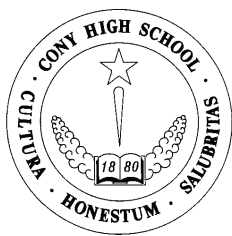


CONY HIGH SCHOOL

2008-2009



PROGRAM OF STUDIES

Mission Statement

The mission of the Cony High School community is to create and maintain a safe, respectful and positive learning environment that fosters academic, career, civic and personal growth. In collaboration with parents and the greater community, Cony High School will provide encouragement, accountability and diverse opportunities that support success for all students.

Academic Expectations

Academic expectations will be integrated within all disciplines. Prior to graduation, Cony High School students will:

- Express themselves effectively both orally and in writing.
- Demonstrate an ability to listen, read, and process information effectively.
- Demonstrate research skills that enable informed decision-making and reasonable conclusions.
- Apply critical, integrative, and creative thinking to be effective problem solvers.
- Demonstrate an understanding of the world with its diverse cultures.
- Demonstrate a proficient use of technology.

Social Expectations

- Assume responsibility for one's own decisions and actions.
- Contribute to the well-being and welfare of others within the school community.

Civic Expectations

- Demonstrate the rights and responsibilities of an individual in a democratic society.

- Demonstrate a sense of community through volunteerism and service to others.

Grade 9 - six classes
Grade 10 - seven classes
Grade 11 - seven classes
Grade 12 - six classes

Only fifth year students, i.e., those students who have not earned a high school diploma in four years and whose class has graduated, may return to Cony as part-time students and enroll in the subjects necessary to earn their diploma. All other students must be enrolled in a full-time schedule

Students registering for classes must meet the requirements specified in the subject description outlined in the Program of Studies or receive permission from the subject teacher and appropriate department head.

To sign up for classes, students complete a registration sheet, and obtain the appropriate recommendations from their current teachers. The registration sheet should then be reviewed by the student along with his/her parent(s), signed by the parent(s), and then returned to their advisor by the requested deadline.

POLICY ON SCHEDULE CHANGES

After the initial registration process, schedule changes will only be made with the approval of parents and department heads, and the recommendations of teachers and guidance. Schedule change forms are available in the guidance office.

Tentative class schedules for the upcoming academic year are distributed near the close of the school year. Each student should closely examine his/her course request to ensure that it is correct, and that he/she has at least the minimum number of classes scheduled for each semester. If there is a problem, students must make an appointment with their guidance counselor to resolve the problem. Schedule changes will only be made for the following reasons:

- Strengthening of a program by adding a subject;
- Failure of a preceding course in a sequence. For example, if a student fails English as a freshman and doesn't make up the class in summer school, then freshman English must be repeated before a student may take sophomore English;
- Recommendation by an IEP (Individual Education Plan) or a staffing;
- Successful completion of a course during summer school;
- Being assigned a teacher with whom the student has failed;
- Teacher recommendation;
- Student request, with approval of teacher, department head, guidance and parent.

Schedule change requests will **NOT** be considered for the following reasons:

- Changing from one teacher to another in the same subject and program;
- Changing a lunch period;
- To free up either the afternoon or morning;
- To be with friends.

ADD/DROP PERIODS

At the start of term there will be a designated Add/Drop period when students may change their course assignments without reflecting a grade. Changes are based upon availability, space and teacher approval.

REQUIREMENTS FOR A CONY HIGH SCHOOL

DIPLOMA

In order to graduate from Cony High School, a student must have earned at least 24 credits in the following areas:

SUBJECT	# of credits
English	4
Mathematic	3
Science	3
U.S. History	1
Global Insights	1
Civics*	½
Economic Foundations	½
Physical Education	1
Health	½
Fine Arts**	1
Community Service	20 Hrs over 4 year period

INTRODUCTION

The Program of Studies has been prepared to assist students in planning their academic programs. Although all efforts are made to provide the most current information, changes in policies, procedures and schedule in the upcoming year may not be reflected in this publication.

The Program of Studies contains graduation requirements, course of study recommendations, and descriptions of individual classes. Each student's academic history, along with the courses taken and their credit values, are recorded on a transcript, which is used to report a student's high school history to employers, the military, or colleges.

It is the student's responsibility to read this booklet and be aware of graduation requirements. The counselors will make every effort to see that all students are properly scheduled, but the ultimate responsibility for meeting all graduation requirements belongs to the student. Final program selection must be approved by the counselor or the principal.

THE HOUSE STRUCTURE

In order to offer the greater personalization of a smaller school while preserving the academic and extracurricular advantages of a larger school, freshmen and sophomores are grouped into two multi-age houses. Juniors and seniors are assigned to an upper level house. Teachers are assigned to one of the three houses in order to foster professional collaboration and maximize interdisciplinary curricular possibilities.

ADVISOR/ADVISEE PROGRAM

The mission of the Advisor/Advisee system is to provide students with a secure environment and access to information that may enhance their educational experience. Advisors will advocate for and encourage students to achieve their highest potential and become responsible members of the school community.

Each year, advisors work on a variety of topics by grade:

Freshmen – Personal/Social/Academic Success Skills

Sophomore – Career exploration and Study Skills.

Junior – Postsecondary exploration and Study Skills.

Senior – Postsecondary finalization, graduation and community involvement.

