL TECHNOLOGY 2	07255	10-12	1	S
PHOTOGRAPHY B & W AND COLOR DIGITAL	07263	10-12	1/2	Q
SMALL ENGINE POWER TECHNOLOGY 1	07256	9-12	1/2	Q
WOODWORKING TECHNOLOGY 1	07257	9-12	1/2	Q
WOODWORKING TECHNOLOGY 2	07258	10-12	1	S
WOODWORKING TECHNOLOGY 3	07259	11-12	1	S

Women can do these Jobs, too!

There are many jobs that we most often see men doing; for example, carpenter, auto technician, welder, landscaper, plumber, electrician, computer repair technician. These jobs usually offer higher wages, good benefits and career ladders.



Technology Programs

One of the national themes for technology education to which Spaulding High School subscribes is: "SKILLS FOR A LIFETIME". Study at the Technical Center provides students with opportunities to acquire technical training necessary to compete in college and the workplace. Workers who are literate, have mathematical skills, can reason in such a way to put knowledge to work, and who have personal qualities such as dedication and trustworthiness, have prepared themselves for a happy life. Students who take courses at the Technical Center are preparing for a productive life of gainful employment. *Note: Technology students are urged to take basic math each year of their study. Students with greater math aptitude should elect to take CP math.*

Remember Technical Training gives you:

- an opportunity to explore a variety of fields by taking classes in the 9th and 10th grades (*refer to Technology Courses on page 17*)
- a chance to earn while learning through the co-op program
- a way to jump-start a career by gaining technical skills
- an avenue for continuing at the college level with advanced credit
- an opportunity for increasing employability by taking classes in the 11th and 12th grades

Students and parents are invited to stop by and talk to the vocational director about their immediate objectives, their studies and their future.

OUT OF DISTRICT TECHNOLOGY COURSES: APPLICATION REQUIRED

The Application Process is for Students Who Wish to Participate in the technology courses that are **Offered Out of District**:

1. **Obtain**-An official Tri City application from the Technology office or guidance office. Note: This must be done each school year for every student desiring to take a technology course at Dover or Somersworth.
2. **Indicate**-Your 1st and 2nd choices of study because some programs fill up quickly. Technology programs of study are available on a first come, first served basis, so you should apply quickly.
3. **Complete**-The application, obtain parent/guardian signature, and return to the technology office as soon as possible.
4. **Receive Acceptance**-You will be notified by the technology office of your acceptance.
5. **Wait**-You will be notified by the technology office if you are placed on the waiting list. Your application is numbered based upon how quickly you returned it to the technology office and the number of spaces assigned by the out of district school. As openings occur, waiting list students are informed of openings.

Course	Location	CRS #	Grade	Credit	Length
ANIMAL SCIENCE 1	Dov.	14502	11	2	Y
ANIMAL SCIENCE 2	Dov.	14553	12	2	Y
AUTO COLLISION 1	Dov.	14503	11	2	Y
AUTO COLLISION 2	Dov.	14504	12	2	Y
AUTOMOTIVE TRADES 1	Rochester	14505	11	2	Y
AUTOMOTIVE TRADES 2	Rochester	14506	12	2	Y
BUILDING TRADES 1	Som.	14551	11	2	Y
BUILDING TRADES 2	Som.	14552	12	2	Y
COMPUTER TECHNOLOGY 1	Rochester	14517	11	2	Y
COMPUTER TECHNOLOGY 2	Rochester	14518	12	2	Y
COOPERATIVE EDUCATION SEMESTER 1	Som., Dov.	14578	11-12	1/2	S
COOPERATIVE EDUCATION SEMESTER 2	Som., Dov.	14579	11-12	1/2	S
COSMETOLOGY 1	Dov.	14510	10	3	Y
COSMETOLOGY 2	Dov.	14511	11	3	Y
COSMETOLOGY 3	Dov.	14512	12	3	Y
CULINARY ARTS 1	Som.	14513	11	2	Y
CULINARY ARTS 2	Som.	14533	12	2	Y
DRAFTING TRADES 1	Rochester	14514	11	2	Y
DRAFTING TRADES 2	Rochester	14515	12	2	Y
EARLY CHILDHOOD EDUCATION 1	Rochester	14508	11	2	Y
EARLY CHILDHOOD EDUCATION 2	Rochester	14509	12	2	Y
ELECTRICAL TECHNOLOGY 1	Dov.	14540	11	2	Y
ELECTRICAL TECHNOLOGY 2	Dov.	14541	12	2	Y
FORESTRY AND ENVIRONMENTAL SCIENCE 1	Dov.	14563	11	2	Y
FORESTRY AND ENVIRONMENTAL SCIENCE 2	Dov.	14564	12	2	Y
GRAPHIC TRADES/PRINTING 1	Rochester	14521	11	2	Y
GRAPHIC TRADES/PRINTING 2	Rochester	14522	12	2	Y
HEALTH SCIENCE TECHNOLOGY 1	Rochester	14523	11	2	Y
HEALTH SCIENCE TECHNOLOGY 2	Rochester	14524	12	2	Y
HORTICULTURE/LANDSCAPING 1	Som.	14545	11	2	Y
HORTICULTURE/LANDSCAPING 2	Som.	14546	12	2	Y
HORTICULTURE/MANUFACTURING	Rochester	14320	11	2	Y
HORTICULTURE/MANUFACTURING 2	Rochester	14321	12	2	Y
IND/COM AGRICULTURAL MECHANICS 1	Som.	14538	11	2	Y
IND/COM AGRICULTURAL MECHANICS 2	Som.	14539	12	2	Y
MACHINE TOOL TRADES 1	Rochester	14529	11	2	Y
MACHINE TOOL TRADES 2	Rochester	14530	12	2	Y
MARKETING EDUCATION 1	Som.	14531	11	2	Y
MARKETING EDUCATION 2	Som.	14532	12	2	Y
RESTAURANT CAREERS 1	Rochester	14300	11	2	Y
RESTAURANT CAREERS 2	Rochester	14301	12	2	Y
ROBOTICS 1	Som.	14550	11	2	Y
ROBOTICS 2	Som.	14555	12	2	Y

Athletics

- Baseball (boys)
- Basketball (boys/girls)
- Cheerleading (coed)
- Cross Country (boys/girls)
- Football (boys)
- Golf (coed)
- Gymnastics (girls)
- Hockey (boys)
- Indoor Track (boys/girls)
- Lacrosse (boys/girls)
- Ski Team (boys/girls)
- Soccer (boys/girls)
- Softball (girls)
- Swim Team (boys/girls)
- Tennis (boys/girls)
- Track (boys/girls)
- Volleyball (girls)
- Wrestling (coed)



Honor Societies

- Kitty Hawk Society (AFJROTC)
- Mu Alpha Theta
(Math Honor Society)
- National Honor Society
SEARCH
- Sociedad Honoraria Hispanica
(Spanish Honor Society)





Clubs

FBLA
 FCCLA
 FEET
 FFA
 French Culture Club
 HOSA
 Interact Club
 Key Club
 SADD
 SAGA
 SEA
 Student Council
 VICA
 Wandering Pen
 Granite State Challenge



Activities

AFJROTC Drill Team
 Art Club
 Drama Club
 Newspaper
 Outing Club
 Special Olympics
 Yearbook

Alphabetical Listing of Course Descriptions

ACCOUNTING 1

CRS 02125 Grades 10-12 CR 1 S 1 block

Accounting 1 provides an understanding of the accounting cycle from recording business transactions through the preparation of financial statements. Simulated financial activities are included. Students interested in pursuing careers in business administration or management should enroll in accounting.

ACCOUNTING 2 CP

CRS 02127 Grades 11-12 CR 1 S 1 block
PREREQUISITE: Accounting 1 and teacher recommendation.

The second year of accounting expands upon basic accounting principles and covers departmentalized and management accounting. Students will utilize the computer to record journal transactions, prepare financial statements, and complete simulations concerning the accounting cycle. Greater emphasis will be placed on the analysis and interpretation of financial reporting. **Note: This is a Running Start Course and students can receive college credit see page 38.**



ADVANCED AUDIO RECORDING

CRS 10366 Grade 9-12 CR 1/2 Q 1 block
PREREQUISITE: Intro to Music Technology

This course explores audio recording, mixing, and engineering. Topics included in this course: Microphones, stereo microphones techniques, sound cables, system configuration, digital audio, signal processing, hard disk recording, and recording techniques. Students will be asked to work in live audio concert recording scenarios and work with Metrocast Channel 12 to produce various audio and video projects. This class will include many hands-on recording scenarios and will help to prepare all students for work in the field of sound engineering.

ADVANCED CARDIO-FITNESS

CRS 11364 Grade 10-12 CR 1/2 Q 1 block
PREREQUISITE: 80 or better in Freshman PE

This advanced level course will include both an aerobic component (i.e. step aerobics 3 days/week) and a weight training component (2 days/week). Students will learn fitness fundamentals that will enable them to design individualized aerobic and weight training programs. Students in this course will exercise strenuously to improve their present fitness level.

ADVANCED CONDITIONING

CRS 11360 Grade 10-12 CR 1/2 Q 1 block
PREREQUISITE: 80 or better in Freshman PE

This course includes a weight training component (3 times/week) in combination with an aerobic/anaerobic activity (2 times/week). Students will pick up where Freshmen P.E. left off and delve into more in-depth theories involved in designing an individualized program. Students in this course will exercise strenuously to improve their present fitness level.

ADVANCED MATH CP

CRS 08328 Grades 11-12 CR 1 S 1 block
PREREQUISITE: C average in Trigonometry CP

This course stresses a functions approach and the use of graphing calculators. Topics include the graphs and transformations of polynomial functions theory of equations, analysis of elementary functions, exponential functions, logarithmic functions, conic sections, probability and combinatorics, matrices, vectors, and sequence and series. This course completes the foundation for the study of Calculus. **Note: Upon completion of this course, students are prepared to take the Math SAT II level II-C exam.**

ADVANCED MATH H

CRS 08330 Grade 11-12 CR 1 S 1 block
PREREQUISITE: C average in Trigonometry Honors or recommendation of the Trigonometry CP teacher.

This course stresses a functions approach and the use of graphing calculators. Topics include the graphs and transformations of polynomial functions, analysis of elementary functions, exponential functions, logarithmic functions, conic sections, probability, combinatorics, sequence and series, matrices and vectors. This course provides a foundation for the study of Calculus. **Note: Upon completion of this course, students are prepared to take the Math SAT II level II-C exam.**

ADVENTURE CHALLENGE

CRS 11361 Grade 10-12 CR 1/2 Q 1 block
PREREQUISITE: 80 or better in Freshman PE

Adventure Challenge is designed for students to push themselves beyond preconceived limits and develop a new self-confidence. Initiatives/problem solving activities, leadership/facilitator development, and advanced climbing techniques will be covered. Students will be expected to do presentations and group projects as part of their leadership development. Students will also keep a journal of their daily class experiences and prepare several written assignments to fulfill course requirements.

ALGEBRA 1-A CP

CRS 08312 Grade 9 CR 1 S 1 block
PREREQUISITE: Recommendation of 8th grade math teacher.

This course is the first half of Algebra 1. Applications, equations and graphs are emphasized. Topics include: connections to algebra, properties of real numbers, solving linear equations, graphing linear equations and functions, writing linear equations, and solving and graphing linear inequalities. **Note: This course is currently offered at the Rochester Middle School.**

ALGEBRA 1-B CP

CRS 08295 Grades 9-10 CR 1 S 1 block
PREREQUISITE: Recommendation of 8th grade math teacher or passing grade in Algebra 1-A CP.

This course is the second half of Algebra 1 CP. Applications, equations and graphs are emphasized. Topics include: systems of linear equations and inequalities, exponents and exponential functions, quadratic equa-

tions and functions, polynomials and factoring, radicals and connections to geometry. **Note: Students are recommended for Algebra 1 B CP by their eighth grade math teacher after successful completion of Algebra 1A CP. Students receiving a D in Algebra 1-B CP are advised to elect Geometry AT. A grade of C in Algebra 1-B CP is the prerequisite for Chemistry CP.**

ALGEBRA 1 H

CRS 08284 Grade 9 CR 1 S 1 block
PREREQUISITE: Recommendation of 8th grade math teacher.

This course is an integrated approach to Algebra 1. Structure and method are emphasized. Topics include: equations and inequalities, factoring, linear systems of equations, irrational numbers, quadratic equations, the Cartesian plane and an introduction to probability and statistics. **Note: Students are recommended for Algebra 1 H and Geometry H by their eighth grade math teacher after successful completion of Algebra 1A CP. Both courses should be elected in the freshman year.**

ALGEBRA 2 AT

CRS 08310 Grades 11-12 CR 1 S 1 block
PREREQUISITE: C in Geometry AT and either a C in Algebra I-B AT or D in Algebra 1-B CP.

This course is an informal approach to Algebra 2 with an emphasis on problem solving. Topics include: solutions of first and second degree equations and inequalities, factoring, polynomial operations, complex number operations, graphical and algebraic solutions to systems of equations, conic sections, radicals and exponents, determinants and Cramer's Rule. **Note: A C in Algebra 2 CP is the prerequisite for Physics CP, a C in Algebra 2 AT is the prerequisite for Physics AT.**

ALGEBRA 2 CP

CRS 08314 Grades 10-11 CR 1 S 1 block
PREREQUISITE: C average in both Geometry CP and Algebra 1-B CP.

This course emphasizes the use of graphing calculators. Topics include properties and structure of the complex number system, solution of first and second degree equations and inequalities, factoring, polynomial operations, systems of equations and inequalities, rational and irrational numbers, quadratic theory, functions, matrices, polynomial, exponential and logarithmic equations. **Note: A "C" in Algebra 2 CP is the prerequisite for Physics CP.**

ALGEBRA 2 H

CRS 08316 Grades: 10-11 CR 1 S 1 block
PREREQUISITE: C average in Algebra 1 Honors and Geometry Honors

Topics include: properties and structure of the complex number system, solution of first and second degree equations and inequalities, factoring, polynomial operations, systems of equations and inequalities, rational and irrational numbers, quadratic theory, functions, variation, logarithms, sequences and series, binomial expansion, and theory of equations. **Note: Algebra 2 Honors is the prerequisite for Pre-Calculus Honors.**

AM. GOV/PAC LAW & THE ADOLESCENT AT

CRS 13394 Grade 11-12 CR 1 S 1 block

As young citizens soon to take an active part in their communities, students must have an understanding of the basic principles of our government and our political processes and of the responsibilities and opportunities of citizens. This course includes a study of the structure and functions of each level of government and the functions and responsibilities of our state and municipal officials.

The second half of this course is designed to provide juniors and seniors with practical information and problem solving opportunities that help develop the knowledge and skills necessary for survival in our law-saturated society. The curriculum includes case studies, mock trials, role-plays, small group exercises, guest speakers, and a field trip to the Strafford County Superior Court House and the House of Corrections. *Note: This class will fulfill the Civics requirement for graduation for the class of 2009 and beyond.*

AM. GOV/PAC LAW & THE ADOLESCENT CP
CRS 13396 Grade 11-12 CR 1 S 1 block
PREREQUISITE: C or better in US History 1

The purpose of this course is to provide students with the knowledge and skills necessary for good citizenship and to help them develop important reasoning and participation skills. By pursuing these competencies (basic knowledge, reasoning skills, and participation training) this course endeavors to promote more effective citizenship. Students learn about functions of state and local government and the roles and responsibilities of various government officials. The second half of this course is designed to provide juniors and seniors with practical information and problem solving opportunities that help develop the knowledge and skills necessary for survival in our law-saturated society. The curriculum includes case studies, mock trials, role-plays, small group exercises, guest speakers, and a field trip to the Strafford County Superior Court House and House of Corrections. *Note: This class will fulfill the Civics requirement for graduation for the class of 2009 and beyond.*

ANATOMY AND PHYSIOLOGY CP
CRS 12383 Grades 11-12 CR 1 S 1 block
PREREQUISITE: B in Biology CP and instructor recommendation.

Using Biology CP as a foundation, this course builds upon concepts of biochemistry and provides an in-depth exploration of all systems of the human body. This course provides an in depth study of all systems of the human body, and is designed for the student who may be interested in pursuing a career in a medically related field. Laboratory dissections and field trips to local medical facilities are an integral part of the course.

ANIMAL SCIENCE 1
CRS 14502 Grade 11 CR 2 Y block/year
Location: Dover
PREREQUISITE: Application required.

This program is designed to provide students with the knowledge and skills needed for employment in the area of animal sales, veterinary assistance, grooming and animal care. During the double period block, students learn about the health, nutrition, breeding and handling of large and small animals.

ANIMAL SCIENCE 2
CRS 14553 Grade 12 CR 2 Y block/year
Location: Dover
PREREQUISITE: Application required, and completion of Animal Science 1.

This program is designed to provide students with the knowledge and skills needed for employment in the area of animal sales, veterinary assistance, grooming and animal care. During the double period block, students learn about the health, nutrition, breeding and handling of large and small animals.

ART 1
CRS 01105 Grades 9-12 CR 1 S 1 block

This is a beginning course which includes study of the basic elements of Art: line, color, shape/form, pattern/texture, space and value. Students develop drawing and

designing skills and they experience various techniques in the areas of drawing, painting, sculpture, printmaking and ceramics. Students are expected to develop original ideas and to do homework regularly. *Note: This course will fulfill the State of New Hampshire graduation requirement for 1/2 credit in fine arts.*

ART 2
CRS 01106 Grades 10-12 CR 1 S 1 block
PREREQUISITE: Art 1

This is a continuation and expansion of Art 1 skills, media and techniques. The following areas are included: drawing and painting, printmaking, three dimensional design and ceramics. Students are expected to develop original ideas and to do homework regularly.

ART 3
CRS 01110 Grades 10-12 CR 1 S 1 block
PREREQUISITE: Art 2

This is an in-depth experience in the four major art areas: drawing and painting, printmaking, three-dimensional design and ceramics. Students are expected to develop original ideas and to do homework regularly.

ART 3 HONORS
CRS 01109 Grades 10-12 CR 1 S 1 block
PREREQUISITE: Art 1 and Art 2, teacher recommendation.

This course is for students with exceptional ability and a creative attitude. Students must be recommended by an art teacher to take this course. The direction of the course is partially determined by the interests of the group and it may include experiences in drawing, painting, sculpture, photography, printmaking, and ceramics. Students are expected to prepare and maintain a portfolio which may be used to meet entrance requirements for possible admission to college Art Departments. Students are expected to develop original ideas and to do homework regularly.

ART 4
CRS 01112 Grades 10-12 CR 1 S 1 block
PREREQUISITE: Art 3

This is a continuing, in-depth art experience which focuses on the use and development of art skills learned in Art 1, 2 and 3. Projects are selected from the major art areas: drawing and painting, sculpture, printmaking and ceramics. Students are expected to develop original ideas and to do homework regularly.

ART 4 HONORS



CRS 01111 Grades 10-12 CR 1 S 1 block
PREREQUISITE: Art 3 Honors, teacher recommendation. This course is for students with exceptional ability and a creative attitude. Students must be recommended by an art teacher to take this course. The direction of the course is partially determined by the interests of the group and it may include experiences in drawing, painting, sculpture, photography, printmaking, and ceramics. Students are expected to prepare and maintain a portfolio which can be

used to meet entrance requirements for possible admission to college Art Departments. Students are expected to develop original ideas and to do homework regularly.

ART ADVANCED PLACEMENT STUDIO ART 1
CRS 01101 Grades 11-12 CR 1 S 1 block
PREREQUISITE: Art teacher recommendation.

Advanced Placement (AP) Art is a nationally standardized course. Requirements for completing the course and receiving credit varies each year based upon the requirements established by the College Board for Advanced Placement. In years past, students have been required to develop a portfolio with three sections. The quality section requires 4-6 works; the concentration section requires 10-16 works, and the breath section requires 10-20 works. Photographic slides of the work will be taken by the students and developed with their own resources. It is required by the end of first semester for the student to have completed 2/3 of all pieces of art required for their Advanced Placement portfolio exam as well as paying in full, all fees related to the AP Studio Art exam. The AP Art portfolio is due in May (a fee is required to take the exam). Full completion and submission of the portfolio to the College Board is required to earn and maintain any credits from this course. This class may be taken three times, once for drawing, once for 2-D design, and once for 3-D design.

ART ADVANCED PLACEMENT STUDIO ART 2
CRS 01126 Grades 11-12 CR 1 S 1 block
PREREQUISITE: Art teacher recommendation.

Advanced Placement (AP) Art is a nationally standardized course. Requirements for completing the course and receiving credit varies each year based upon the requirements established by the College Board for Advanced Placement. In years past, students have been required to develop a portfolio with three sections. The quality section requires 4-6 works; the concentration section requires 10-16 works, and the breath section requires 10-20 works. Photographic slides of the work will be taken by the students and developed with their own resources. It is required by the end of first semester for the student to have completed 2/3 of all pieces of art required for their Advanced Placement portfolio exam as well as paying in full, all fees related to the AP Studio Art exam. The AP Art portfolio is due in May (a fee is required to take the exam). Full completion and submission of the portfolio to the College Board is required to earn and maintain any credits from this course. This class may be taken three times, once for drawing, once for 2-D design, and once for 3-D design.

AUTO COLLISION 1
CRS 14503 Grade 11 CR 2 Y block/year
Location: Dover
PREREQUISITE: Application required.

This course is designed to familiarize the student with basic entry-level skills. Topics include body construction, welding, panel alignment, metal finishing and an introduction to estimating. Special problems found in restoration work will be explored. Work ethics and safety will be emphasized.

AUTO COLLISION 2
CRS 14504 Grade 12 CR 2 Y block/year
Location: Dover
PREREQUISITE: Application required, and successful completion of Auto Collision 1.

This course is designed for the student who has a definite career interest in automotive body repair. Building on the skills and knowledge acquired in Automotive Body Repair 1, the student will develop skills in collision damage repair. Utilizing damaged vehicles, students will be exposed to the techniques of repairing bolted panels, fiberglass and urethane components, estimates and frame alignment. The latest painting and finishing techniques will be presented.

AUTOMOTIVE TRADES 1
CRS 14505 Grade 11 CR 2 Y 1 23

block

Auto Trades 1 is the first year of a two year program. It is generally taken during a student's junior year. Although not all students entering the program plan to become an auto technician, this is a vocational program and the purpose of this course is to train future auto technicians in the fundamentals of automotive theory, maintenance, diagnosis and repair. During this course the student will study basic automotive topics such as tools, fastener, engine design and theory, etc.. Students will also have the opportunity to reinforce theory with hands-on experiences.

AUTOMOTIVE TRADES 2

CRS 14506 Grade 12 CR 2 Y 1 block
PREREQUISITE: Passing grade in Auto Trades 1.

Auto Trades 2 is the second year of a two year program. It is usually taken during a student's senior year. During this second year students build upon the skills and knowledge they gathered in Auto Trades 1 by studying more involved topics such as computer diagnostics, braking systems, wheel alignment, etc.. This is accomplished through lecture, demonstration, and hands-on experiences.

BAND

CRS 10350 Grades 9-12 CR 1 Y mini block
PREREQUISITE: Permission of instructor.

The Spaulding High School Band performs at school football games, athletic events, various holiday parades, and other local and out of state functions. The concert band, marching band, jazz band, and other small pep bands perform an average of 40 performances each year. Past performances have taken place at the Statue of Liberty, at Disney World, Disney Land, at Shea Stadium for the New York Mets, at the Winston Cup Races, and most recently for Presidents Bill Clinton and George Bush as well as Vice President Al Gore. For students to receive full credit for band, they must participate in all extracurricular and academic activities. *Note: This Music course will fulfill the State of New Hampshire graduation requirement for 1/2 credit in fine arts.*

BANKING FUNDAMENTALS

CRS 07265 Grade 12 CR 1 S 1 block
PREREQUISITE: To enroll in this course, students must earn a minimum grade of C in these courses: Bookkeeping/Accounting, Economics, Personal Finance, Money & Banking, Computers and/or Business Management.

Students enrolled in this one-semester course will learn and practice all aspects of running a branch office of the Holy Rosary Regional Credit Union (HRCU). The class will be scheduled at HRCU's School Office located within the R.W. Creteau Regional Technology Center at Spaulding High School. The instructional team will be professional bankers with expertise in human resource management, marketing and sales, retail lending, financial management, facility planning, bank operations and auditing. Guest lectures will be delivered by President, Members of the Board of Directors, Credit Committee and Supervisory Committee. The HRCU's School Office will be open to the public and will assist customers in person and with electronic transactions including on-line banking.

BIOLOGY AT

CRS 12380 Grade 10 CR 1 S 1 block

This course presents the fundamental concepts of the living world and the relationship of living things to each other. Students will use their understanding of biological concepts to address important issues of present day society. Scientific inquiry and investigation will be developed through laboratory work.

BIOLOGY CP

CRS 12379 Grade 10 Cr 1 S 1 block

PREREQUISITE: C or better in last science course.

This course presents the fundamentals of biology to students bound for college, nursing, and technical schools. Emphasis is placed on work in the laboratory because inquiry and investigation are critical attributes of scientists. Use of living materials, individual study and field work are highlighted in this course which also creates for students an awareness of career options within the life sciences. Major issues of health education appropriate for this age group are incorporated into this course.

BIOLOGY HONORS

CRS 12370 Grades 9-10 CR 1 S 1 block
PREREQUISITE: B+ in CP 9th Grade science and teacher's recommendation.

This course is designed for students who desire a rigorous study of biology and who may be interested in pursuing a college major in the biological sciences. Topics covered include molecular biology, genetics, physiology, ecology and behavior. A research paper is required.

BOOKKEEPING 1

CRS 02122 Grades 9-12 CR 1 S 1 block

This course is designed to give students a basic idea of the practice and procedures involved in financial record keeping. Topics covered include: accounts receivable, accounts payable and special journals. A four-week simulated bookkeeping activity will be an important component of this class.

BUILDING TRADES 1

CRS 14551 Grade 11 CR 2 Y block/year
Location: Somersworth, Dover
PREREQUISITE: Application required.

Are you ready to go into the construction trades? Do you like the outdoors? Are you interested in carpentry, cabinet making, electricity, plumbing, heating and masonry? Would you like to design your own home? Can you make general repairs around your house? This course is designed to acquaint students with the fundamentals of wood frame construction through lab and classroom instruction. Students develop proficiency in the use of hand tools, power tools and machinery and equipment used in the carpentry trade. Units taught include machine operation, safety, blueprint reading, construction and estimating. Second year students use the lab as the classroom. Students construct a single family home or similar structure. Areas of instruction include site development and layout, rough framing and interior and exterior work.

BUILDING TRADES 2

CRS 14552 Grade 12 CR 2 Y block/year
Location: Somersworth, Dover
PREREQUISITE: Application required, and successful completion of Building Trades 1.

Second year students use the lab as the classroom. Students construct a single family home or similar structure. Areas of instruction include site development and layout, rough framing and interior and exterior work.

BUSINESS AND PERSONAL LAW

CRS 02129 Grades: 11-12 CR 1 S 1 block

Students will be provided with a basic understanding of our court system, civil and criminal procedures and business/consumer law. The history and development of contract law and how it enforces promises that individuals make will also be studied. Students will discuss law-related current events researched in newspapers, magazines, and/or the Internet. Cooperative learning activities are used to examine our individual rights under the Constitution of the United States. Real cases are

reviewed and analyzed. A mock trial simulation prepared by the NH Bar Association will be planned and presented by the class.

BUSINESS MANAGEMENT 1

CRS 02144 Grade 11-12 CR 1 S 1 block

This course is designed to prepare students for the business world. During the first year, students will enhance their computer skills through practical business applications. They will alternate through various positions while developing telephone skills, calculator activities, filing skills, and communication skills. They will also develop and improve management techniques by conducting staff meetings, learning about various management styles and further develop teamwork skills and organizational skills. Career planning, creating an effective resume, and interviewing skills will be a final product of this course. *Note: This course fulfills the State of New Hampshire requirement for computer education.*

BUSINESS MGMT. 2 - HUMAN RELATIONS CP

CRS 02145 Grade 12 CR 1 S 1 block
*PREREQUISITE: Business Mgmt. 1
Offered - Semester 1 only*

Students will continue to develop teamwork skills and management skills as they rotate through various activities in an office setting. They will compose business letters, transcribe business documents, research companies on line, and create a company newsletter. In addition, they will use workplace simulations and develop human relations presentations that are designed to build a solid foundation in the business world. Extensive use of the computer using an Intranet system will provide the technical skills necessary to compete in an interactive workplace. Career development and interviewing skills will be addressed in greater depth. *Note: This is a Running Start Course and students can receive college credit see page 38.*

BUSINESS MGMT. 2 – SIMULATION

CRS 02146 Grade 12 CR 1 S 1 block
PREREQUISITE: Business Mgmt. or Business Teacher recommendation. Offered - Semester 2 only

Students will organize and operate their own independent insurance agency through the InVest Program and become acquainted with new positions found in a typical insurance company. The positions include Underwriter, Policy Generator, Accountant, Office Manager, Claims Adjuster, and Banker. Use of a computer program such as QuickBooks Pro will allow students the opportunity to actually set up company books, track expenses, and analyze their business' net worth. In addition, student will enhance their computer and desktop publishing skills in order to design their own letterheads, business cards, brochures, and business plan. Leadership skills and human relations skills will be further developed through cooperative learning activities.

CALCULUS AP

CRS 08324 Grades 12 CR 1 S 1 block



PREREQUISITE: C average in Pre-Calculus Honors.

Advanced Placement Calculus is a nationally standardized course. Spaulding High School strictly adheres to the College Board AP Calculus AB syllabus. The AP Calculus AB exam is taken in May (a fee is required for the exam). Topics include: analysis of graphs, limits of functions, asymptotic and unbounded behavior, continuity as a property of functions, concept of the derivative, derivative at a point, derivative as a function, second derivatives, applications of derivatives, computation of derivatives, interpretations and properties of definite integrals, applications of integrals, fundamental theorem of calculus, techniques of antidifferentiation, applications of antidifferentiation, and numerical approximations to definite integrals. The Calculus is approached from numerical, graphical and symbolic points of view.

CALCULUS RUNNING START CP

CRS 08320 Grade 12 CR 1 S 1 block

PREREQUISITE: C average in Advanced Math CP.

This course is an introduction to calculus. Topics covered include the concept of a limit, computing limits, the derivative, applications of the derivative, the integral, and applications of the integral. This course covers the topics included in Calculus 425 offered at the University of New Hampshire. **Note: This is a Running Start Course and students can receive college credit see page 38.**

CAREER EDUCATION

CRS 16802 Grade 9 CR 1/2 Q 1 block

Career Education is intended to ease the transition from middle school to high school. This course is also designed to familiarize freshman with Spaulding High School and the wide variety of courses and co-curricular activities offered. Students will be provided with an introduction to the skills necessary for a successful career at the High School. Character development will be addressed as well as personal values, traits, strengths and weaknesses, and interests while developing critical thinking skills. Students will participate in career exploration and interview skills will be practiced. Additionally, students will learn research skills and write a research paper which will be presented in class. Student work will be compiled in a portfolio throughout the quarter. Ultimately, students will receive instruction that will enable them to make appropriate choices for future growth in high school and beyond.

CAREER INTERNSHIP

Grades 10-12 CR 1/2 Q or 1 S Time Variable

PREREQUISITE: Meet with the work-based learning coordinator, in the Career Support Center, to complete the enrollment process. See work-based learning coordinator early Q-4 to sign-up for Summer or Q-1 internships.

Through the Career Internship Program, students have the opportunity to:

- Test a work environment.
- Develop or improve skills.
- Apply knowledge and skills in a real-world setting.
- Develop confidence in working with colleagues of different ages and educational level.
- Gain professional experience.

The Career Internship is a work-based situation which allows a student real work experience in conjunction with a faculty advisor, a work-site mentor, and the SHS Work-Based Learning Coordinator. Internships are designed to launch students into a career field that they are considering and are offered in many different ways. They can be taken for a quarter, a semester, a full year, or in the summer. Transportation to and from the worksite must be arranged by the student and parent/guardian.

CERAMICS

CRS 01113 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Art 1

This course includes both hand-built and wheel-thrown pottery techniques. Students are expected to plan their projects, practice ceramic techniques, help recycle clay and care for the ceramics studio. Students are required to develop original ideas and to do homework regularly.

CHEMISTRY AT

CRS 12384 Grade 11 CR 1 S 1 block

PREREQUISITE: "C" or better in Math Connections and recommendation of previous science teacher.

This course uses laboratory and classroom activities to study the structure of matter and the changes it can undergo. This course lays a strong foundation in the basic principles of chemistry for the student who plans to attend a vocational or technical school, and for the student who seeks a general knowledge of chemistry. Topics include atomic structure, the periodic table, chemical formulas and reactions, and phases of matter.

CHEMISTRY CP

CRS 12385 Grade 11 CR 1 S 1 block

PREREQUISITE: C in CP Algebra 1-B and 10th grade science teacher recommendation.

Chemistry has solutions to help satisfy students' curiosity about the environment and it offers opportunities for students to consider intellectually challenging questions about the behavior of matter. After acquiring basic laboratory techniques, students study and perform experiments to help them understand, quantitatively and qualitatively, atomic structure and chemical change. This course emphasizes laboratory applications and the development of independent thinking. It is strongly recommended that students planning to major in science in college take the Chemistry Plus CP course as well.