GUIDANCE DEPARTMENT

The Cony High School Guidance Department offers a variety of services that support Cony's Mission Statement. Parents and students should look over the four year academic planning worksheets in this Program of Studies and contact their guidance counselor if they have questions. Counselors are assigned by House, and alphabetically, by students' last names, as follows:

House 1 Freshmen and Sophomores

A – D Mr. David Klippert
E – L Mrs. Bonnie Dushin

House 2 Freshmen and Sophomores

M – Pl Ms. Helen Renko
Po – Z Mr. Gregory Henderson

Juniors and Seniors, who are in House 3, are assigned to a counselor by the same alphabetical structure. Doing so allows students to stay with the same counselor throughout their high school career.

The Guidance department maintains a web site, which can be reached by accessing the Cony HS web page, and clicking on Guidance. www.augustaschools.org

REGISTRATION INFORMATION

COURSE LOAD REQUIREMENTS

The following is the minimum course load required by grade, for each semester:

* A year of Government will satisfy the semester of Civics requirement.

**The Fine Arts requirement may be met by one credit of Band or Chorale, one credit of Art I, OR two half-credit classes of either Music Concepts, Interior Design, Fashion Design, Fine Arts, Drawing 1 or 2, Painting, Sculpture, Ceramics, Intro. to Theatre, Speech, Architectural Drawing, or American Popular Music.

Please note that these are minimum graduation requirements. Depending upon their postsecondary plans, students should choose the optimum number of credits and academic courses to meet expectations of either four or two year colleges, or employers. The worksheet provided on the last page will help students and parents make appropriate plans for their four years at Cony.

POST SECONDARY PLANNING

Four-year colleges – Most colleges require the following courses for admission:

✓ Four credits of college preparatory or honors/AP English.

A minimum of:

- ✓ three credits of college preparatory or honors/AP mathematics (Algebra 1, Geometry, Algebra 2,);
- ✓ three credits of college preparatory, advanced or honors lab science (usually Biology, Chemistry, Physics);
- ✓ two or three credits of college preparatory or Honors/AP social science (usually Global Insights, U.S. History, Government, and/or World History);
- ✓ two to three credits of a world/classical language in the same language.

Two-year community colleges – Carefully check the admission requirements for the program in which you are interested. It is also recommended that students take advantage of the Capital Area Technical Center (CATC) programs that relate to their interest area. Most two-year colleges require the following courses:

- ✓ four credits of college preparatory or Technical English;
- ✓ minimum of three credits of mathematics (usually Algebra 1, Geometry, Algebra 2);
- ✓ Some community colleges may require a minimum of three credits of science, particularly physics.

Employment – Students must complete all requirements for a Cony High School diploma. It is strongly recommended that students selecting this path attend the Capital Area Technical Center (CATC) during their junior and/or senior years. The CATC experience will help students to develop interests, aptitudes and skills that will enable them to more effectively compete in the workforce.

FOUR-YEAR HIGH SCHOOL WORKSHEET

The worksheet at the end of this publication will help you plan your four years at Cony High School. It shows the required number of credits needed in each subject area, along with a recommended time-line for taking those credits.

In the boxes for each subject, you may choose classes from the Program of Studies to meet your requirements, and write them in below the subject. This way, you can easily plan out your high school career, making sure to fit in requirements and electives.

Although World/Classical Languages are not a requirement for graduation, MOST four-year colleges, as well as the Augusta School Department, recommend two to three credits of the same language.

ACADEMIC ADVANCEMENT

In order for a student to advance academically toward graduation in four years, it is recommended that the following numbers of credits be earned:

To be considered a Sophomore.....6 credits
 To be considered a Junior12 credits
 To be considered a Senior..... 17 credits

Students who do not earn the required number of credits may not be able to progress with their class and may need a fifth year of high school in order to graduate.

EARLY GRADUATION

Students who are interested in exploring an early graduation option should meet with their guidance counselor and with their parents by the end of their sophomore year. Approval for Early Graduation must come from the principal.

Please be aware that Early Graduates cannot participate in Honors parts or be considered for Cony scholarships.

INCOMPLETE GRADES

Students who receive an incomplete grade at the end of a quarter will have no more than two (2) weeks to complete work assigned. After that two week period, the quarter grade will be changed to a grade of 50. Students with incomplete grades will not be included in the Honor Roll.

WITHDRAWAL GRADES

Students who withdraw from a class after the first quarter will receive a grade of Withdrawal/Passing (WP) on their transcript if their cumulative grade is passing, and a grade of Withdrawal/Failing (WF) if their cumulative grade is failing, as determined by the teacher.

SUMMER SCHOOL POLICY

Summer school is an appropriate time for students to earn credits for failed classes. Students who fail a course must have earned a final grade of at least 50 to be eligible for course make-up in summer school. Half-credit classes, if offered, are the only classes that may be taken during the summer without a prior failure.

If a student fails a class, he/she should first attempt to make up the failed course during summer school at Cony High School, if he/she meets the minimum grade requirement. Summer school courses are considered to be part of the regular Cony High School program.

Summer course offerings will be based upon enrollment and will have maximum class size limits. Students and/or parents are responsible for tuition costs for summer school.

EARNING CREDIT THROUGH OUTSIDE PROGRAMS

No more than six (6) credits earned outside the regular Cony High School program may be applied to graduation requirements. This six-credit rule does not apply to transfer or home schooled students. The principal reserves the right to authorize exceptions on a case-by-case basis. All outside programs for credit must be arranged through Guidance and have principal approval.

Outside credit may also be earned through a post-secondary institution such as the University of Maine at Augusta, or Kennebec Valley Community College (KVCC), if the following conditions are met:

- a. Students cannot enroll in a course which is offered at Cony without prior approval of the principal.
- b. Students are responsible for the cost of the class. Students may be eligible for tuition reduction or waiver at some institutions. Check with your guidance counselor for information on early college awareness programs.