CHEMISTRY HONORS

CRS 12386 Grade 11 CR 1 S 1 block

PREREQUISITE: Recommendations from freshman science teacher and current math teacher are required.

This course studies the same topics as CP chemistry at a faster pace. Students are required to conduct an independent research project and present their research to the public at the end of the second semester. Students are expected to be independent thinkers, excel in problem solving and able to work independently.

CHILD DEVELOPMENT

CRS 06230 Grades: 10-12 CR 1 S 1 block

Learn how life begins and follow a baby's development through the infant stage. Students may also be given the opportunity to bring home "The Think it Over" Baby-the infant simulator.

CHILDREN'S LITERATURE

CRS 03179 Grades: 10-12 CR 1 S 1 block

This course is a survey of reading material for the preschooler. We read and evaluate books daily. Topics include nursery rhymes, alphabet and counting books, the picture book genre, traditional myths, folktales and fairy tales as well as children's classics like *Charlotte's Web*. Outside reading is required and students should be able to visit the public library weekly to complete annotated bibliography cards. Oral presentations and group projects are an integral part of the curriculum. This class would be beneficial to those interested in working with young children or in developing a basic parenting skill.

CHORUS 1

CRS 10351 Grades 9-12 CR 1 Y mini block

The Spaulding High School Chorus is open to all students

grades 9. Previous singing experience is recommended but not required. The Chorus performs at many local and out of state events, functions, and concerts. In the past few years, the Chorus also performed for a U.S. President, at the Statue of Liberty and on stage at Disneyworld and Disneyland in Florida and California. The Chorus performs many styles of music including classical, jazz, pop, and current music. The Chorus is an active group which performs many times throughout the year. To receive credit in this course, students must participate in the academic and the extracurricular activities. **Note: This Music course will fulfill the State of New Hampshire graduation requirement for 1/2 credit in fine arts.**

CIVICS AT

CRS 13452 Grades 9-10 CR 1/2 Q 1 block

Required for graduation for all classes from the class of 2009 and on. An understanding of the democratic process being essential to a well-functioning society, Civics examines the American governmental system at all three levels: federal, state, and local. Considerable emphasis is placed upon constitutional law and electoral procedures while keeping abreast of current issues.

CIVICS CP

CRS 13453 Grades 9-10 CR 1/2 Q 1 block

Required for graduation for all classes from the class of 2009 and on. An understanding of the democratic process being essential to a well-functioning society, Civics examines the American governmental system at all three levels: federal, state, and local. Considerable emphasis is placed upon constitutional law and electoral procedures while keeping abreast of current issues.

COMMERCIAL ART

CRS 01119 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Art 1, computer class or computer knowledge.

This course offers a survey of some of the skills and media used in commercial art: illustration, lettering, designing book covers, advertisements, containers, record covers, cartooning, and fashion design are examples of possible projects. An addition to the course will be the use of Photoshop software in a computer lab. A segment of the course may include the production of an original book written and illustrated by the student. Students in this course are expected to develop original ideas and to do homework.

COMPUTER - DATABASE MANAGEMENT

CRS 02140 Grades 10-12 CR 1/2 Q 1 block

Students will learn the Microsoft Office Access 2000 database program to track business and personal information.



A database is a collection of data that is organized to make retrieving specific information easy. Students will sort the information into tables, forms, queries, and reports. Students are encouraged to explore the use of this application as a tool to solve problems they will encounter at school, on the job, or at home. There will be integrated projects utilizing the use of the Internet. *Note: This course fulfills the state of NH requirement for computer education.*

COMPUTER - DESKTOP PUBLISHING

CRS 02150 Grade 10-12 CR 1/2 Q 1 block
PREREQUISITE: Final grade of 80 or better in Word Processing

Students will learn to use MS Publisher software. Topics will include: tri-fold brochures, labels, newsletters, and other professional documents. There will be integrated desktop publishing projects utilizing the Internet.

COMPUTER - EXCEL

CRS 02139 Grades 10-12 CR 1/2 Q 1 block

Students will learn Microsoft Office Excel 2000 to perform business and personal calculations. This is an electronic workbook used for analyzing and graphing numerical data. Students are encouraged to explore the use of this application as a tool to solve problems they will encounter at school, on the job, or at home. There will be integrated projects utilizing the use of the Internet. *Note: This course fulfills the state of NH requirement for computer education.*

COMPUTER - SOFTWARE APPLICATIONS

CRS 02119 Grade 9-10 CR 1/2 Q 1 block

As a foundation course to learning how to operate a personal computer, students will explore the three major topics of hardware, software, and communication. Using a hand-on approach, students will learn the essential components of Microsoft Office - Word, Excel, Access, and PowerPoint. Students are required to have keyboarding skills before taking this course. Recommended for non-computer majors and students needing basic computer skills. (Adapted from IT and ME) *Note: This course fulfills the State of NH requirement for computer education.*

COMPUTER - WORD PROCESSING 1

CRS 02137 Grades 9-12 CR 1/2 Q 1 block

This course is recommended for everyone who wishes to enhance his or her computer skills. Students will learn the basic word processing skills using Microsoft Office Word 2000 software. Emphasis will be placed on creating, formatting, editing, and proofreading personal/business letters, memos, and tables. *Note: This course fulfills the State of NH requirement for computer education.*

COMPUTER - WORD PROCESSING 2

CRS 02138 Grades 9-12 CR 1/2 Q 1 block
Prerequisite: Final grade of 80 or better is required in Computer - Word Processing 1.

Students will continue to learn additional word processing skills using the Microsoft Office Word 2000 program. Emphasis will be placed on creating, formatting, editing, and proofreading tables, reports, columns, styles, templates, graphics, and mail merge. To increase their employability skills, students planning on a career in the field of business are encouraged to select this course. *Note: This course fulfills the state of NH requirement for computer education.*

COMPUTER TECHNOLOGY 1

CRS 14517 Grades 11-12 CR 2 Y blocks/year

Prepare for a high paying career in the exciting world of Computer Technology. Computer Technologies will explore computer hardware, software, networking, pro-

gramming and web page design as well as the fundamentals of electricity and electronic circuitry. This course will also introduce students to the growing fields of telecommunications cabling and design. The course will be taught using hands-on projects, computer simulations, research projects and laboratory experiments. Suggested prerequisites: Electricity and Introduction to Computers. *Note: This course fulfills the State of New Hampshire requirement for computer education. This course also fulfills the third science credit diploma requirement.*

COMPUTER TECHNOLOGY 2

CRS 14518 Grade 12 CR 2 Y blocks/year
PREREQUISITE: Must pass Computer Technology 1 before taking Computer Technology 2 or instructors permission.

This course will further prepare a student for a high paying career in the exciting world of computers. Students will be able to customize their curriculum to meet their career goals. Possible career pathways include but are not limited to computer support, telecommunications cabling, computer software installation and development, computer networking and many more.

CONSUMER MATH AT

CRS 08305 Grades: 10-12 CR 1 S 1 block
PREREQUISITE:

Passing grade in Math Connections 1-B AT.

This calculator-based course stresses applications of arithmetic in the areas of consumer and career math to include budgeting, banking, credit, and taxes.

CONTEMPORARY PROBLEMS HONORS

CRS 13420 Grade 12 CR 1 S 1 block
PREREQUISITE: B or better grade in Sociology CP or US History CP.

This course emphasizes research methods, individual and class research projects, term papers, discussion and debate relating to the following types of contemporary problems and current affairs: crime, juvenile delinquency, minorities, poverty, women's rights, suicide, drug addiction, alcoholism, family violence, aging, terrorism and the threat of a nuclear holocaust. *Note: This class will fulfill the Global Studies requirement for graduation for the class of 2009 and beyond.*

COOKING FOR SINGLES

CRS 06234 Grades 11-12 CR 1 S 1 block
PREREQUISITE: May not have taken Exploring Foods or International Foods.

Upperclass students, soon you will be on your own. Learn to create and cook appetizing meals. Plan for the future and acquire your cooking skills now. This course is only open to Juniors and Seniors who have not taken any previous foods course.

COSMETOLOGY 1

CRS 14510 Grade 10 CR 3 Y 1-1/2 block/year
Location: Dover

PREREQUISITE: Application required.

Cosmetology is a three-year program beginning at Grade 10. The objective of the program is to acquire the skills and knowledge necessary to pass the New Hampshire State Board of Barbering and Cosmetology Examination with a required score of 75 percent or better. To be eligible to take the exam, each student must have successfully completed 1,500 hours of instruction. All new students are required to register with the NH Board of Barbering and Cosmetology at a cost designated by the State Board. Each student is required to purchase and wear a uniform and white or black rubber soled work shoes. Students will work on both mannequins and live models throughout the three-year program. The Cosmetology 1 course teaches the practical basics of shampooing, scalp and hair treatments, manicuring, roller and pincurl styling, hair cutting, sterilization, fingernail disorders and hair instruction.

COSMETOLOGY 2

CRS 14511 Grade 11 CR 3 Y 1-1/2 block/year

Location: Dover

PREREQUISITE: Application required.

Second year students improve their basic skills with the addition of permanent waving, hair coloring, bleaching, frosting, fingerwaving, facials, eyebrow arching, and facial make-up.

COSMETOLOGY 3

CRS 14512 Grade 12 CR 3 Y 1-1/2 block/year
Location: Dover

PREREQUISITE: Application required.

Students in the third year study salon management, which includes the physical design, inventory and financial operation of a beauty salon. Students begin preparation for a final examination resulting in licensing given by the NH Board of Barbering and Cosmetology. This is the standard exam given to commercial beauty school students and requires a grade of 75% or better in order to acquire a license to operate in any beauty salon within the State of New Hampshire. The cost of the exam is determined by the NH Board of Barbering and Cosmetology.

CREATIVE STITCHING 1

CRS 06228 Grades 9-12 CR 1 S 1 block

Emphasis in this course is on the fundamental techniques of sewing. Students learn by constructing garments, holiday decorations and small projects such as stuffed animals, sweats, sport bags, cross stitch, pillows, picture frames and a whole lot more!

CREATIVE STITCHING 2

CRS 06229 Grades 10-12 CR 1 S 1 block
PREREQUISITE: Creative Stitching 1 with a "C" or better or permission from instructor.

In this course students will expand upon the sewing fundamentals learned in Creative Stitching 1. More advanced quilting and clothing construction techniques will be explored. This course can be retaken for credit.

CULINARY ARTS 1

CRS 14513 Grade 11 CR 2 Y block/year
Location: Somersworth, Dover

PREREQUISITE: Application required.



This course prepares students for a career in the food industry. Students learn the basics of planning and preparation of food in large quantities. They learn proper cookery techniques and preparation, selection and use of applicable utensils, equipment, and safety and sanitation regulations involved in food preparation. Students operate the Technical Center's restaurant and they prepare bake shop products for actual retail experiences.

CULINARY ARTS 2

CRS 14533 Grade 12 CR 2 Y block/year
Location: Somersworth, Dover

PREREQUISITE: Application required and successful completion of Culinary Arts 1.

In the second year, students develop skills in managerial

techniques, menu planning, purchasing and receiving, recordkeeping, work schedules, personnel, food costing and kitchen operations. These techniques are demonstrated by students as they supervise the Culinary Arts 1 students in the actual operation of the Center's restaurant.

CURRENT ISSUES

CRS 13395 Grade 12 CR 1 S 1 block

This course will emphasize active discussion of the key articles in the news from the international to the local. Students will also be expected to do research into selective topics to provide greater depth of understanding of current issues. Time or Newsweek magazine will be an integral part of this course. *Note: This class will fulfill the Global Studies requirement for graduation for the class of 2009 and beyond.*

DANCE 1

CRS 10368 Grade 9-12 CR 1/2 Q 1 block

This course offers students the opportunity to explore all aspects of dance. Students will learn how to master the basic techniques of a variety of dance styles such as jazz, swing, modern and many other popular dance styles. Students will also study the history and role of dance in society. Daily dance classes will focus on learning choreographed dance routines from a variety of decades. Students will be expected to participate fully and dance daily as part of the course grades and requirements. Prior dance experience is not necessary but is helpful. *Note: This course will fulfill the State of New Hampshire graduation requirement in fine arts.*

DANCE 2

CRS 10371 Grades 10-12 CR 1/2 Q 1 block

PREREQUISITE: Dance 1 or permission of instructor.

This course offers students the opportunity to explore dance technique. Students will learn to master the basic techniques of a variety of dance styles including jazz, ballet, swing, modern, hip-hop, and many other popular dance styles. Daily dance class will begin with a traditional dance warm-up and include across the floor progressions. Students will be expected to participate fully and dance daily as part of the course requirements. Classes are designed to improve flexibility and muscle tone, increase range of motion, and improve cardiovascular fitness.

DRAFTING AND DESIGN

CRS 07261 Grades 11-12 CR 1/2 Q 1 block

Employees who work in engineering and technically oriented careers communicate through the use of standardized drawings. Students of Technical Drafting and Design explore this communication process by learning manual drawing techniques and computer applications. Various topics to be taught include orthographic and pictorial drawings, computer aided design (CAD) and computer aided manufacturing (CAM). *Note: This course fulfills the State of New Hampshire requirement for computer education.*

DRAFTING FUNDAMENTALS

CRS 07251 Grades 9-12 CR 1/2 Q 1 block

Students explore industry's communication of ideas on paper through the use of multiple hands-on activities. The visualization of real objects is explored through the use of standardized drafting procedures. Objects are then developed into real life projects using problem-solving techniques. This course serves as a basic foundation for all other technology courses.

DRAFTING TECHNOLOGY: COMPUTER AIDED DRAFTING

CRS 07252 Grades 10-12 CR 1 S 1 block

Explore drawing techniques used by designers, engineers and architects to express ideas. Students will learn com-

puter aided drafting using Autocad software. Topics include use of drafting equipment, multiview/pictorial drawing, dimensioning, computer aided design and manufacturing (CAD/CAM), working drawings and architecture. *Note: This course fulfills the State of New Hampshire requirement for computer education.*

DRAFTING TRADES 1

CRS 14514 Grade 11 CR 2 Y block/year

During the first year students in the Technical Drafting program learn basic drafting techniques as they apply to industry. The course provides instruction in both the architectural and machine design fields. A hands-on approach to computer aided drafting (CAD) is emphasized. During the second year students choose either architectural or machine design, and they receive more in-depth interaction and training to develop more advanced drafting skills. Individual design projects reflect students' career goals. Further instruction in computer aided drafting (CAD) techniques is included. *Note: This is a Running Start Course and students can receive college credit see page 38.*

DRAFTING TRADES 2

CRS 14515 Grade 12 CR 2 Y block/year

PREREQUISITE: Passing grade in Drafting Trades 1.

During the first year students in the Technical Drafting program learn basic drafting techniques as they apply to industry. The course provides instruction in both the architectural and machine design fields. A hands-on approach to computer aided drafting (CAD) is emphasized. During the second year students choose either architectural or machine design, and they receive more in-depth interaction and training to develop more advanced drafting skills. Individual design projects reflect students' career goals. Further instruction in computer aided drafting (CAD) techniques is included. *Note: This is a Running Start Course and students can receive college credit see page 38.*

EARLY CHILDHOOD EDUCATION 1

CRS 14508 Grade 11 CR 2 Y block/year

PREREQUISITE: Application required.

In this class you will have the wonderful opportunity to work directly with young children and to watch them grow and learn through the year. If you are a Junior or a Senior thinking about a career associated with children, whether it be as an infant caregiver, an elementary school teacher, a speech and language therapist, a preschool teacher, child psychologist, a social worker or any other child centered profession, you will benefit from taking this course. During ECE 1 you will spend about 75 hours working directly with children of various ages. Three quarters of fieldsite experience will be in the Small Wonders Laboratory Preschool with three, four, and five year old children. One quarter may be in a community child care center, kindergarten or elementary school. While in the lab school you will learn about being a preschool teacher. You will learn to plan appropriate activities in the areas of music, art, movement, science, language, math and social studies. You will observe children to learn about their growth and development and have many opportunities to practice using positive guidance and supervision techniques. Classroom studies support and elaborate on the techniques, materials and knowledge of development needed to be successful with children. Many ECE students choose to become involved in the student organization, FCCLA, which offers many opportunities for community service, leadership, trips and conferences. *Note: This is a Running Start Course and students can receive college credit see page 38.*

EARLY CHILDHOOD EDUCATION 2

CRS 14509 Grade 12 CR 2 Y block/year

PREREQUISITE: Application and interview required.

This course is for students who have successfully com-

pleted Early Childhood Education 1, and know that a career associated with children is really what they want. This course is a continuation of the first year. Two fieldsite sessions are in the Small Wonders lab preschool and two sessions are in community sites. Students are given more teaching responsibilities in the laboratory preschool. Classroom studies continue to prepare students to work with children. Successful completers of the two year program receive a certificate which recognizes them as Child Care Associate Teacher by the Bureau of Child Care Licensing of the NH Department of Health and Human Services. If entering the child care field after graduation they would be eligible for more responsibilities and more pay with this credential. For those furthering their education, articulation credits may be available through some of the two year colleges in NH. Many ECE students continue to be involved in the student organization, FCCLA, which offers many opportunities for community service, leadership, trips and conferences. *Note: This is a Running Start Course and students can receive college credit see page 38.*

EARTH SCIENCE AT

CRS 12373 Grade 10-12 CR 1 S 1 block

This course offers a general introduction to Earth and Space science. Topics of study include Geology, Meteorology Oceanography and Space science. Emphasis will be placed on developing ideas and skills that will be useful in later science courses and everyday life experiences.

EARTH SCIENCE CP

CRS 12375 Grade 10-12 CR 1 S 1 block

PREREQUISITE: B or better in 8th grade English and science.



This course is designed for students who desire a rigorous introduction to the study of Earth and Space science. Topics of study include Geology, Meteorology, Oceanography and Space Science. This course introduces ideas and skills that are useful in later science courses.

ECONOMICS AP

CRS 13419 Grade: 11-12 CR 2 Y 2 blocks

PREREQUISITE: B average in Honors or CP English and math.

This course is a nationally standardized course for advanced students. Some students may earn credit for college economics after having completed this course. This course develops students' understanding of the economic processes and the economic role of our government. A comparison of the various world economic systems is made with emphasis on the American free enterprise system. Students also become acquainted with possible approaches to various personal economic problems.

ECONOMICS AT

CRS 13410 Grade 10-12 CR 1/2 Q 1 block

This course is designed to develop students' understanding of basic economic principles. Although it is a survey course, students apply principles to current economic sit-

uations, they become familiar with economic and financial news and they engage in simulated economic activity. In this course, some emphasis is placed on personal economics.

ECONOMICS CP

CRS 13409 Grade 11-12 CR 1 S 1 block

This course develops students' understanding of the basic economic processes and the economic role of our government. A comparison of the various world economic systems is made with emphasis on the American free enterprise system. Students also become acquainted with possible approaches to various personal economic problems.

ELECTRICAL TECHNOLOGY 1

CRS 14540 Grade 11 CR 2 Y block/year
Location: Dover

PREREQUISITE: Application required.

This course introduces the student to the electrical trades with the study of basic DC/AC theory and OHMS Law applied to various types of circuits. As the year progresses, the student will also be introduced to the proper use of all electrical hand tools used in residential wiring. Classroom work, along with hands-on activities, will be experienced with emphasis on the latest edition of the National Electrical Code.

ELECTRICAL TECHNOLOGY 2

CRS 14541 Grade 12 CR 2 Y block/year
Location: Dover

PREREQUISITE: Successful completion of Electrical Trades 1. Application required.

This course is designed for the student who has a definite career interest in the Electrical Trades. The student in will learn advanced residential wiring at the on-site project with the Building Construction class. Students will also be introduced to commercial wiring and industrial motor control as well as applications of advanced circuitry with emphasis on the latest edition of the National Electrical Code.

ELECTRICITY

CRS 07248 Grades 9-12 CR 1/2 Q 1 block

Electricity will introduce students to the exciting world of electricity and electronics. The science of electricity will be explored using hands-on projects, computer simulations, research projects and laboratory experiments. Students will learn the basics of house wiring and some of the applicable building codes and laws that govern such work. This course will be helpful for students considering a career in computer technologies, electronics, electricity, HVAC, automotive repair as well as anyone who plans to own a house. The course will be taught using hands-on projects, computer simulations, research projects and laboratory experiments. This course counts as a 1/2 credit towards a science credit.

EMPLOYMENT EXPERIENCE

CRS 15473 Grades 9-12 CR 2 Y 1 block

This course is designed to aid special needs students in the transition from school to adult life in the community. Many aspects of life are considered with a primary focus on employment for most students. Job seeking and keeping skills and attitudes are taught and practiced as preparation for students' integration into actual jobs within the community. Students may spend up to half of the school day on job assignments and they may have a job coach to support them while they adjust to the demands of the workplace. Since individual employer's requirements differ, some job assignments may take place after normal school hours. Because of the individualized nature of this course, it may be taken more than once.

ENGLISH 1 AT

CRS 03152 Grade 9 CR 1 S 1 block

This course in language arts consists of a study in grammar, usage, mechanics, vocabulary, spelling, speech, composition, and literature. English 1 AT students may read and discuss Romeo and Juliet, Road to Memphis, and The Accident.

ENGLISH 1 CP

CRS 03151 Grade 9 CR 1 S 1 block
PREREQUISITE: B average or higher in 8th grade English and teacher recommendation.

This course is designed for college bound students who are academically successful. It is a course in language arts consisting of study in grammar, writing, vocabulary, speech, and literature. Students are required to read a number of works, that may include Romeo and Juliet, Great Expectations, and Antigone. In addition, they undertake a study of the short story.

ENGLISH 1 HONORS

CRS 03150 Grade 9 CR 1 S 1 block
PREREQUISITE: B+ average or higher in 8th grade English and teacher recommendation based on achievement and attitude.

English 1 Honors is a challenging course in vocabulary, grammar, writing, literature and critical thinking for the serious student. A summer reading and writing assignment involving classical mythology is required. During the year students may undertake the study of titles such as The Odyssey, the Oedipus trilogy and Romeo and Juliet, as well as several novels and in-depth writing assignments.

ENGLISH 2 AT

CRS 03157 Grade 10 CR 1 S 1 block
PREREQUISITE: Teacher recommendation and a passing grade in English 1.

This course is intended for students who have demonstrated average ability and achievement in English. It is a course that includes literature, grammar, vocabulary development, and composition as well as the improvement of listening and speaking skills. Some titles may include: Night, Of Mice and Men, To Kill a Mockingbird, and The Bean Trees.

ENGLISH 2 CP

CRS 03156 Grade 10 CR 1 S 1 block
PREREQUISITE: Teacher recommendation and English 1 CP with a C+ grade or higher, or English 1AT with a B- or higher.



English CP involves extensive reading of many types of literature: the novel, short story, poetry, and drama. CP students, therefore, must be willing to devote considerable time to independent reading and writing. Basic concepts in grammar are included, and vocabulary development is emphasized. Some titles studied may include Night, To Kill a Mockingbird, and either Julius Caesar or A Midsummer Night's Dream.

ENGLISH 2 HONORS

CRS 03155 Grade 10 CR 1 S 1 block
PREREQUISITE: Teacher recommendation and a B- or higher in English 1 Honors or A- or higher in 1CP English. Honors English is a challenging course for outstanding students who are serious about their education and genuinely interested in literature. Students are required to do

extensive reading, considerable thinking about what is read, and much writing. They are also expected to participate meaningfully in class discussions. Some titles may be: Night, Fahrenheit 451, The Bean Trees, To Kill a Mockingbird, and A Midsummer Night's Dream. While this course surveys various types of literature, it also includes vocabulary, development, grammar usage, and composition. Summer reading is required.

ENGLISH 3 AT

CRS 03162 Grade 11 CR 1 S 1 block
PREREQUISITE: Teacher recommendation and a passing grade in English 2.

This course is a survey course which includes study of the novel, short story, and drama. Also emphasized are reading comprehension, writing skills, vocabulary development and improvement of verbal skills. A textbook and supplemental materials are used to enrich students' understanding of their country's literature. Reading matter may include The Crucible, A Farewell to Manzanar, A Walk Across America, and a survey of American authors.

ENGLISH 3 CP

CRS 03161 Grade 11 CR 1 S 1 block
PREREQUISITE: Teacher recommendation and English 2CP with a grade of C+ or better.

College preparatory English for juniors is a sampling of American literature. Examples of novels to be studied may be The Scarlet Letter, The Crucible, and Farewell to Manzanar. Content is generally balanced among reading, discussions, grammar, composition, and vocabulary development and collaborative activities. Outside reading is required as are objective examinations, essay examinations, and oral presentations.

ENGLISH 3 HONORS

CRS 03160 Grade 11 CR 1 S 1 block
PREREQUISITE: Teacher recommendation, a B- or higher in English 2H or an A- or higher in English 2CP.

Honors English at the junior level is a sampling of American literature. Works which may be read and discussed include The Crucible, The Scarlet Letter, The Grapes of Wrath, and The Great Gatsby. Students are expected to complete a variety of writings. Vocabulary development is an important component of this course. Grammar is covered as needed. Summer reading is required.

ENGLISH 4 AT

CRS 03167 Grade 12 CR 1 S 1 block
PREREQUISITE: Teacher recommendation and a passing grade in English 3.

AT English 4 includes a review of the fundamentals of grammar, punctuation, and sentence structure in a practical sense with concentration on elimination of those errors which exist in composition. There is also a strong emphasis on vocabulary building through structured study and reading. Reading objectives include recognizing some elements of style, making inferences and critical evaluations with continual efforts to raise personal standards for selection of reading materials and increasing proficiency in skills taught in previous grades. The reading may include such titles as Macbeth, Flowers for Algernon, Hiroshima, and selected British classics.

ENGLISH 4 CP

CRS 03166 Grade 12 CR 1 S 1 block
PREREQUISITE: Teacher recommendation and English 3CP with a grade of C+ or better.

College preparatory seniors undertake a rigorous study of English in its historical and comparative aspects. Students do extensive reading, writing, vocabulary and grammar. The literature is British with emphasis on critical analysis of such works as Beowulf, Canterbury Tales, Hamlet or Macbeth. Other works may include: Wuthering Heights, Pride and Prejudice, The Mayor of Casterbridge, Rebecca, and The Picture of Dorian Gray.

ENGLISH 4 /COLLEGE COMPOSITION CP

CRS 03170 Grades 12 CR 1 S 1 block
PREREQUISITE: Placement test and approval of instructor and NHCTC Dept. Chairperson

This writing intensive course follows the curriculum utilized at the Stratham campus of NHCTC. Students will write a two-three page paper per week as well as complete a 5 page and a 10 page research paper. There is an advanced grammar component in the course that is applicable to the writing assignments. The literature component includes books from the CP and AT curriculum for senior English. To qualify for transferable college credit students must take the Accuplacer writing profile, administered at Spaulding in the spring, register with Stratham during the first month of the semester, and earn a least a C in the course. The cost of the Accuplacer is \$5. **Note: This is a Running Start Course and students can receive college credit see page 38.**

ENGLISH LANG. AND COMPOSITION AP

CRS 03165 Grade 12 CR 2 Y 1 block
PREREQUISITE: Departmental recommendation, Honors 3 or English 3CP with a grade of B+ or better.

English 4 Advanced Placement encompasses an intense study of British literature and a sampling of humanistic trends, with many interdependent research and analytical projects assigned. An accelerated grammar and vocabulary program is included as well as a comprehensive major British author project emphasizing the author's works and critical analysis of them. Students taking this course are strongly encouraged to take the Advanced Placement English Exam for college credit. **NOTE: Summer reading is required.**

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESL-Q) QUARTER COURSE

CRS 15146 Grade 9-12 CR 1/2 Q 1 block

This course is open to beginning through advanced students who need support in using the English language in the Curriculum. Reading comprehension, writing, grammar, vocabulary, and English literature will be studied. Students will have individual goals based on their English proficiency. Their curriculum materials may be modified and they will receive extra instruction for their mainstream classes.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESL-S) SEMESTER COURSE

CRS 15147 Grade 9-12 CR 1 S 1 block

This course is open to beginning through advanced students who need support in using the English language in the Curriculum. Reading comprehension, writing, grammar, vocabulary, and English literature will be studied. Students will have individual goals based on their English proficiency. Their curriculum materials may be modified and they will receive extra instruction for their mainstream classes.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESL-Y) YEAR COURSE

CRS 15151 Grade 9-12 CR 1 Y mini block

This course is open to beginning through advanced students who are developing English Language Skills as a foreign language. Students will have individual goals based upon their language proficiency. They will follow a modified mainstream curriculum, including specific oral and written instruction in the English language. They will study the domains of speaking, listening, reading and writing English as well as American culture and English literary heritage. This course may be repeated at different levels of proficiency.

ENVIRONMENTAL SCIENCE AP

CRS 12902 Grades 12 CR 1 S 1 block
PREREQUISITE: Students must have a B average in Honors or CP science classes.

Environmental Science AP is a college level seminar and field investigation class in which human impact on the planet will be analyzed from scientific, ethical, and political perspectives. Environmental problems, risks associated with these problems, and alternative solutions will be considered. Students will be required to take the AP exam in the spring.

ENVIRONMENTAL SCIENCE AT

CRS 12391 Grades 11-12 CR 1 S 1 block

This course will provide the student with an overview of environmental science and integrate the various social, economic, technical, and political issues. Inter-related problems of ecological disruptions, growth of human population, land use, energy, food supplies, pollution and solid wastes are topics that will be studied. Students will be responsible for a community service project. This course will satisfy the physical science credit for graduation.

ENVIRONMENTAL SCIENCE CP

CRS 12390 Grades 11-12 CR 1 S 1 block
Prerequisite: B-or better in English and science

This course is designed for students who are interested in the Environment and Environmental issues. This course will provide the student with an overview of environmental science and integrate Biology, Chemistry, Physics and earth science as they relate to social, economic technical and political issues. Inter-related problems of ecological disruptions, growth of human population, land use, energy, food supplies, pollution and solid waste are all topics that will be studied. Students will be responsible for a community service project and other independent projects. This course will satisfy the physical science credit for graduation.

ENVIRONMENTAL SCIENCE HONORS

CRS 12371 Grades 11-12 CR 1 S 1 block
Prerequisites: A- or better in English and science. This course will satisfy the physical science credit for graduation.

Honors Environmental Science is a challenging course for students who are serious about the environment and environmental issues. This course will provide the student with an overview of environmental science and integrate Biology, chemistry Earth science and physics with the various social, economic, technical and political issues. Inter-related problems of ecological disruptions, growth of human population, land use, energy, food supplies, pollution and solid wastes are topics that will be studied. Students will be responsible for a community service project and other independent projects.

EXPLORING CHILDHOOD

CRS 06231 Grade: 9-12 CR 1/2 Q 1 block

How children grow and learn is the focus of this course. Students will learn how children develop intellectually, physically, socially and emotionally. This will be an activity-oriented course with creative projects and hands-on activities that can be used with young children.

EXPLORING CULTURES

CRS 03178 Grades 9-12 CR 1/2 Q 1 block

Through a variety of activities, discussions and readings, students will examine common traits among people as well as unique differences between cultures. The world's perception of America, its people and the impact of our ethnocentricity will be studied. Students considering this

course should exhibit a high level of maturity.

EXPLORING FOODS

CRS 06226 Grades 10-11 CR 1 S 1 block
PREREQUISITE: Must pass Intro to Foods with a "C" or better or permission from the instructor.

Once you have mastered the basics, now it's time to put that knowledge to work. You will continue to sharpen your culinary skills while studying the food groups, meal planning, and how to make good consumer choices when buying food.

EXPLORING THE ART OF TEACHING

CRS 16589 Grades 10-12 CR 1/2 Q 1 block
PREREQUISITE: Teacher interview and short essay.

This hands-on course allows students to explore the art of teaching. Students will research, practice, and evaluate themselves as well as their peers. We will maintain portfolios and a reflective journal. Classroom management, teaching methods, and philosophies will be explored as well.

FILM: MIRROR AND MESSAGE

CRS 03183 Grades 10-12 CR 1 S 1 block

This course offers a detailed look at films, film-making, producing, and directing. Films from 1927 to the present day will be studied, with major concentration on serious, classical works. Students will be required to take notes and write papers which reflect responsible judgments, written in standard English. Two biographical reports are assigned. Students must read a book about a famous actor and a famous director. (List is supplied)

FORESTRY AND ENVIRONMENTAL SCIENCE 1

CRS 14563 Grade 11 CR 2 Y block/year

Location: Dover

PREREQUISITE: Application required.

Forestry and the environmental sciences are among the fastest growing occupations in the world. Since New Hampshire is the second most forested state, numerous career opportunities exist. This program is designed to develop the skills and attitudes required for success in any of the forest industries, environmental sciences, or outdoor recreation fields. Learning activities include chainsaw and other power equipment operation, surveying, GPS use, topographical mapping, wildlife surveys, planting trees, and constructing trails and bridges. Students manage a 17 acre wooded area as well as local wetlands and ecosystems. A student interested in this program must enjoy outdoor activities and be willing to engage in safe, productive learning outside the classroom/lab.

FORESTRY AND ENVIRONMENTAL SCIENCE 2

CRS 14564 Grade 12 CR 2 Y block/year

Location: Dover

PREREQUISITE: Application required, and successful completion of Forestry and Environmental Science 1.