Cony students who attend the Capital Area Technical Center, may take academic classes through the Learning Center at CATC, ONLY if they are unable to schedule those classes at Cony. Please see your guidance counselor for more information.

On-line classes through Virtual High School are now also available to Cony students. These classes are usually completed in a semester, and the cost is covered by Cony High School. Please see Mr. Small in the Library if you are interested in this option.

AUGUSTA ADULT & COMMUNITY EDUCATION

Please note that Augusta Adult Education classes are considered to be outside the regular Cony program.

Students who are either Juniors or Seniors, and have permission from parent(s) and high school principal, may be able to make up a failed class through Augusta Adult Education (Adult Ed.) if they have not retaken the class

through summer school. No more than four (4) classes may be earned through Adult Ed. may be applied toward the credits needed for graduation.

Students who are at least 17 years old and who wish to transfer their entire educational program to Augusta Adult Education must arrange a meeting with Augusta Adult Education. Adult Education students who complete their program will receive a Cony High School diploma through Augusta Adult Education and may participate in the Augusta Adult Education graduation ceremony.

OPPORTUNITIES FOR COLLEGE CREDIT

Advanced Placement Courses (AP) are offered in Government, English, Biology, Physics, Calculus and United States History. Students in AP classes may expect to be given summer assignments.

To receive college credits, students **must** take the Advanced Placement examinations, which are given each year in May. These examinations are part of the College Board Service, and scores earned on these tests may help students earn credits for college, or admission to upper level courses. College credit received is determined by each college, and will vary from school to school. Although students in an AP class are not required to take the AP tests, they are strongly encouraged to do so. Fee waivers for AP exams are available to students who meet the required income qualifications as per the College Board Service.

Students who are enrolled in Advanced level courses, such as in science and world/classical languages, and who may also be interested in taking the AP tests should confer with their respective teachers and guidance counselors.

Cony High School also offers Kennebec Valley Community College (KVCC) English and Algebra 2 senior year. Those students who successfully complete KVCC senior English and/or Algebra 2 may receive college credit through Kennebec Valley Community College. Students must take the Accuplacer Test to qualify for entrance into these classes.

Additional opportunities for college credit may be available through the community college system, University of Maine at Augusta, or other area colleges. Please see your guidance counselor for more information.

HONOR ROLL

The honor roll is published quarterly and is based on a minimum of full-time subjects as required for each grade. Students and parents must have submitted a Media Permission Form each year in order to have names released for publication of the Honor Roll. Students who receive Incomplete grades at the time the report cards are issued cannot be included on the Honor Roll.

High Honors	All grades 93 or above
Honors	All grades 85 or above

HONOR PARTS AT GRADUATION

In order to qualify for an honors part at graduation, a student must have been in attendance at Cony High School for two full years and may not be exercising the early graduation option.

Calculation Of Grade Point Average

The final average of every course issuing a numeric grade shall be used in calculating a student's Grade Point Average (GPA). Grades received in each course are multiplied by the credit for each course. The sum of the products is divided by the sum of the credits.

Example of a calculation:

Course	Grade	Credit	Average
English	94	1	94
French 4	93	1	93
Fine Arts	96	½	48
Holocaust	98	½	49
Physics	97	1	97
Algebra 2	88	1	88
TOTALS		5	469 / 5 =93.8 GPA

WEIGHTED COURSES - RANK IN CLASS

Only Honors, AP and advanced courses will be weighted for the sole purpose of determining Rank in Class, which will be computed at the end of the junior year for college applications, and at the end of the third quarter senior year to determine the top 10 students in the graduating class. Students that transfer into Cony High School will only be added to the ranks if/when they have completed two (2) years of schooling at Cony High School. Home schooled students will be ranked when they have completed two (2) years of full-time schooling at Cony High School. College classes are weighted as honors classes.

PROGRAM DEFINITIONS

In order for all students to have appropriate opportunities to demonstrate mastery of the Learning Results, Cony High School provides education in core subjects on several program levels. These programs are defined as:

Technical: The **Technical** program integrates the learning of ideas and concepts with an emphasis on applied principles. These courses prepare students for a two or four-year college degree program or employment. Technical electives may also be chosen that complement a student's college or career choice.

College Preparatory: All core classes not otherwise designated are college preparatory classes and are heterogeneously mixed.

Honors/Advanced: The **Honors/Advanced** program promotes in-depth learning of abstract or theoretical concepts at an accelerated pace with an emphasis on critical thinking skills, analysis and synthesis. This rigorous program prepares students for a four-year college degree program.

The Advanced Placement (AP) program is a cooperative educational endeavor between secondary schools, colleges and The College Board. Students in their high schools complete college level courses that prepare them for a national exam. Participating colleges will grant credit, appropriate placement, or both, to students who receive a qualifying score on the AP exam.

The expectations in Honors/Advanced and AP courses are high in terms of quality of work, time and participation. Some may also require summer work. It is recommended that a student take no more than four honors courses in any given year.

The Mission of Cony High School provides diverse opportunities that support success for all students. Students are not restricted to any one program. Students should plan appropriate placements with guidance from counselors, teachers and parents.

COURSE OFFERINGS FOR 2008-2009

Note: If there are changes to the Cony schedule for 2008-2009, the scheduling of AP classes as well as credit awarded may be subject to change.

ART

892 ART 1 BEGINNING STUDIO (1 credit): Do you want to feel comfortable looking at, talking about, or making art? Would you like to be able to walk into an art museum and understand what you are seeing? Art 1 gives you the language of art elements: line, shape, and form, texture, value, color and space as well as art criticism techniques, to help explore art around us. Hands on studio activities include drawing, painting, printmaking, sculpture, and clay. A weekly sketchbook assignment is given to help develop the creative process. Art One is a year long academic course which prepares you for the semester courses of Drawing 1 & 2, Painting, Sculpture, and Ceramics. Come ready to have fun and open your mind to art!

897 FINE ARTS (.5 credit): This entry level art class for upper level students uses an exploration of the bookmaking process to learn the language of art. The elements and principles will be integrated into each page of the book. Students will also have an opportunity to learn about some of the art from different cultures. Create a personal handmade book that reflects the artist in you. After taking this class, you may continue with other art classes.

895 DRAWING 1 – TWO DIMENSIONAL DESIGN (.5 credit): Improve your skills as an artist! In this course, we will use pencil, charcoal, conte, pastels, and colored pencils to create art. Students will learn about direct observation drawing, design principles and perspective. Representing ideas through personal expression will also be explored. Learning to draw will help you to improve all of your art making. **PREREQUISITE:** Art 1 or Fine Arts.

896 DRAWING 2 – TWO DIMENSIONAL DESIGN (.5 credit): Building on the skills from Drawing 1, we will create a variety of art works from figure drawing to still-life, portraits and prints. Careers in the arts will be discussed so the student may become more aware of all arts fields. This is a great class to build on your foundation skills and add to your portfolio. Many different materials will be used for your creative expressions. **PREREQUISITE:** Drawing 1.

891 PAINTING (.5 credit): This class will focus on watercolor and acrylic painting techniques. Students will learn color theory and how to stretch their own canvases. Verbal and written critiques will help students learn the language of art. In addition, students will learn the differences between using watercolors and acrylics. In this class students will enjoy working with color to create personal expressions. **PREREQUISITE:** Art 1 and/or Fine Arts.

898 CERAMICS (.5 credit) JUNIORS AND SENIORS ONLY – NO PREREQUISITE: Get in touch with your creative self. Play with clay and learn a few new techniques at the same time. Pinch pots, coils, and slabs are all some of the different methods we will use to make pottery. Throwing clay on the electric wheel is also included as an option. Glaze and fire your pieces for unique art products. If you like to work with your hands, this is the class for you!

900 SCULPTURE (.5 credit): This course will explore additive, subtractive and assemblage techniques using a variety of media such as paper, wire, plaster and clay. Learn to create projects such as carved pieces, mobiles, masks, or cast sculpture. Verbal and written critiques will help students learn the language of art. If you like working and creating with your hands, this is the class for you. **PREREQUISITE:** Art 1 or Fine Arts.

894 DIRECTED STUDIES (1 credit): This course is designed for the serious, self-directed and committed senior student. Students will study the role of art and society, art and culture, and creativity in their lives. Each quarter the student will complete an independent study contract, and a biography and critique on their artist of focus. Students who take this class may have the opportunity to prepare for the AP Studio Art portfolio. This honors level course is for seniors only. **PREREQUISITE:** Art 1 and/or Fine Arts.

899 HONORS HUMANITIES (1 credit): This honors level course surveys art history from prehistoric to modern times. Students will learn how art has been made in different cultures through visual art, architecture, philosophy and literature. Criticism, aesthetic interpretation, and creative independent projects will be included. Students who take this class have the opportunity to prepare for the AP Art History Exam. This course is designed for seniors, but is open to motivated, high achieving juniors. No prior art experience is required.

BUSINESS/TECHNOLOGY EDUCATION

600 ACCOUNTING 1 (1 credit): Are you thinking about a business major in college or perhaps running your own small business after high school? All colleges require business majors take Accounting since all business professionals need to understand the accountant and their reports. If you're considering a college major in any business administration program, taking Accounting I now will make your college accounting course a breeze. Through an exposure to a variety of accounting transactions, ledgers, and financial statements, you will gain an understanding of accounting principles for a sole proprietorship and a partnership. In a 4X4 schedule, it is recommended that you sign up for Accounting I and Advanced Accounting to get a full year without interruption. For the first time, the 4X4 offers seniors the

opportunity of taking both Accounting 1 and Advanced Accounting in the same year.

601 ADVANCED ACCOUNTING (1 credit): This course is designed for students who have an interest in continuing their study of accounting into corporate accounting and possibly pursuing the accounting field beyond high school. Both manual and automated formats will be covered using computerized Peachtree software. **PREREQUISITE:** Accounting 1.

605 PERSONAL LAW (.5 credit): This course is a study of "your rights". Topics to be covered include: Ethics, Criminal Law and Torts, Juvenile Law, Consumer Law (warranties, title, bailments, etc.), and Family Law (marriage, divorce, prenuptials, wills, etc.) This class also includes mock trials and courtroom visits.

604 BUSINESS PRINCIPLES & MANAGEMENT (BPM) (1 credit): Attention Juniors and Seniors! Are you thinking that the business field may be of interest to you? Here is a chance to survey many of the majors within a business administration degree: Management (sports, personnel, retail), Marketing (advertising), Finance (investments and the stock market), Retail Merchandising, Entrepreneurship (running your own business), International Business, Economics, and Public Relations are just a few of the majors covered at an introductory level to determine if those are fields that might interest you.