Forestry and the environmental sciences are among the fastest growing occupations in the world. Since New Hampshire is the second most forested state, numerous



career opportunities exist. This program is designed to develop the skills and attitudes required for success in any of the forest industries, environmental sciences, or outdoor recreation fields. Learning activities include chain-saw and other power equipment operation, surveying, GPS use, topographical mapping, wildlife surveys, planting trees, and constructing trails and bridges. Students manage a 17 acre wooded area as well as local wetlands and ecosystems. A student interested in this program must enjoy outdoor activities and be willing to engage in safe, productive learning outside the classroom/lab.

FRENCH 1 CP

CRS 05200 Grades: 9-12 CR 1 S 1 block

It is assumed that French 1 students have not studied French previously. After the basic dialogues are presented orally in class and on tapes, the vocabulary is used in varied context until the class is familiar with it. Syntax, grammar and verbs are presented as needed. After sufficient knowledge of vocabulary and structure are acquired, reading materials are presented.

FRENCH 2 CP

CRS 05201 Grades: 9-12 CR 1 S 1 block
PREREQUISITE: French 1

During the second year, skills begun in French 1 are further developed. The first few weeks of the course are a period of review. Laboratory work, quizzes and dictation are continued regularly. Reading is begun early in the year and discussed in French. Short dialogues occur more frequently than during the first year. More varied reading passages are assigned to the class.

FRENCH 3 HONORS

CRS 05202 Grades 10-12 CR 1 S 1 block
PREREQUISITE: French 2

Emphasis is placed on continuing to develop language skills through activities that focus on meaningful, personal communication. Students learn to express their ideas, feelings and opinions in natural everyday settings. As they learn to communicate more proficiently in French, they learn more about the culture of the people who speak French.

FRENCH 4 HONORS

CRS 05206 Grade 11-12 CR 1 S 1 block
PREREQUISITE: French 3

The primary focus of this course is to develop proficient oral communication in an expanded French environment. Language skills are developed through the reading of short stories and the expansion of grammatical principles. Cultural aspects are introduced. Emphasis is placed on communication and comprehension. Classes for the most part are conducted in French.

FRENCH 5 HONORS

CRS 05222 Grade 11-12 CR 1 S 1 block
PREREQUISITE: French 4

The primary focus of this course is to develop proficient oral communication in an expanded French environment. Language skills are developed through the reading of short stories and the expansion of grammatical principles. Cultural aspects are introduced. Emphasis is placed on communication and comprehension. Classes for the most part are conducted in French.

FRENCH AP

CRS 05226 Grade 12 CR 2 Y 1 block
PREREQUISITE: Completion of French Honors 5 or Departmental recommendation.

French AP is a nationally standardized course. The use of language for active communication is emphasized to help the student develop the following: A. the ability to understand spoken French in various contexts; B. A French vocabulary sufficiently ample for reading newspaper, magazine articles, and literary texts without the use of a

dictionary; and C. the ability to express themselves coherently, resourcefully, and with reasonable fluency and accuracy in both written and spoken French. Students may take the Advanced Placement French Exam for college credit.

FRESHMEN PHYSICAL EDUCATION

CRS 11356 Grade 9-12 CR 1 S 1 block

The focus of the freshman physical education curriculum is two-fold. Students will spend one quarter learning and applying fitness fundamentals and one quarter participating in an Adventure-based curriculum. Physical fitness is an important element in promoting a lifetime of wellness. Students will focus on muscular strength, muscular endurance, flexibility, and cardiorespiratory endurance. In the Adventure curriculum students will be introduced to a sequentially-based program that emphasizes team building, problem solving, and high rope challenges. Students will learn to trust, cooperate, and to take risks in a supportive and challenging environment.

FUNDAMENTAL MATH AT

CRS 08319 Grades: 9-10 CR 1 S 1 block
Prerequisite: teacher recommendation

This course is a Standards based approach designed for students not ready to begin Math Connections 1A. Math Scape Course 3 provides the topics to be covered which include a review of arithmetic skills, an overview of statistical measures, scatter plots, probability, measuring and estimating, distance – time graphs and using graphs to solve problems.

GEOMETRY AT

CRS 08309 Grade: 10-12 CR 1 S 1 block
Prerequisite: passing grade in Algebra 1-B AT or a D average in Algebra 1-B CP

This course is an informal approach to geometry. Topics include: patterns, lines and planes; triangles and polygons; reasoning in geometry; coordinates in geometry; parallel lines; conjectures about triangles; quadrilaterals, areas and volumes; using transformations; similar polygons; applying right triangles; and circles. Explorations and applications are integrated into each topic.

GEOMETRY CP

CRS 08313 Grades 9-10 CR 1 S 1 block
PREREQUISITE: A "C" average in Algebra 1-B CP or recommendation of the Algebra 1 Honors teacher.

Traditional Euclidean Geometry is studied with emphasis on structure, method and formal proof. Topics include: lines and angles, parallel lines and planes, congruent triangles, similar triangles, right triangles, circles, area of plane figures, area and volume of solids and construction.

GEOMETRY H

CRS 08317 Grades 9-10 CR 1 S 1 block
PREREQUISITE: Recommendation of 8th grade math teacher or Algebra 1-B CP teacher.

Traditional Euclidean Geometry is studied with emphasis on structure and formal proof. Topics include: logic and set theory, lines and angles, parallel lines and planes, congruent triangles, similar triangles, right triangles, circles, area of plane figures, area and volume of solids, locus and construction and transformations. *Note: Students are recommended for Algebra 1 H and Geometry H by their eighth grade math teacher after successful completion of Algebra 1A CP. Both courses should be elected in the freshman year.*

GLOBAL STUDIES AT

CRS 13451 Grades 9-10 CR 1/2 Q 1 block

Required for graduation for all classes from the class of 2009 on. With an emphasis on cultural geography and modern world history, Global Studies will examine the political structures, economic systems, and religious institutions of our increasingly interdependent world. This cultural and historical survey includes analysis of the causes and effects of world conflicts in the twentieth century and

pays particular attention to recent and current international events.

GLOBAL STUDIES CP

CRS 13449 Grades 9-10 CR 1/2 Q 1 block

Required for graduation for all classes from the class of 2009 on. With an emphasis on cultural geography and modern world history, Global Studies will examine the political structures, economic systems, and religious institutions of our increasingly interdependent world. This cultural and historical survey includes analysis of the causes and effects of world conflicts in the twentieth century and pays particular attention to recent and current international events.

GRAPHIC DESIGN

CRS 07246 Grade 9-12 CR 1/2 Q 1 block

Students will explore the many different aspects and career opportunities of graphic design. Graphic design is the communication tool artists use to illustrate, advertise, and promote products in the industrial world. Students will be encouraged to use their creative talents and computer skills to produce such works of art as: developing logos, illustrating and promoting a company they choose, magazine layouts, and other visual stimulating projects. Students will be supplied with the latest, state of the art technology and software including QuarkXpress and Adobe Photoshop to aid in their design. *Note: This course will fulfill the State of New Hampshire graduation requirement for 1/2 credit in fine arts.*

GRAPHIC TRADES/PRINTING 1

CRS 14521 Grade 11 CR 2 Y blocks/year

Graphic Arts is a multifaceted industry, with a wide range of career opportunities that employs men and women. Job titles include designers, paste-up artists, page-layout artist, camera operators, pre-press technicians, computer operators, plate makers, press operators, bindery workers, computer programmers, chemists, and estimators. This hands-on course acquaints students with the latest cutting edge technology, digital color imaging and conventional offset printing. The digital and offset forms of printing are taught, and include computer layout, computer design, paste-up, camera work, stripping, plate making, press set-up and operations. Students design and print business cards, invitations, letterheads, CD covers, posters and various other items. *Note: This course will fulfill the State of New Hampshire graduation requirement for 1/2 credit in fine arts. This is a Running Start Course and students can receive college credit see page 38.*

GRAPHIC TRADES/PRINTING 2

CRS 14522 Grade 12 CR 2 Y blocks/year
PREREQUISITE: Must pass Graphics Trades 1 before you take Graphics Trades 2.

Graphic Arts is a multifaceted industry, with a wide range of career opportunities that employs men and women. Job titles include designers, paste-up artists, page-layout artist, camera operators, pre-press technicians, computer operators, plate makers, press operators, bindery workers, computer programmers, chemists, and estimators. This hands-on course acquaints students with the latest cutting edge technology, digital color imaging and conventional offset printing. The digital and offset forms of printing are taught, and include computer layout, computer design, paste-up, camera work, stripping, plate making, press set-up and operations. Students design and print business cards, invitations, letterheads, CD covers, posters and various other items. *Note: This is a Running Start Course and students can receive college credit see page 38.*

GRAPHICS COMMUNICATIONS TECHNOLOGY

CRS 07253 Grades 9-12 CR 1 S 1 block

Students will explore the ever important world of commu-

nication through the following associated areas: graphic design and layout, screen process printing, black and white photography, air brush art technology, offset printing, and electronic desktop publishing which includes digital photography and scanner technology. All activities are focused on developing creative thinking and problem solving skills. Students' designs will be a major emphasis in all activities. The development of a student portfolio is stressed. Career opportunities in the fields of graphic design, commercial art, printing, computer graphics and other related fields will be explored. Safety concerns related to operating equipment and handling chemicals is emphasized. *Note: This course will fulfill the State of New Hampshire graduation requirement for 1/2 credit in fine arts.*

HANDBELLS 1

CRS 10365 Grade: 9-12 CR 1/2 Q 1 block

This course offers students the opportunity to learn to read music more efficiently through the study of playing handbells. Handbells are pitched instruments which are rung in conjunction with music written for this type of musical ensemble. No experience is required but a serious desire to practice reading music and performing within a group of 12 students is necessary to be successful in this class. Reading music in this class will assist students in playing other instruments for their own personal enjoyment at home such as keyboards and guitars.

HANDBELLS 2

CRS 10369 Grade: 9-12 CR 1/2 Q 1 block
PREREQUISITE: Handbells 1 or permission of the instructor.

This course offers students the opportunity to continue performing and reading music through the study of playing handbells and handchimes. Successful completion of Handbells 1 or permission of the instructor is needed to participate in this advanced level class. Reading music in this class is essential and performances will be required in this class.

HEALTH

CRS 06225 Grade: 9-12 CR 1/2 Q 1 block

Instructional content and learning activities in this course will enable students to initiate a self-evaluation of their own health knowledge, attitudes and behaviors. Topics covered in this course will include wellness, lifestyle choices, drug and alcohol abuse, sexually transmitted diseases, nutrition, stress, mental health, and prevention and care of diseases. Health is a required course for all ninth graders.

HEALTH SCIENCE TECHNOLOGY 1

CRS 14523 Grade 11 CR 2 Y block/year
PREREQUISITE: Application required.

During the first year of this course, students are introduced to the field of health care and will investigate specific job opportunities in the health care industry. They are exposed to ethical and legal aspects of health care, microorganisms, safety issues such as fire, body mechanics, and infection control. After completing anatomy and physiology, nutrition and diet therapy, CPR and first aid, the students may travel to various community health care agencies for observation. *Note: This course fulfills the third science credit diploma requirement. This is a Running Start Course and students can receive college credit see page 38.*

HEALTH SCIENCE TECHNOLOGY 2

CRS 14524 Grade 12 CR 2 Y block/year
PREREQUISITE: 80 or better in HST 1 and application.

The second year is for students who have a definite career interest. There is more in-depth study of body systems, diagnoses, treatments and rehabilitations along with investigation into human growth and development and pharmacology. They investigate current health issues and consumer information. Students learn multiple health

care skills on the assistant level and will travel to health agencies for clinical practice in an area of their interest. Upon successful completion a certificate of competency is issued. Students are expected to arrange for their own transportation to and from field sites. **Note: This is a Running Start Course and students can receive college credit see page 38.**

HISTORICAL FICTION CP

CRS 13427 Grades 11-12 CR 1 S 1 block
PREREQUISITE: B or better in top level social studies or English class and teacher recommendation.

Historical Fiction is designed to place an emphasis on the use of novels, film, and media to enhance the student's knowledge and understanding of historical events. The ability to make both written and oral critical evaluations and analysis of extensive outside reading is required.

HORTICULTURE/LANDSCAPING 1

CRS 14545 Grade 11 CR 2 Y block/year
Location: Somersworth, Dover
PREREQUISITE: Application required.

In this two-year course, students receive instruction in landscaping and weed, insect and disease identification and control. Students also receive practical experience in landscaping a home, surveying, maintaining nursery stock, and operating equipment operation. Related business management techniques are studied in this course.

HORTICULTURE/LANDSCAPING 2

CRS 14546 Grade 12 CR 2 Y block/year
Location: Somersworth, Dover
PREREQUISITE: Application required, and successful completion of Horticulture/Landscaping 1.

In this two-year course, students receive instruction in landscaping and weed, insect and disease identification and control. Students also receive practical experience in landscaping a home, surveying, maintaining nursery stock, and operating equipment operation. Related business management techniques are studied in this course.

HORTICULTURE/MANUFACTURING 1

CRS 14320 Grade 11 CR 2 Y block/year

Year one - Students will learn the basics of horticulture(plant growth science), including plant identification, plant structure and function, photosynthesis, growth, and reproduction. Students will apply what they learn by practicing propagation and plant care techniques in the school greenhouse. Units will also be taught in the areas of basic floral design, landscape maintenance, greenhouse/garden center operations, and accessories manufacturing. Safety and health will be covered as it relates to all aspects of the course. "The Greenhouse", Spaulding High Schools' own flower shop and garden center will offer students the ability to work in a realistic retail environment. Employment skills will be introduced with the initial development of a resume. Students will also be able to participate in the Rochester Chapter of the FFA. This course provides an introduction in horticulture, floral design, small scale manufacturing, and leadership skills. *Note: This course fulfills the third science credit diploma requirement.*

HORTICULTURE/MANUFACTURING 2

CRS 14321 Grade 12 CR 2 Y block/year
PREREQUISITE: Successful completion of Horticulture/Manufacturing 1.

Year two - Students will learn about plant anatomy & physiology. Hydroponic growing systems, (water grown plant science), will be discussed and utilized to demonstrate alternative growing methods. Hydroponics will also include nutrient water analysis, electro-conductivity mea-

surement, and pH analysis. Floral design will include more advanced arrangements using living as well as silk flowers. Landscape design will include job estimation and purchasing of materials for the complete landscape. Greenhouse/garden center management will look at retail business skills such as purchasing, stocking and labor concerns. Wood products will be produced to supplement and expand the offerings in our retail sales outlet, "The Greenhouse". Desktop publishing and printing of advertising and sales brochures will be covered so as to simulate a self sufficient business operation. Safety and health will be covered as it relates to all aspects of the course. Employment skills will be reinforced with the completion of a resume and job search. Students will participate in the Rochester Chapter of the FFA. Finally students will individually be expected to complete a keystone project of their choice, which will develop leadership and/or community service skills.

HOUSING AND HOME DECOR

CRS 06232 Grades 9-12 CR 1 S 1 block

Students in this class will be introduced to many different architectural designs and styles of housing. They will develop their own personal sense of style through the study of color and design. They will also learn to decorate a condo, apartment or home so that it is a reflection of themselves. *Note: This course will fulfill the State of New Hampshire graduation requirement for 1/2 credit in fine arts.*

IND/COM AGRICULTURAL MECHANICS 1

CRS 14538 Grade 11 CR 2 Y block/year
Location: Somersworth
PREREQUISITE: Application required.

Students are involved in the machinery, tools, equipment and structures utilized in all occupations related to agriculture. They demonstrate the usage, safety, maintenance, weatherization and repair of all agriculture-related equipment, both hand and power operated. Major topics include stick, mig, tig and oxyacetylene welding, small engines, tractor maintenance and business sales skills.

IND/COM AGRICULTURAL MECHANICS 2

CRS 14539 Grade 12 CR 2 Y block/year
Location: Somersworth
PREREQUISITE: Application required, and successful completion of Ind/Com Agriculture Mechanics 1.

The second year of this program is a continuation of Agricultural Mechanics 1 with opportunities for student to specialize in certain skill areas. Projects, both instructor assigned and student planned, are required in this program. Upon completion of the program, students are qualified for employment in the field of small engine repair, metal fabrication and welding and recreational vehicle assembly.

INDIVIDUAL/DUAL GAMES

CRS 11362 Grade 10-12 CR 1/2 Q 1 block
PREREQUISITE: 80 or better in Freshmen P.E.

Students will participate in a variety of lifetime sports and activities. The focus will be on skill development, game strategy, and game etiquette in tennis and golf because of their carryover value. Students will take skill and written tests in these two activities. This course has a mandatory fieldtrip as part of course requirements.

INTEGRATED FRESHMEN SCIENCE AT

CRS 12901 Grade 9 CR 1 S 1 block

This course offers a general introduction to Earth and Physical Science. Topics of study will include scientific practices, Geology, Meteorology, Astronomy, Matter, Energy, Motion and Forces. Emphasis is placed on developing ideas and skills that will be useful in later science courses and everyday life experiences.

INTEGRATED FRESHMEN SCIENCE CP

CRS 12903 Grade 9 CR 1 S 1 block

This course offers an in depth introduction to Earth and Physical Science. Topics of study will include scientific practices, Geology, Meteorology, Astronomy, Matter, Energy, Motion and Forces. Emphasis is placed on developing ideas and skills that will be useful in later science courses and everyday life experiences.

INTEGRATED FRESHMEN SCIENCE H

CRS 12904 Grade 9 CR 1 S 1 block

This course offers a rigorous introduction to Earth and Physical Science. Topics of study will include scientific practices, Geology, Meteorology, Astronomy, Matter, Energy, Motion and Forces. Emphasis is placed on developing ideas and skills that will be useful in later science courses and everyday life experiences. A research paper is a large component of this class.

INTERNATIONAL FOODS

CRS 06235 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Must pass Exploring Foods or Cooking for Singles with C or better or permission from instructor.

In this course students will expand their culinary horizons by discovering the foods of different countries and investigating the diverse cooking regions of our own country.

INTRODUCTION TO COMPUTERS

CRS 07247 Grade 9-12 CR 1/2 Q 1 block

In Introduction to Computers we will explore the exciting world of computer technology. We will learn to assemble a computer and load the necessary software to make the computer operate. We will also explore the worlds of PC repair, web page design and networking. The course will be taught using hands-on projects, computer simulations, research projects and laboratory experiments. *Note: This course counts as 1/2 of a science credit.*

INTRODUCTION TO FOODS

CRS 06238 Grade 9-10 CR 1/2 Q 1 block

This course focuses on the fundamental cooking techniques. While cooking, you will learn proper measuring skills, knife handling techniques, kitchen safety and sanitation, and basic cooking methods. This class is recommended for anyone interested in pursuing Culinary Arts as a career. This class is only open to freshman and sophomores.

INTRODUCTION TO MUSIC TECHNOLOGY

CRS 10355 Grade 9-12 CR 1/2 Q 1 block

This course explores the history and impact of music technology. Topics covered in this course will include: history of music technology, sound system basics, MIDI (Musical Instrument Digital Interface), exploration of notation programs (Finale 2002), Sequencing programs (Cakewalk, Home Studio 2002), and Educational Aids. Knowledge of how to read music is helpful, but not necessary. Students will create a personal musical composition and record their song as a major class project. Students will explore many different types of music software and will be encouraged to create and experiment with techniques used in producing recordings. *Note: This course will fulfill the State of New Hampshire graduation requirement for 1/2 credit in fine arts.*

INTRODUCTION TO TELEVISION PRODUCTION

CRS 10360 Grade 9-12 CR 1/2 Q 1 block

This course is a quarter course that is offered for students who have an interest in the field of television production and media integration. In this hands-on course, students will experience first hand the everchanging technology in the field of television production. Students will learn the basics of video and television production:

camcorder and studio camera use, interviewing techniques story boarding, digital non-linear editing, using the Casablanca Avio editing system, audio and video mixing, and post production. Students will also learn the importance of media literacy in our society. This course requires some after school and evening participation, as students will participate in field production crews covering special live events for future broadcast. Some of the productions may appear on the inter-school TV network, as well as Metrocast Channel 12.

LABORATORY SCIENCE TECHNOLOGY

CRS 12396 Grades 11-12 CR 1 S 1 block

PREREQUISITES: Biology, Physical Science or Earth Science

Students focus on learning lab skills used in the fields of medicine, environmental science, forensics, and biotechnology. Topics to be studied include proper use of the microscope, growing and identifying bacteria, environmental sampling and analysis, basic forensic techniques, DNA isolation and DNA fingerprinting. Students will be expected to do library research on issues related to these techniques.

LATIN 1 CP

CRS 05204 Grades 9-12 CR 1 S 1 block

The goals for the first year study of Latin are to teach the forms and syntax necessary to understand Latin literature and to prepare students to read selected exercises and stories related to Roman legend, history and culture.

LATIN 2 CP

CRS 05205 Grades 9-12 CR 1 S 1 block

PREREQUISITE: Latin 1

Latin 2 begins with a thorough review of the grammar learned in Latin 1. The students will study pronouns, comparison of adjectives and adverbs, infinitives, and indirect statements. The practical use of this syntax is seen in the translation of the readings after each unit. The study of Roman history, legend, and culture continues in the course.

LATIN 3 HONORS

CRS 05213 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Latin 2

This course will present students with a rich variety of both syntax and further Latin readings. Students will expand their reading of various Roman authors and will be provided the opportunity to understand and enjoy more advanced study of the language and the people who spoke Latin.

LATIN 4 HONORS

CRS 05214 Grade 11-12 CR 1 S 1 block

PREREQUISITE: Latin 3

Latin 4 is a continuation of Latin 3.

MACHINE TOOL TECHNOLOGY 1

CRS 07254 Grades 9-12 CR 1/2 Q 1 block

Students explore industrial-technical careers and their entrance requirements through problem-solving activities in the machine tool area. Topics covered include: precision measuring tools, materials and processes associated with metals, and computer aided design and manufacturing (CAD/CAM). Safety instruction related to the proper use and care of hand and power driven tools is emphasized.

MACHINE TOOL TECHNOLOGY 2

CRS 07255 Grades 10-12 CR 1 S 1 block

PREREQUISITE: C in Machine Tool Technology 1.

Students will receive an in depth study of machine tools (lathe, milling machine, grinding machine, and computer manufacturing (CAM). Also included will be the study of

hot metals and gas and electric welding. Students will choose and manufacture their own products. Safety instruction related to the proper use of equipment and methods will be emphasized.

MACHINE TOOL TRADES 1

CRS 14529 Grade 11 CR 2 Y block/year

The Machine Tool Technology program is a hands-on program that provides students with an opportunity to learn basic machinery techniques and to develop the skills needed to enter the many career related fields. Students learn to care for, set-up and operate drills, lathes, milling machines and grinding machines. They learn precision measuring and cutting. Students also learn to operate computerized lathes and milling machines.

MACHINE TOOL TRADES 2

CRS 14530 Grade 12 CR 2 Y block/year

PREREQUISITE: Must pass Machine Tool Trades 1 before taking Machine Tool Trades 2.

The Machine Tool Technology program is a hands-on program that provides students with an opportunity to learn basic machinery techniques and to develop the skills needed to enter the many career related fields. During the second year students work with the surface grinder, tool and cutting grinder and cylindrical grinder. Students also work with and learn more about the many different types of metal used in the machine trades area and the heat treatment of these metals. This program provides more advanced study of areas covered in Machine Tool Trades 1, and it exposes students to Numerical Control (NC) and Computerized Numerical Control (CNC) operation and equipment.

MARKETING CP

CRS 02143 Grades 11-12 CR 1 S 1 block

This course will examine the various roles government plays in our free enterprise system. Students will diagram the channels of distribution for consumer and industrial products. Standard business practices involved in importing and exporting products will be discussed. Students will develop an organized business plan, provide details related to goods and services to be offered, and create a marketing plan. *Note: This course fulfills the State of NH requirement for economics. Note: This is a Running Start Course and students can receive college credit see page 38.*

MARKETING EDUCATION 1

CRS 14531 Grade 11 CR 2 Y block/year

Location: Somersworth

PREREQUISITE: Application required.

Marketing introduces students to the world of retailing and fashion merchandising and provides them with experiences in the distribution of goods and services. Study areas include: economics, human relations, advertising and displaying, buying and selling merchandise. The second year of Marketing provides in-depth study of displaying, advertising, layout, merchandising and the organization and operation of a business. It helps students gain experience in retailing, wholesaling and service businesses. Students share responsibility of the store and directly apply skills they have learned in the classroom. Cooperative Education is an important component of the program. *Note: This course fulfills the State of NH requirement for economics.*

MARKETING EDUCATION 2

CRS 14532 Grade 12 CR 2 Y block/year

Location: Somersworth

PREREQUISITE: Application required, and successful completion of Marketing Education 1.

Marketing introduces students to the world of retailing and fashion merchandising and provides them with experiences in the distribution of goods and services. Study

areas include: economics, human relations, advertising and displaying, buying and selling merchandise. The second year of Marketing provides in-depth study of displaying, advertising, layout, merchandising and the organization and operation of a business. It helps students gain experience in retailing, wholesaling and service businesses. Students share responsibility of the store and directly apply skills they have learned in the classroom. Cooperative Education is an important component of the program.

MATH CONNECTIONS 1-A

CRS 08307 Grades 9-12 CR 1 S 1 block
Prerequisite: 8th grade math teacher or Fundamental Math teacher recommendation.

A Standards Based approach which connects experiences with mathematics and relates these experiences to everyday life. Course 1-A begins and ends with data analysis. Students will utilize the linear regression feature of a graphing calculator to forecast after first mastering the algebra of first degree equations and the coordinate geometry of the straight line. *Note: Students that successfully complete Math Connections 1-A and 1-B will have covered the concepts of Algebra 1.*

MATH CONNECTIONS 1-B

CRS 08304 Grades 9-12 CR 1 S 1 block
Prerequisite: Passing grade in Math Connections 1-A.

A Standards Based approach which connects experiences with mathematics and relates these experiences to everyday life. This course expands on the ideas learned in course 1-A. Students learn to solve linear equations in two unknowns. Functional relationships in everyday life are linked with algebra, coordinate geometry, discrete math and probability. *Note: Students that successfully complete Math Connections 1-A and 1-B will have covered the concepts of Algebra 1.*

MATH CONNECTIONS 2-A

CRS 08321 Grades 10-12 CR 1 S 1 block
Prerequisite: Passing grade in Math Connections 1-B.

A Standards Based approach which connects experiences with mathematics and relates these experiences to everyday life. Algebraic ideas from course 1-A and 1-B are elaborated by using geometric interpretations. Similarity, angular measure and right triangle trigonometry are explored. *Note: Students that successfully complete Math Connections 2-A and 2-B will have covered the concepts of Geometry.*

MATH CONNECTIONS 2-B

CRS 08322 Grades 10-12 CR 1 S 1 block
Prerequisite: Passing grade in Math Connections 2-A.

A Standards Based approach which connects experiences with mathematics and relates these experiences to everyday life. Circles and spatial relationships are expanded to three dimensions. Coordinate geometry is used to connect the spatial world to tools of Algebra. Matrices are introduced as a tool for solving systems of equations as well as a convenient vehicle for storing, organizing and manipulating information. *Note: Students that successfully complete Math Connections 2-A and 2-B will have covered the concepts of Geometry.*

MATH CONNECTIONS 3-A

CRS 08329 Grade 11-12 CR 1 S 1 block
PREREQUISITE: Passing grade in Math Connections 2B

Students that successfully complete Math Connections 3A will have covered concepts of Algebra 2 and trigonometry. A Standards Based approach which connects experiences with mathematics and relates these experiences to everyday life. Topics include algebraic functions, transfor-

mations and inverses; exponential and logarithmic functions; trigonometric functions; counting and probability.

MICROBIOLOGY/BIOTECHNOLOGY CP

CRS 12368 Grades 11-12 CR 1 S 1 block
PREREQUISITE: Biology and permission of Instructor.

This course will be an overview of the microbiology and biotechnology techniques commonly used in, medicine, industry and forensics today. Topics and techniques included will be: The isolation and identification of bacteria and how bacteria cause disease. How the immune system works and how we use antibodies to detect disease. DNA structure and function, DNA isolation, DNA fingerprinting, and how DNA is used in forensics. We will also discuss the use of biotechnology in industry, agriculture, and medicine. This course would be useful for students planning on careers in health care, forensics, or biotechnology. The Project Running Start coordinator will visit Spaulding to officially register the class at the beginning of the semester. A non-refundable fee of \$ 100.00 is due at this time. Students must achieve a C average or better to transfer the credit to a school within the university system or to a private or out-of-state college/university. **Note: This is a Running Start Course and students can receive college credit see page 38.**

MODERN WORLD HISTORY CP

CRS 13398 Grades 9-12 CR 1 S 1 block
PREREQUISITE: C or better in a top 8th grade English and history and/or teacher recommendation.

This course is intended for college preparatory students who have demonstrated above average ability and achievement in history. It is a course consisting of the study of humankind's political, cultural, and social institutions, beginning with the Renaissance and progressing up to the 21st century. Students complete extensive work developing skills in research, writing, map interpretation and vocabulary. Class requirements include one research project, one class presentation and one independent project. *Note: This class will fulfill the Global Studies requirement for graduation for the class of 2009 and beyond.*

MONEY & BANKING

CRS 07266 Grades 10-11 CR 1/2 Q 1 block

This course presents a survey of principles and practices of banking and financial systems in the United States. Students will learn about the major functions of banks and other financial institutions, procedures, and in-house daily operations, central banking systems through the Federal Reserve, and the history of the US banking industry. An overview of loan creation, debt collection, and credit functions will be presented. (Meets the NAF requirement for the Academy of Finance).

MUSIC APPRECIATION

CRS 10353 Grades 9-12 CR 1/2 Q 1 block

This course provides students with an overview of musical styles. Topics include: Music Around You, Notation, Instruments of the Orchestra, Mozart and Classical Times, American Composers, Jazz and Blues, American Music Theatre, Music Careers, Decade Research Projects, the Beatles, and the history of rock. Class lessons are presented in a variety of styles through video presentations, research projects, listening projects and theme based units. Prior musical experience is not necessary to participate in this class. *Note: This Music course will fulfill the State of New Hampshire graduation requirement for 1/2 credit in fine arts.*

MUSIC OF THE DECADES

CRS 10364 Grades 9-12 CR 1/2 Q 1 block

This course is a study of the decades including 1900-

2000. Each ten year period will be explored through the history of the time period, the music of the time period, the dances of the time period and overall events of the times. When we study the 60's, we will learn about the Beatles, the assassination of JFK, the Vietnam War and how all of the events of this time were reflected in the musicians and the music they wrote. The Century written by Peter Jennings will be used in this class as a basis for understanding the past 100 years.

MUSICAL INSTRUMENT LAB

CRS 10370 Grades 9-12 CR 1/2 Q 1 block

This course will provide students with hands on opportunities to explore the four families of musical instruments. Students will learn to perform on instruments from the string family through study of the guitar, the woodwind family through study of the saxophone, the brass family through the study of the trumpet, the percussion family through the drums and electronic keyboards. Some knowledge of reading music is helpful and all students will be expected to participate in learning to become performing musicians in a classroom and concert setting. Previous experience playing at least one instrument is necessary to participate in this class.

NEWSWRITING AND PHOTOGRAPHY

CRS 03177 Grades 10-12 CR 1 S 1 block
PREREQUISITE: B- in English, and permission of instructor.

Students develop knowledge in journalism, photography, and darkroom processing. Though writing is the major focus, students with an interest in photography and/or darkroom techniques are encouraged to enroll. Strong basic English skills including grammar, punctuation and paragraph structure are essential. A newspaper will be produced in this class.

NUTRITION, HEALTH AND SAFETY SKILLS

CRS 15470 Grades 9-10 CR 1 Y mini block

This course emphasizes various aspects of foods, hygiene, and general health care. Students are actively involved in studying home and travel safety, first-aid, emergencies, cooking, and diet and meal planning.

PAINTING AND DRAWING

CRS 01115 Grades 10-12 CR 1 S 1 block
PREREQUISITE: Art 1

Advanced drawing and painting skills are expected of students who enroll in this course. This course may cover still-life, landscape, figure and portrait drawing with pencil, ink, conte, watercolor, pastels and acrylics. Students are expected to develop original ideas and to do homework



regularly.

PERSONAL FINANCE

CRS 02136 Grades 10-12 CR 1/2 Q 1 block

This course introduces students to the process of planning and managing their personal finances. Real-world applications in money management, consumer credit, investing, tax strategies, home, vehicle, health, disability, and life insurance will be presented. An overview of the importance of long-term financial preparation will be analyzed through case studies.

PERSONAL FITNESS

CRS 11366 Grades 10-12 CR 1/2 Q 1 block

Prerequisite: Freshman PE credit.

Personal Fitness is designed to take the student through a comprehensive fitness unit. Students will learn how to maintain a healthy lifestyle by participating in a daily walking program in combination with a muscular strength and endurance program. A classroom component will cover a variety of topics to assist the student in their quest for lifetime wellness. Students will learn how to analyze body composition, how to properly warm-up and cool down, the relationship between diet, exercise, and weight control, good nutritional practices, the effects of stress on health, and how to develop personal fitness plans. Students will learn that moderate daily exercise, in combination with a healthy diet is necessary in maintaining a healthy lifestyle.