606 ECONOMIC THEORY (1 credit): Thinking about a college major in Economics (or at least wondering what an Economics major is all about)? Then this is the course that will teach you the basic economic concepts of production, supply and demand, consumption, etc. that affect every financial decision made by governments and national economies. Students will learn what drives some of the major decisions countries make about use of resources, international trade, imports/exports, sanctions, embargoes, and competition. This is NOT a consumer economics course (we don't do checkbooks, income taxes, and personal budgets); rather, this is Economics on a national scale. Concepts in both microeconomics and macroeconomics will be covered.

614 PC APPLICATIONS FOR COLLEGE (.5 credit): This course will provide you with the basics needed to feel comfortable about your computer skills as you enter college. You will learn: a) how to make presentations using PowerPoint (stand alone and backup); b) introductory spreadsheet skills for charting and graphing using Excel; c) MLA formatting for research papers; d) basic desktop publishing techniques; e) professional style letters to communicate like a skilled expert.

617 MICROSOFT WORD/DESKTOP PUBLISHING (.5 credit): From simple one-page flyers to research papers, to form letters, mailing labels, and directories to professional newsletters and collaboration features, this course will enhance any student's use of word processing and desktop publishing.

618 MICROSOFT EXCEL/POWERPOINT (.5 credit): From simple spreadsheets and graphs to "what-if" analysis to financial functions and data tables this course will increase your knowledge and use of Excel. In addition, the correct usage of PowerPoint for both stand-alone and backup presentations will be covered in this project-driven course.

621 KEYBOARDING (.5 credit): Have you always wished you could type better? Still looking at the keyboard and spending too much time on data entry to complete a report? Worried about all those college papers and the amount of time it takes you to just type it out? Are you considering a clerical office career? Maybe a course in keyboarding is what you need to break your bad habits and increase your ability and reduce your time in preparing documents on the computer. This may be your last opportunity to learn to type without looking at the keyboard or the screen. Learn to increase your speed while decreasing your stress level about the amount of time it takes you to get things done. Students will determine their current data entry skill level and will progress to more advanced levels of speed and accuracy.

ENGLISH

134 LITERACY STRATEGIES (1 credit): Freshmen in Literacy Strategies will be selected based upon their scores on the Developmental Reading Assessment (DRA) administered in the eighth grade. Students will receive intensive literacy instruction in small groups to ready them for success with the high school curriculum. Students assigned to this course will also be assigned to the companion course, Freshman Writing.

135 FRESHMAN WRITING (1 credit): Freshman Writing offers students the opportunity to improve their writing skills. Through individual and small group instruction as well as peer editing, students will develop the writing skills needed for success across the curriculum. Students assigned to Freshman Writing will also be assigned to the companion course - Literacy Strategies.

102 ENGLISH 1 (1 credit): Welcome to Freshman English! You will read and analyze famous literature such as *The Odyssey* and *Romeo and Juliet*, and sample more contemporary offerings such as *To Kill a Mockingbird*, short stories, and poetry. You will also write descriptive and narrative, assignments, as well as many expository essays. You will learn to use our Cony Research Guide when you write your research paper. Presentations are an important part of communication. For some presentations you will be part of a group, but in others you will do a solo act. Vocabulary study will help prepare you for the PSAT's in your sophomore year and the SAT's in your junior year.

114 HONORS ENGLISH 1 (1 credit): Do you love to read and write? Are you gifted in language arts? If so, this is the class for you. You will read the same literature as English I, and more. You will write the same basic assignments, and more. For example, in addition to the research paper, you will read a book independently and research the author along with critical writings about the novel. Because we will be studying literature and writing in greater depth, and since we will also be covering more material, you should anticipate a heavier work load than for English 1. A summer reading/writing project is required. You must maintain an average of 76 or higher to remain in this course.

105 ENGLISH 2 (1 credit): Now that you are familiar with Cony English, you will build on the foundation you started last year. Your literature selections will include drama, short stories, and novels such as *A Separate Peace*, *The Lovely Bones*, and *Lord of the Flies*. This year when you study poetry, you will each analyze a different poem, write a paper, and give a presentation. You will also explore future career options and give a formal speech about a possible career. Writing will focus on expository essays. This year your research will center on a novel you select. You will research the author and critical writings about the book. Vocabulary continues to be focused on preparing for the SAT test in junior year.

139 SOPHOMORE LITERACY/WRITING STRATEGIES (1 credit) Students selected for Sophomore Literacy/Writing Strategies will continue to receive intensive literacy and writing instruction to improve their skills. Through individual and small group instruction, students will read and evaluate short stories, novels, and poetry. Students will continue to develop writing skills needed for success across the curriculum. This class meets the English 2 requirement.

115 HONORS ENGLISH 2 (1 credit): This is another course for gifted English students. Your Shakespearean play will be *The Merchant of Venice*, and you will read novels such as *A Tale of Two Cities*. Your research is a critical analysis that will require you to read four novels by the same author, to research the author and critical writings, and to develop your own thesis statement. Again, you should anticipate a heavier work load than for English 2. A summer reading/writing project is required. You must maintain an average of 76 or higher to remain in this course.

124 TECHNICAL ENGLISH 3 (1 credit): Plan ahead; take Technical English 3 to prepare for the KVCC English composition course and earn college credit here at Cony. Besides practicing the types of writing covered in the KVCC college writing course, you will study literature such as *The Transall Saga*, *Macbeth*, and *Skeleton Crew*. Your research topic will be relevant to your future career.

106 ENGLISH 3 (1 credit): Junior year focuses on American literature, a good match with American History. You will read *Macbeth*, *The Catcher in the Rye*, *The Great Gatsby*, and many short stories and poems by American

authors, such as Poe, Dickinson, and Hemingway. Although you will practice all types of writing, this year you will focus on persuasive writing, in preparation for writing your college essays in senior year! For research you will write a critical analysis of a novel by an American author. Vocabulary lessons will continue to prepare you for the SAT test in the spring.

101 ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION - AP ENGLISH 3

(1 credit): This is a college freshman composition class, designed to prepare students for the national AP English Language and Composition exam given each spring. It stresses levels of diction from formal to casual; organized study of sentence structure; varieties of sentence types; relationships of sentences within paragraphs; modes of discourse; aims of discourse; rhetorical strategies; and relationships among author, subject, and reader. There is a focus on writing and revision. A summer reading/writing project is required. You must maintain an average of 76 or higher to remain in this course.

125 TECHNICAL ENGLISH 4 (1 credit): Technical English 4 allows you to practice types of writing taught in a college English composition course. You will read and analyze short stories and other literature such as *Nickel and Dimed*, *Night, And Then There Were None*, and *The Five People You Meet in Heaven*, and complete an independent reading project. You will learn how to complete a resume, and write a letter of application. You and your instructor will determine the focus of your individualized research project. Vocabulary study will be intertwined with class literature.

107 ENGLISH 4 (1 credit): This course directs grammar and usage instruction towards meeting specific class needs. Each student will study selections from early Western and British literature and will write a critical analysis on a British author. Students write descriptive, narrative, persuasive and expository essays and produce college essays and resumes. Vocabulary study will be intertwined with class literature.

111 KVCC ENGLISH (1 credit): Here is a chance to earn English Composition college credit through Kennebec Valley Community College while simultaneously satisfying the Cony English 4 requirement. Students must pass an Accuplacer Test and must have successfully completed three years of high school English to qualify for this course. This course includes all of the types of writing assigned in a college freshman composition class, including argumentative, persuasive, descriptive, narrative, cause and effect, and process writing. Students will write a research paper, study literature such as *Night*, *Nickel and Dimed*, *The Five People You Meet in Heaven*, short stories, and examine the mystery genre. College credit earned through this course is accepted at all University of Maine and Maine Community System colleges. You must maintain an average of 76 or higher to remain in this course.

100 ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION - AP ENGLISH 4

(1 credit): This is the equivalent of a college freshman writing class with a focus on nonfiction prose. An extensive study of rhetoric allows students to incorporate a number of new strategies in their own writing. The class is also designed to prepare students for the May AP Literature exam. Included in this course is a significant amount of writing, revising and reflecting. Summer reading and writing are also required. You must maintain an average of 76 or higher to remain in this course.

ENGLISH ELECTIVES

108 CREATIVE WRITING (.5 credit): Love to write, but hate always writing essays? Want a chance to write stories, poems, or something you choose? Creative writing provides the time for you to work on your own writing, a chance to share it with other writers, and the opportunity to pick up tips, tools and techniques to make your writing better. In addition, the class will discuss what makes good writing good, and apply those ideas to the selection of stories and poems for publication in the school's literary magazine, *The Cue*.
PREREQUISITE: English 1.

109 FILM AS LITERATURE (.5 credit): Did you know movies use all those concepts your English teachers keep trying to show you in books? In Film as Literature you will watch great films of the 20th and 21st centuries, discuss the way they communicate, and learn to write essays looking at the storytellers' techniques. And you will look into the minds of America's great directors! **PREREQUISITE:**

English 1.

117 THEATER 1 (.5 credit): Why do you tell an actor to "break a leg" instead of wishing him or her good luck before a performance? This and other mysteries will be revealed in Theatre 1, where you will get the chance to read some great plays, learn how shows are put on, develop basic acting techniques, and understand how theatre came to be what it is today.

119 THEATRE 2 (.5 credit): Serious about acting, directing, or theatre tech? Theatre 2 provides a chance for entirely hands-on, in-depth work on theatre projects. Projects are both individual and small group, and all combine to create a real theatrical production. **PREREQUISITE:** English 1, Theatre I, or instructor's permission.

120 GRECO-ROMAN MYTHOLOGY (.5 credit): The power of Zeus, the allure of Aphrodite, the mysteries of the underworld, and the founding of Rome are topics covered in Greco-Roman Mythology. You will explore ancient stories peopled with the greatest of gods and most terrifying of monsters to reveal qualities and vices that are all too human. This course has something for everyone!

118 JOURNALISM (.5 credit): We depend on the news media to tell us what's happening in our world, and what to prepare for. But what do you know about media? How do they decide what to tell us? Using newspapers as a model, Journalism/Page Design looks at these questions, while teaching the techniques and skills of reporting, news writing and editing in a hands-on environment. This class is about learning by doing, as it produces two issues of the school's newspaper, *Rameses*. **PREREQUISITE:** English 1.

116 MODERN LITERATURE (.5 credit): Remember when you loved to read, before high school required you to scrutinize "classics" that only English teachers find "delightful?" Rediscover your love of reading through Modern Lit, a class that actually studies books written by men and women born in the same century as you. Expect to read, write and talk about books that are contemporary and relevant! **PREREQUISITE:** English 1 and English 2.