PHOTOGRAPHY B & W AND COLOR DIGITAL

CRS 07263 Grades 10-12 CR 1/2 Q 1 block

Students will be introduced to the operation of the 35mm camera, light meters, telephoto and wide angle lenses, developing black and white film and enlarging black and white negatives. Color digital camera photography will be introduced along with computer assisted digital manipulation, touch-up, and the art of morphing images. There will be a series of teacher assigned topics and themes in which students will demonstrate their skill and creativity. A portfolio of the student's work is developed and presented. Possible career opportunities are also investigated.

PHYSICAL SCIENCE AT

CRS 12376 Grade 10 CR 1 S 1 block

This course introduces and reinforces the scientific principles involved in the study of Physics and chemistry. Emphasis is placed on problem solving skills and topics that are related to everyday life experiences. Students are expected to participate in laboratory procedures and demonstrations. *Note: Students who have passed physics or chemistry may not take physical science.*

PHYSICAL SCIENCE CP

CRS 12369 Grade 10 CR 1 S 1 block

PREREQUISITE: C or better in algebra IA and a B or better in 8th. Grade science.

This course is designed for students desiring a rigorous introduction to the study of science. Topics studied include but are not limited to motion, light, electricity, matter, energy, chemical reactions. This course is recommended for student planning on continuing their study of CP chemistry and CP physics in high school. *Note: Students who have passed physics or chemistry may not take physical science.*

PHYSICS AT

CRS 12388 Grade 12 CR 1 S 1 block

PREREQUISITE: "C" in Basic Algebra 2 AT

Basic Physics provides students with opportunities to understand the fundamental laws basic to all sciences. This involves an examination of the relationship between matter and energy and its effect on persons' everyday lives. This course provides an excellent science base for

students planning to attend technical and vocational schools. Physics laboratory exercises are supplemented with practical problem solving activities requiring fundamental mathematics.

PHYSICS CP-MECHANICS

CRS 12387 Grade 12 CR 1 S 1 block

PREREQUISITE: C in Algebra 2 CP

Physics offers students an opportunity to apply mathematics practically and theoretically while gaining knowledge of the natural laws which govern the universe. A problem-solving approach in laboratory experiences is used to complement classroom discussion on matter and energy and the relationships between the two. The topics of motion, force, and momentum are addressed and the discoveries of Galileo, Newton, and Einstein are explored. It is strongly recommended that trigonometry be studied concurrently with this course and that students planning to major in science in college take Physics Plus CP as well.

PHYSICS HONORS

CRS 12389 Grade 12 CR 1 S 1 block

PREREQUISITE: C or better in Pre-Calculus Honors.

This course will cover the same topics as Physics CP but with a faster pace and greater depth. Emphasis will be placed on both independent and group projects. It is strongly recommended that students take Physics Plus CP as well.

PRACTICING THE ART OF TEACHING

CRS 16590 Grade 11-12 CR 1/2 Q 1block

PREREQUISITE: Completion of course 1 "Exploring the Art of Teaching" with a grade of "B" or better.

This is the second course for SHS's Future Educators Academy. Course topics include the history of American education, introduction to exceptionalities, classroom observations, planning, preparing, and teaching. Students will create and maintain a professional portfolio that will be a resource for their career in education. *Note: This is a Running Start Course and students completing both Exploring the Art of Teaching and Practicing the Art of Teaching can receive college credit see page38.*

PSYCHOLOGY/SOCIOLOGY AT

CRS 13201 Grades 11-12 CR 1 S 1 block

Students are given the opportunity to develop more effective understanding of the goals of psychology, the ways people behave and interact, where attitudes come from, social influences and their adjustment to society. These topics will be studied with reference to concrete experiences relevant to today's students. The second half of this course is a study of social experiences and human relationships. Considerable emphasis is placed upon issues, which affect individuals outside of the classroom, including potential problem areas such as marriage and divorce and crime and juvenile delinquency.

PSYCHOLOGY/SOCIOLOGY CP

CRS 13200 Grades 11-12 CR 1 S 1 block

This is a fast-paced course with challenging exams and projects. The course is intended for the college-bound student who has a desire to study the uniqueness and complexities of human thought and behavior. Some of the topics discussed will be an introduction to the topic of, the study of consciousness, thinking, problem solving, the nature of intelligence, motivation and emotion. The second half of this course is a fast-paced examination of many of the fundamental areas of sociology with emphasis placed upon individual research. The course helps students achieve a better understanding of the complex society in which they live and it helps them prepare for the challenge of further study in college.

READING AND WRITING CP

CRS 03189 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Teacher recommendation and a writing sample along with instructor's approval (Mr. Power)

This course enables the college preparatory student to read, write and study more efficiently at the high school level and better face the transition into heavy college study loads. The first part of this course focuses on non-fiction writing. Content is emphasized through pre-writing, first draft activities, finding and narrowing subjects, gearing writing to different audiences, sensory perception and use of specific details. The reading section of this course will focus on analysis of nonfiction essays as writing models, developing independent reading skills and improving analytical skills in writing responses to reading.

READING FOR SUCCESS AT

CRS 03182 Grades 9-12 CR 1/2 Q 1 block

The focus of this course is to improve students' basic skills in reading. Instruction will focus on skills such as comprehension, listening, details, main idea and how such skills relate to the school to work transition.

READING FOR SUCCESS CP

CRS 03181 Grades 9-12 CR 1/2 Q 1 block

This course is designed to help good readers become more efficient readers. It will emphasize critical thinking skills, inferential thinking skills and autonomous learning activities.

RELATIONSHIPS

CRS 06236 Grades: 11-12 CR 1/2 Q 1 block

Approach adulthood with a better understanding of how to be a happy, successful adult. This course includes the study of self-esteem, communication, relationships and other related aspects of adult life. The relationship between personal, family, and social issues will be examined through critical thinking projects. Some topics will be chosen by students.

RESTAURANT CAREERS 1

CRS 14300 Grade 11 CR 2 Y block/year

The Restaurant Careers Program will focus on providing entry-level skills in the food and restaurant industry. Students will learn about safety and sanitation, professional cooking job seeking and keeping skills, and the duties and responsibilities of the chef, prep cook, baker, dishwasher, bus person, host, server and manager. Students will be responsible for the successful management of their Tech cafe. Careers related to food service will be presented from a management perspective.

RESTAURANT CAREERS 2

CRS 14301 Grade 12 CR 2 Y block/year

This course is a continuation of Restaurant Careers 1. Students will continue to be responsible for the successful management of the Tech Cafe. They will use and improve upon the skills they learned in the first year including food preparation and management procedures. They will plan menus, prepare and serve lunch entrees and a variety of food items such as breads, soups, stews, and pastries. Students will also learn how to run their own successful restaurant through a year long project designing a restaurant from the budgeting, employee training and customer relations.

ROBOTICS 1

CRS 14550 Grade 11 CR 2 Y block/year

Location: Somersworth

PREREQUISITE: Application required.

This course introduces students to computer integrated manufacturing systems (Robotics). It combines computer knowledge with different manufacturing processes of

today. Topics to be taught include: electricity, hydraulics, pneumatics, mechanical systems, CAD/CAM, CNC and robots. Students determine and measure system performance and make necessary adjustments and/or repairs while designing their own flexible manufacturing work cell. Robotics 2 students continue this study with emphasis on career goals.

ROBOTICS 2

CRS 14555 Grade 12 CR 2 Y block/year
Location: Somersworth

PREREQUISITE: Application required, and successful completion of Robotics 1.

This course introduces students to computer integrated manufacturing systems (Robotics). It combines computer knowledge with different manufacturing processes of today. Topics to be taught include: electricity, hydraulics, pneumatics, mechanical systems, CAD/CAM, CNC and robots. Students determine and measure system performance and make necessary adjustments and/or repairs while designing their own flexible manufacturing work cell. Robotics 2 students continue this study with emphasis on career goals.

ROTC - AVIATION HISTORY

CRS 12101 Grades 9-12 CR 1 S 1 block

The student is acquainted with the historical development of flight and introduced to the science of flight. The student-cadet is also introduced to basic study skills, test-taking strategies and various "student success" methods. Each student will attend a five-day leadership encampment where they are introduced to drill, customs and courtesies of the service, citizenship and the correct wearing of the U.S. Air Force uniform. Field trips and flight orientations complement classroom work.

ROTC - FLIGHT SCIENCE

CRS 12102 Grades 9-12 CR 1 S 1 block

The student-cadet is acquainted with the aerospace environment and studies the theory of aircraft flight to include the forces acting upon an aircraft, aircraft control and motion and propulsion systems. The student-cadet's introduction to the flight simulator is a required activity and completes, in a practical way, the theory learned in the classroom. A leadership unit complements continued development of communication skills and drill proficiency. Members of this class are required to demonstrate a high level of drill proficiency. Field trips and orientation flights continue as in Aviation History.

ROTC - LEADERSHIP LAB

CRS 12100 Grades 12 CR 1 Y 1 block
PREREQUISITE: Successful completion of Aviation History, Flight Science Space Exploration and Organization and management.

Cadets will work on corps related activities with instructor guidance. Cadets will apply student leadership concepts and team-building activities. This course is optional and only Seniors who want to use their skills to teach the junior class organization and management skills.

ROTC - ORGANIZATION AND MANAGEMENT

CRS 12122 Grade 10-12 CR 1 S 1 block

The cadets manage the Cadet Corps. This hands-on experience affords the cadets the opportunity to put the theories of previous aerospace leadership courses into practice. All the planning, organizing, coordinating, directing, controlling and decision-making will be done by the cadets. They practice their communication, decision-making, personal interaction, managerial and organizational skills. Field trips and flight orientations continue as in previous Aerospace classes.

ROTC - SPACE EXPLORATION

CRS 12123 Grades 10-12 CR 1 S 1 block
PREREQUISITE: Flight Science unless waived by the

Department Chairperson.

The third year discusses the principles of propulsion systems, fundamentals of rocketry and its application to spacecraft, principles of space travel and various aspects of space exploration. The space travel section further discusses the development, use, and future of artificial earth satellites and interplanetary probes. Leadership, drill and life skills training continues in this course. Field trips and flight orientations continue as in Aviation History and Flight Science.

SCULPTURE

CRS 01117 Grades 10-12 CR 1 S 1 block
PREREQUISITE: Art 1

Students who take this course learn to make three-dimensional objects. Sculptural techniques include modeling, carving and construction. Materials used may include wire, plaster and paper mache, etc. Study of historic sculpture and sculptors is introduced when appropriate. Homework is assigned regularly.

SENIOR EXITING SEMINAR 1 CP

CRS 16901 Grade 12 CR 1/2 Q block

This course is designed for seniors who are preparing to attain a 4-year college degree or higher. The seniors in this section will narrow their college choices, prepare for college interviews, write three college essays, finalize a minimum of three college applications, research scholarships and career options, and prepare a portfolio for presentation. Students enrolled in this program should have taken their SAT's at least once prior to entering this program. This class is particularly helpful for students applying for early action or early decision.

SENIOR EXITING SEMINAR 2 CP

CRS 16902 Grade 12 CR 1/2 Q 1 block

This course is designed for seniors who are preparing to apply to a 4-year college or a 2 + 2 program after graduation. Seniors in this section will narrow their college choices, prepare for college interviews, write three college essays, finalize a minimum of three college applications, research scholarships and career options, and prepare a portfolio for presentation. Students taking this course should have already taken their SAT's once or be signed up to take them no later than November.

SENIOR EXITING SEMINAR 3

CRS 16903 Grade 12 CR 1/2 Q 1 block

This course is designed primarily for seniors who intend to apply to a 2-year college with rolling admissions or technical college, or who are planning direct entry into the workforce. Students will participate in the following activities: explore career options, set short-term and long-term goals, identify marketable skills, research the job market, practice interview skills, prepare job and college applications, prepare a cover letter, complete a resume, and prepare a portfolio for presentation.

SENIOR EXITING SEMINAR 4

CRS 16904 Grade 12 CR 1/2 Q 1 block

This course is designed for seniors who are planning direct entry into the workforce. This course will include the same information as in Senior Seminar 3. In addition, training and apprenticeship programs will be encouraged.

SMALL ENGINE POWER TECHNOLOGY 1

CRS 07256 Grades 9-12 CR 1/2 Q 1 block
Students will learn the fundamentals and operation of two and four cycle engines. They work on their own engines or choose to work on a lab engine. Instruction is given in the operation of engine electrical systems and oil, carburetion, mechanical principles, differences in design, preventative maintenance and troubleshooting and consumer

awareness on how to purchase new and used ATVs, chain saws, lawn mowers, motorcycles, snowmobiles, and other power equipment.

SPANISH 1 CP

CRS 05207 Grades 9-12 CR 1 S 1 block

It is assumed that Spanish 1 students have not studied Spanish previously. Emphasis is placed on beginning grammar, speaking, reading and writing. The goals of this course are to prepare students for the more advanced second year Spanish.

SPANISH 2 CP

CRS 05208 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Spanish 1

This course offers students the opportunity to develop further skills in listening, writing, speaking, and reading Spanish. Much emphasis is placed on learning to speak in many tenses. Students are exposed to listening tapes as well as to video movies in Spanish.

SPANISH 3 HONORS

CRS 05209 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Spanish 2

In this course, emphasis is placed on continuing to develop language skills through activities that focus on meaningful, personal communication. Students learn to express their ideas, feelings and opinions in natural everyday settings. As they learn to communicate more proficiently in Spanish, they learn more about the culture of the people who speak Spanish.

SPANISH 4 HONORS

CRS 05210 Grade 10-12 CR 1 S 1 block

PREREQUISITE: Spanish 3

The primary focus of this course is to develop proficient communication in an expanded Spanish environment of a semester long block. Language skills are developed through the reading of short stories and the expansion of grammatical principles. Cultural aspects are introduced. Emphasis is placed on communication and comprehension. Classes for the most part are conducted in Spanish.

SPANISH 5 HONORS

CRS 05212 Grade 12 CR 1 S 1 block

PREREQUISITE: Spanish 4 Honors

Spanish 5 is a continuation of Spanish 4.

SPORTS MEDICINE

CRS 11363 Grade 10-12 CR 1/2 Q 1 block

PREREQUISITE: Freshmen P.E. credit and permission of instructor. "C" or better in Biology.

Sports medicine will incorporate a variety of topics including first aid, athletic training and fitness fundamentals. The skeletal and muscular systems will be covered in-depth to provide a solid foundation for the understanding of preventing and caring for sports injuries.

TEAM GAMES

CRS 11365 Grade 10-12 CR 1/2 Q 1 block

PREREQUISITE: 80 or better in Freshmen P.E.

Students will participate in a variety of popular team sports with the focus on improving game skill, strategies, teamwork, officiating skills, and playing the "total" game. It is anticipated that after playing at this level, students will have the ability and desire for participation in recreational games throughout their lives. Activities may include soccer, volleyball, basketball, softball, or miscellaneous games.

THEATRE 1

CRS 10359 Grade 9-12 CR 1/2 Q 1 block

This course is designed for students interested in the field of theater. Students will learn about all aspects of theater including acting, speaking, music, choreography, set design, technical effects, lighting, make-up, costuming, auditions, directing, staging and blocking. Students will

explore improvisation, building a character, preparing monologues and stage movement through individual and group projects. Prior experience in the theater is not necessary to participate in this class. *Note: This course will fulfill the State of New Hampshire graduation requirement for 1/2 credit in fine arts.*

THEATRE 2

CRS 10372 Grade 10-12 CR 1/2 Q 1 block
Prerequisite: Permission of instructor and completion of Theatre 1.

This course is designed for students interested in the field of theatre who have a strong desire to work on advanced level plays, comedies, improvisation and challenging theatrical projects. Students will prepare monologues, audition materials for college majors, technical plot books, set and costume designs and musical scores. Serious students are welcome to prepare for possible career majors in the field of theatre.

TRAVEL AND TOURISM

CRS 02135 Grade 11-12 CR 1 S 1 block

The main focus of this class explores the reasons why people travel and the related careers in the travel industry. Current events affecting travel will be researched through magazines, newspapers, and the Internet. Students will plan and develop a two-week International Travel Portfolio during this course. Video presentations of different world cultures and the social interaction within them are used to enhance student learning. Students will also view different marketing media used to promote the travel industry.

TRIGONOMETRY AT

CRS 08311 Grade 12 CR 1 S 1 block
PREREQUISITE: C in Algebra 2 AT or passing grade in Algebra 2 CP.

This course is an informal approach to Trigonometry. Topics include: definition of trig functions, applications with right and oblique triangles, rectangular and polar graphs, identities, inverse functions, trig equations, and complex numbers. *Note: Trigonometry AT does not prepare students for Calculus. Students intending to elect Calculus in college are urged to elect Trigonometry CP and Advanced Math CP.*

TRIGONOMETRY CP

CRS 08326 Grade 11, 12 CR 1 S 1 block
PREREQUISITE: C+ average in Algebra 2 CP or recommendation of the Algebra 2 AT teacher.