123 SPEECH (.5 credit): Communications skills play an increasingly important role in today's world. From college and job interviews to dealing with the public on the job site, effective public speaking is more important now than ever. The goal of a Speech class is to hone communications skills that will prove useful in exchanging information, solving business problems, and influencing the behavior of others. Two areas of focus will be debate and communicating in the workplace.

126 WORLD MYTHOLOGY (.5 credit): If you like mythology and legend, but want to read about more than Hercules and Homer, then here's a class for you! Whether you're an expert or a novice with Greco-Roman mythology, World Mythology can offer an interesting new challenge. Join the class as we span the globe and span the ages, surveying the mythology of six continents. Be prepared to read, write, discuss, and interpret as we explore the myths of a variety of cultures.

145 ENGLISH SAT PREPARATION (1/4 semester - .25 credit) This course is designed to expose you to everything you need to know to get ready for the critical reading and writing sections of the SAT. You will become familiar with format of the test as you learn about approaches to use for answering different types of questions. You will have opportunities to sharpen your essay writing skills and will get feedback that will help you focus on your areas that may need improvement. Juniors will be given priority placement in this course.
PREREQUISITE: English 1

ENGLISH AS A SECOND LANGUAGE

ENGLISH AS A SECOND LANGUAGE (ESL), 127, 128, 129 (1 credit): This course is a comprehensive four-year program designed for English Language Learner (ELL) students. This course will emphasize building listening, speaking, reading, writing and study skills. Other topics include the development of marketable skills for entrance into the work force and acculturation into American life while maintaining appreciation for native heritage. This program is designed to aid students' transition into the regular high school curriculum, at which point an appropriate maintenance program is offered to enable students to function at grade level.

132 ESL WORKSHOP (.5 credit): This course provides small group academic support with a sheltered approach for ELL students in the content areas.

130 ESL READING/Writing LAB (.5 credit): This freshman course develops effective reading and writing comprehension strategies for ELL learners. Skills such as predicting, inferring, vocabulary enhancement, writing styles, and the language of the content areas will be addressed.

FAMILY AND CONSUMER SCIENCES

812 FOODS 1 (.5 credit): Learning to cook is a skill everyone needs to have. This class combines learning about foods and healthy nutrition, hands-on lab experiences. Designed as an introductory class, you will learn basic kitchen safety and sanitation practices, meal planning and preparation, basic nutrition and food science. Try your hand at pasta dishes, salads, muffins and breakfast foods, pies and desserts, healthy alternatives and many other exciting dishes. Bookwork and hands-on experiences are combined.

814 JOY OF COOKING (.5 credit): Those of you with cooking experience will with enjoy the challenges of this class. Building on what you know about food and nutrition, try your hand at more complex recipes and healthy nutrition topics. You will work with yeast and dough, cook vegetarian recipes, use alternatives for fats and sugars, and explore the world of exotic foods, along with standard meal planning and preparation. Foods 1 is recommended.

817 SEWING 1 (.5 credit): Have you ever felt like you just don't have anything to wear, or that things don't fit right? In this class you can explore the world of fashion and sewing. Learn about styles, color, fabrics and how clothes are put together. Start with sewing basics and advance to more creative and complex projects. In this hands-on class you supply the materials and learn to use all the equipment in the classroom. Learning fashion care and repair to basic clothing construction is a valuable life skill.

818 SEWING 2 (.5 credit): Designed for the student with sewing experience, this class lets you advance your skills. Learn more about fabrics, fitting, color selection and techniques. Review the basics and move onto creating fabulous fashions for yourself or others.

811 FASHION DESIGN (.5 credit): Ever wonder what fashion designers do for a career? If you think about fashions and how they develop, this class is for you. You will explore the history of fashion, the people involved, learn about design as it is applied to clothing, and develop basic clothing construction techniques. Class work, design and hands-on construction are combined. See how creative you can be!

813 INTERIOR DESIGN (.5 credit): Ever wonder what an Interior Designer does for work? Learn what the designers know. You will explore the history of American architecture, and try your hand at designing and decorating a variety of spaces. Learn about space planning and drawing, color theory, design principles and elements and about the parts that make up the interior of a house. This is a hands-on class where you will create a portfolio of architecture styles, design theory and color schemes. You will incorporate your ideas in a final house project in which you will design the house and create all the interiors.

815 TEEN ISSUES (.5 credit): This course examines issues found in social psychology that are of special interest to teens. This class examines who you are as a person, personality development, communication skills and various types of relationships. Issues such as eating disorders, the media, dating, depression, divorce, music, substance abuse, etc. are researched, presented and discussed.

810 CHILD DEVELOPMENT (.5 credit): At some point, we were all children, or we will have children, or we will encounter children. We start with the basics of human development, explore the world of prenatal development, travel through infancy, and examine childhood. We examine the five types of development, teen pregnancy, abuse situations, exceptional children and the world of child care. This class is a great introduction for anyone going into nursing, education, social work, psychology, child care or early childhood education.

WORLD/CLASSICAL LANGUAGES

504 FRENCH 1 (1 credit): This course is designed for

students who have no previous French experience or who had difficulty in mastering the basics of the language in the middle school. In this course students will have the opportunity to revisit these beginning language concepts at the high school level. Students will develop their listening, reading, speaking and writing skills. This course introduces the student to basic vocabulary, structure and cultural topics. Beginning level communication skills will be introduced and practiced. Students will also study the culture of the French-speaking world.

512 CONTINUING FRENCH 1 (1 credit): This course is designed for students who have studied French at the middle school and have a basic understanding of vocabulary and workings of the language. They will continue their study of the language concepts begun at the middle school and at the same time they will have a review in those areas of the language that need further practice before they can successfully continue to the next level. Students will work on their listening, speaking, reading and writing skills and will continue learning about the French-speaking world.