This course stresses a functions approach and the use of graphing calculators. Topics include: definitions, identities, equations, graphs, applications, inverse functions, functions of several angles, law of sines, law of cosines, polar coordinates and graphs, trig form of complex numbers and DeMoivre's Theorem. *Note: Students planning on a math-related career or who plan on taking Calculus in college are urged to elect both Trigonometry CP and Advanced Math CP. Students planning to take Calculus CP Running Start must elect this course in their junior year.*

TRIGONOMETRY H

CRS 08331 Grade 11-12 CR 1 S 1 block
PREREQUISITE: C average in Algebra 2 Honors or recommendation of the Algebra 2 CP teacher.

This course stresses a functions approach and the use of graphing calculators. Topics include: definitions, identities, equations, graphs, applications, inverse functions, law of sines, and law of cosines. Additional topics include trig form of complex numbers, DeMoivre's Theorem and vectors

US HISTORY AP

CRS 13404 Grade 11 CR 2 Y 2 blocks

PREREQUISITE: Recommendation of sophomore English (Honors or College Prep) teacher previous high school history teacher (if applicable) and approval of the Advanced Placement history teacher.

This course is a nationally standardized course for advanced students. Some students may earn credit for college history after having completed this course. This fast-paced overview of U.S. history is designed to stimulate and challenge students who are particularly interested in history. The course examines the causes and effects of historical events and the social conditions of the last three centuries. Completion of summer assignments is required. The assignments must be picked up before the end of the previous school year. Outside reading, research projects each quarter and participation in class discussion of historical and current events is mandatory. The course culminates with the Advanced Placement United States History Exam, taken at students' expense.

US HISTORY 1

CRS 13422 Grade 11-12 CR 1 S 1 block
PREREQUISITE: This is a single section course designed for students in the classes of 2007 and 2008 who have not yet earned the US History 1 credit and do not qualify for Plato, E Block or summer school.

The students will trace the history of the U.S. from colonization to its emergence as a world power at the dawn of the twentieth century. Historical events are studied in relationship to contemporary lifestyles and problems.

US HISTORY 2 AT

CRS 13424 Grade 11 CR 1 S 1 block

This course surveys U.S. History from reconstruction after the Civil War to the present day. It emphasizes economics, domestic and foreign policy problems which continue to have an impact on contemporary America. The students are made aware of the change from isolationism to internationalism. Historical events are studied in relationship to contemporary lifestyles and problems.

US HISTORY 2 CP

CRS 13423 Grade 11 CR 1 S 1 block

This course surveys U.S. History from reconstruction after the Civil War to the present day. It emphasizes economics, domestic and foreign policy problems which continue to have an impact on contemporary America. The students are made aware of the change from isolationism to internationalism. Term papers and essays are required.

WEBPAGE DESIGN 1 - INTRO TO HTML

CRS 02132 Grades 10-12 CR 1/2 Q 1 block
PREREQUISITE: Final grade of 80 or better in Word Processing or Microsoft Office, or Computer Software Applications.

This course will cover basic topics relating to the Internet. Students will learn the fundamentals of HTML (Hyper Text Markup Language), the programming language used to create Web Pages. Web pages will be created with a text editor to include inserting hyperlinks and images. Upon completion of the course, each student will have a published website.

WEBPAGE DESIGN 2 - ADVANCED HTML

CRS 02121 Grades 10-12 CR 1/2 Q 1 block
PREREQUISITE: Final grade of 80 or better in WebPage Design 1 - Intro to HTML, and teacher recommendation.

This course will cover advanced HTML features including forms and image maps. Other topics will include JavaScript, XML, and other development/editing tools.

Students will have an opportunity to develop and/or maintain "real" websites for a variety of "clients".

WOODWORKING TECHNOLOGY 1

CRS 07257 Grades 9-12 CR 1/2 Q 1 block

Students are introduced to woodworking through a highly motivating hands-on approach. Problem-solving skills through individual and group activities associated with planning, design, layout, and manufacturing of wood products are used. Consumer and environmental issues are discussed and career opportunities are explored. Safety instruction related to the proper use and care of hand and power tools is emphasized in this course. After all, the best way to learn about wood is to work with wood.

WOODWORKING TECHNOLOGY 2

CRS 07258 Grades 10-12 CR 1 S 1 block
PREREQUISITE: Woodworking Technology 1

Students will use their previously acquired problem-solving skills to construct and finish one furniture type project and several gallery quality lathe projects. Quality construction is emphasized as students use advanced joinery, assembly, and finishing techniques. Another topic of interest will include the basics of building construction and building codes. Safety instruction related to the proper use and care of hand and power driven tools is reinforced and career opportunities are explored in this course. This course would also be recommended for students interested in Vocational Construction Trades Programs.

WOODWORKING TECHNOLOGY 3

CRS 07259 Grades 11-12 CR 1 S 1 block
PREREQUISITE: Woodworking Technology 2

This course is open to all students who are interested in furthering their woodworking knowledge. The emphasis is placed on furniture design and the study of various styles of period furniture. Special attention will be given to precision joinery, fabrication and finishing methods. The student will construct a gallery quality cabinet project and/or restore an antique piece of furniture to gallery standards. Studies will center around adhesives, abrasives, furniture strippers, putties, fillers, stains, top coats and veneers. Lathe work will be included. Of course, safety instruction related to equipment and materials handling will be utilized.

WRITING SKILLS READING SKILLS

CRS 15301 Grades 9-12 CR 1 Y mini block

This course is designed to meet written communication needs. Focus is on personal letter writing, grammar, punctuation and basic sentence development. Responding to bills, filling out applications and various other forms is stressed.

YEARBOOK

CRS 03176 Grades 10-12 CR 1 S 1 block
PREREQUISITE: B or better in English Instructor approval: see Mrs. Ridley for an application.

Students enrolled in this course will develop a knowledge and understanding of the many aspects of producing the SHS Triangle. Students will be expected to sell ads, keep accurate records, gather factual information, design computer layouts, edit copy, etc. (Class size is limited to 20 per semester.)

Your Four Year Plan

Name: _____

Plans after graduation (please check one)

- ___ four year college or university
- ___ two year college or community/technical school
- ___ military training
- ___ on-the-job training or apprenticeship
- ___ immediate employment

Tentative occupational goals:

1st Choice _____

2nd Choice _____

Please use this sheet to list the courses you have taken and/or will need to take during your four years of high school. Your selections must reflect Spaulding High School graduation requirements as well as the admission requirements for any post-secondary education or employment in which you might be interested. Be sure to use the Program of Studies book as well as your guidance counselor, teachers, and parents to make your choices as accurate as possible. It is expected that changes will be made to this plan throughout your high school career. Computer education and art requirements are not listed below but must be met for graduation.

Freshman Academy - Grade 9		
1)	English	1 credit
2)	Math	1 or 2 credits
3)	Physical Education	1 credit
4)	Science	1 credit
5)	Health	.5 credit
6)	Civics	.5 credit
7)	Global Studies	.5 credit
8)	_____	_____
9)	_____	_____
10)	_____	_____
11)	_____	_____
12)	_____	_____
Total		_____
Total must equal		8 credits

Sophomore Year Grade 10		
1)	English	1 credit
2)	Math	1 or 2 credits
3)	Biology*	1 credit
4)	Economics AT	.5 credit
5)	_____	_____
6)	_____	_____
7)	_____	_____
8)	_____	_____
9)	_____	_____
10)	_____	_____
11)	_____	_____
* (may vary for Honors Level students)		
Total		_____
Total must equal		8 credits

Junior Year Grade 11		
1)	English	1 credit
2)	United States History 2*	1 credit
3)	Economics CP** or Econ. AT or Marketing or (AP Economics = 2 credits)	1 credit
4)	Science	1 credit
5)	Math***	1 credit
6)	_____	_____
7)	_____	_____
8)	_____	_____
9)	_____	_____
10)	_____	_____
* (or AP History - 2 credits)		
** (If .5 Economics credit is not taken in grade 10)		
***(If 3rd Math credit needed)		
Total		_____
Total must equal		8 credits

Senior Year Grade 12		
1)	English	1 credit
2)	_____	_____
3)	_____	_____
4)	_____	_____
5)	_____	_____
6)	_____	_____
7)	_____	_____
8)	_____	_____
9)	_____	_____
10)	_____	_____
11)	_____	_____
12)	_____	_____
Total		_____
Total must equal		6 - 8 credits

General Information & Support Services

Library Media Center

The mission of the library media center is to facilitate the education of students for lifelong learning. In this information rich world, it is essential that all students and adults become effective users of information. To accomplish this, the library media program is designed to provide them with the lifelong skills of locating, analyzing, evaluating, interpreting, and communicating information. This focus on the development of skills, rather than on simply providing information, shapes the learning and outcomes that students' experience through the library media center.

Research skills are enhanced through the use of a variety of information sources including Athena, the electronic catalog of the library's collection, EbscoHost, an online subscription providing access to magazines and newspapers, Online encyclopedia subscriptions from Grolier, CD-ROM resources, local area network (LAN) resources, and Internet resources. The media collection is comprised of over 17,500 titles, including 2,300 reference titles, 50 magazine titles, and over 900 audiovisual titles. Learning experiences are planned and provided cooperatively by the library staff and teachers to most effectively utilize these resources.

Equipment available through the library media center for student and faculty use includes: twenty networked pc's, one digital scanner, one photocopier, two networked black and white printers, one color printer, one camcorder with tripod and wireless microphone, one digital camcorder, two VCR's with television set up for taping/production, six televisions with VCR's, and DVD's on carts, two LCD projectors, one large screen television with scan converter, tape players, CD players, numerous overhead projectors, and a laminating machine.

The library media center can accommodate up to eighty students at one time, and is open from 7:00 to 2:30 most school days. All students are welcome, with passes being required during the hours that classes are in session (7:30 - 2:15).

Career Support Center

The Career Support Center provides a wide variety of services that every student can take advantage of. It is open during the school day and students can come in during their study halls, lunch, and by teacher arrangement.

Bridges/Choices Planner: An internet based career information site that can be used in school, home, or any place where there is an internet connection. This program will help prepare students for college and the world of work. Assessments and surveys identify student's skills, interests and values to help them learn more about themselves. Comprehensive college and career reports show school-to-major-to-career connections. Bridges/Choices Planner contains over 650 major occupations and another 2000 specialty occupations; over 6500 colleges; and over 2000 sources of financial aid. Dynamic portfolios are used by the students to support their exploration and planning.

Internet: There is supervised Internet access available in the Career Support Center. Students can seek information about employment opportunities, post-secondary education, and research for term papers and assignments.

Work-Based Learning Office: This office, located in the Career Support Center, conducts our Pathways-to-Success initiative to bridge the gaps between school and work. In some cases, students may qualify to participate in activities categorized below:

- School-based: Career Day, Guest Speakers, and Academic/Vocational Learning Activities(resumes, cover letters, and interview skills)
- Work-based: Industry Tours, Internships, Apprenticeships, Job Shadows, and Informational Interviews.

Students or teachers may initiate activities such as Job Shadows, Internships, and Registered Youth Apprenticeships. These on-work-site experiences are designed to launch students into a career field that they are considering.

Running Start

The New Hampshire Running Start Program is a higher education initiative for high school students to enroll in college courses offered by the N.H. Community Technical College System as well as other colleges and universities at a significant reduction in tuition. The courses earn dual credit, high school and college. The courses are taught by selected Spaulding High faculty who meet or exceed the qualifications of the institution(s) granting credit.

- Advantages: dual credit to meet high school requirements and receive college credit
- College credit can be used to continue study at any 2/4 year N.H. Community Technical College and/or 4 year College of the University of New Hampshire System and other colleges and universities.
- Accelerates the process of higher education
- Minimizes duplication of course content
- Cost reduction a real savings on a college education

For the school year 2006-2007 the following courses are available through Running Start:

Accounting 2 CP	Business Department
Business Mgmt. 2 Human Relations	Business Department
Marketing CP	Business Department
MicroBiology/Biotechnology	Science Department
English 4 College Composition CP.	English Department
Drafting Trades 1&2	Technology Department
Future Educators Academy.....	Technology Department
Calculus Running Start CP.....	Math Department
Early Childhood Education 1 & 2.....	Technology Department
Graphic Trades 1 & 2	Technology Department
Health Science Technology	Technology Department

Students accepted into the Running Start Program are required to pay a nonrefundable fee of \$100.00 to cover college transcript/credit cost.



Health Services

The Nurse's Office provides a wide variety of needs to the student population at Spaulding High School and the Richard W. Creteau Regional Technology Center. Foremost, the nurse oversees student compliance with State of New Hampshire Immunization and Health Laws.

Services include, basic first aid for in-school injuries, initial assessment for students with minor illnesses, provides access to an in-school support group for pregnant/parenting teens, administers Tylenol as needed with written permission from a parent, administers prescription medication as ordered by a physician (this requires a written note from the physician and a parent), provides physicals & TB Testing for Early Childhood Education and Health Science Technology students, conducts vision and hearing screening as necessary.

General Information & Support Services

Summer School

The Rochester School District offers a summer school, for students who have failed a regular academic course, to perform the necessary additional work that would have been required for a passing grade. Students who achieved between a 60% and a 69% in a course are eligible to enroll in summer school to earn the credit for that course. Also, students who completed a course with a passing grade but were denied credit because of excessive absences, may be permitted to enroll in summer school to earn that credit. Summer school credit will be graded as pass or fail for purposes of issuing a credit. Tuition will be charged for participation in summer school.

Failing Classes Policy

Students failing any required course in Math, Science, English and History with a grade that falls between 50 and 69 will not be allowed to repeat that course. Students have the option to recover the credit during E-block utilizing the Plato Learning Program, through E-block class instruction or Summer School.

Freshman Academy

Spaulding High School is excited to offer its very first Freshman Success Academy. The mission of the Academy is to provide a smooth transition from middle school to high school. First year incoming freshman students will be placed on teams consisting of approximately 100 students. These students will have the same core teachers for Math, Science, English, and Social Studies. These classes will take place on team. All other elective classes will be offered off team.

Bud Carlson Alternative School

The Bud Carlson Alternative School is a drop out prevention program aimed at increasing the potential of Spaulding High School students in grades 9-12. The fundamental goals are to help students become more successful academically and socially. The mission of the Bud Carlson Alternative School is to assist students who are at risk of dropping out to develop a positive self-image, increase social and academic skills, and be motivated to succeed in Spaulding High School and in society. The Bud Carlson Alternative School has served Rochester and its youth for more than twenty years.

Admission to the program is achieved through an interview and selection process. Students are usually referred to the school by guidance counselors, administrative staff or teachers based upon issues of chronic truancy, academic failure, and disciplinary actions.

NCAA Initial Eligibility Requirements

Effective immediately, to be considered a qualifier at a Division I institution and to be eligible for financial aid, practice, and competition during the first year, the student must:

1. Complete the NCAA Eligibility Request Form, online.
www.ncaaclearinghouse.net
2. Graduate from high school.
3. Present a minimum combined test score on the SAT I verbal and math sections and present a minimum grade point average in core courses.

Core GPA	SAT I	16 Core Courses	
		Years	Class of 2008
2.5	820		
2.375	870		
2.25	930		
2.0	1010		
English		4	4
Mathematics - Algebra 1 or higher		2	3
Natural/Physical Sciences		2	2
Additional courses in above areas		1	1
Social Sciences		2	2
Additional Academic Courses (includes Foreign language)		3	4

To be a qualifier at a Division II institution, you must:

1. Graduate from high school.
2. Present a minimum grade point average of 2.0 in at least 14 core courses in the same areas noted above.
3. Present a minimum 820-combined test scores on the SAT I critical reading and math sections.

For more important up to date details please refer to: www.ncaaclearinghouse.net

Plato Learning Program

PLATO Learning is a web-based program that allows teachers to customize and personalize instruction for students including accountability and assessment solutions. The web-based programs that Plato offers supports teaching core curriculum, assists struggling students, allows for practice for standard tests and can be utilized helping students recover credits. Plato Learning enhances educational programming and provides a unique and engaging environment for high school students.

Adult Education

The Rochester School District conducts a state approved Adult Diploma Program that provides the following opportunities:

- high school credit courses
- vocational exploration courses
- non-credit arts & crafts courses

Policies regarding enrollment in one or more of the above listed areas is dependent upon background and experience. Some classes operate under an 8 week term and other classes consist of a 15 week semester. There are two semesters per school year, (Fall, & Spring). To learn more information about Adult Education contact the Richard W. Creteau Regional Technology Center at Spaulding High School. 335-7351 ext. 269 or Mr. Tom Alberghini at ext. 313.

Red Raider Spirit