505 FRENCH 2 (1 credit): This course will continue to develop the listening, reading, speaking, and writing skills that were begun in French I. Students will expand their vocabulary, their knowledge of the structure of the language and will read various selections to further develop their comprehension. Students will also continue learning about the culture of the French-speaking world.

513 HONORS FRENCH 2 (1 credit): This course further develops the work of Honors French 1 with continued emphasis on listening, speaking, reading and writing skills. Students will do more in-depth work on vocabulary, verb tenses and the structure of the language. Students will further develop their knowledge of the French-speaking world through a variety of cultural readings, including a short story.

506 FRENCH 3 (1 credit): Students will continue to build on their listening, speaking, reading and writing skills. A review of verb tenses and grammar will be covered in this course. There will also be discussions in French of selected reading materials, and continued development of conversational skills. There will be further study of the French-speaking world.

511 HONORS FRENCH 3 (1 credit): This course will continue the development of French through an in-depth review of grammar, readings such as short stories, plays and a novel in its original version. There is further development of listening, speaking, reading and writing skills. Students will work on various types of assessments such as skits, journals, and projects. Students will read *Le Petit Prince* and learn more about the French-speaking world. Class discussions are conducted in French as much as possible.

507 FRENCH 4 (1 credit): This course will continue to develop language, speaking and reading skills. Students will further develop their writing skills through assigned readings. They will read short stories, examine some original versions of French literary works, and review French grammar. Culture throughout the course will be studied through the readings. Class discussions are conducted in French as much as possible.

514 HONORS FRENCH 4 (1 credit): This course continues the review of French tenses and covers more advanced points of structure. Students will continue to work at a more in-depth level on the four skills of language – listening, speaking, reading and writing at a more advanced level. They will read literature, write short papers and hold most class discussions in French. Opportunities will be provided to use French in real life situations and to further learn about the culture of the French-speaking world.

508 GERMAN 1 (1 credit): This course is the first in a four-year sequence for students who are beginning the study of German. The course introduces the student to basic vocabulary, grammar, and cultural topics. Students develop skills in listening, speaking, reading and writing, and begin their study of the German-speaking world.

509 GERMAN 2 (1 credit): This course will continue to develop skills in listening, speaking, reading and writing. A variety of cultural topics will be covered and students will continue their study of the German-speaking world.

503 GERMAN LANGUAGE AND LITERATURE (1 credit): Formerly known as German 3/4, this upper level German course should be taken following German 2. It alternates readings in German with the presentation of more advanced grammatical concepts first introduced in German

1 and 2. Topics include German legends, sagas, folktales, and fairy tales, as well as a survey of authentic children's literature. As topics vary from one semester to the next, this course may be taken more than once for credit.

516 LATIN 1 (1 credit): This course is the first in a 4-year sequence aimed at the beginning student. It starts with the development of grammatical and vocabulary skills and introduces the mythology, history and civilization of Rome

517 LATIN 2 (1 credit): This course further develops the objectives of Latin I with more advanced grammar, vocabulary and derivatives. Students improve their translation skills and expand their knowledge of Roman mythology, history and civilization.

518 LATIN LANGUAGE AND LITERATURE (1 credit): Formerly known as Latin 3/4, this upper level Latin course should be taken following Latin 2. It alternates readings of Roman authors in the original language with the presentation of more advanced grammatical concepts first introduced in Latin 1 and Latin 2. Topics include Caesar's *Gallic Wars*, selections from *The Art of Love* by Ovid and *The Aeneid* by Virgil, as well as a survey of medieval Latin literature. As topics vary from one semester to the next, this course may be taken more than once for credit.

520 SPANISH 1 (1 credit): This course is the first in a four-year sequence for students who are beginning the study of Spanish. The course introduces the student to basic vocabulary, grammar and cultural topics. Students develop skills in listening, speaking, reading and writing, and begin their study of the Spanish-speaking world.

521 SPANISH 2 (1 credit): This course will continue to develop skills in listening, speaking, reading and writing. A variety of cultural topics will be covered and students will continue their study of the Spanish-speaking world.

522 SPANISH 3 (1 credit): This course introduces advanced grammar and vocabulary topics, as well as investigates aspects of the history and culture of Spanish-speaking countries in greater detail. A variety of materials will be used to further the four skills of listening, speaking, reading and writing. Class discussions are conducted mostly in Spanish.

523 SPANISH 4 (1 credit): This course is for students who wish to continue their study at a more advanced level. Students will use the culture, history and literature of Spanish-speaking countries to master the skills of listening, speaking, reading and writing. This course is conducted primarily in Spanish.

INDUSTRIAL TECHNOLOGY

702 INTRODUCTION TO TECHNOLOGY AND CAREER EXPLORATION (1 credit): This course is designed to explore technical careers by understanding what technology is and how it shapes our society and makes our world. Technology units covered will include communication, transportation, construction, and manufacturing. Small projects relating to these units will be researched and constructed, learning the proper use and safety of hand tools and machines. Manual and computer drafting will be included as part of the design process. Technical careers will be explored through field trips to local businesses, and having guest speakers share their expertise.

703 APPLIED TECHNOLOGY (1 credit): Students will expand on knowledge and skills learned in Introduction to Technology, for the purpose of designing and constructing a project made of wood and/or metal. This project will be in the form of a piece of furniture. Students will be forming his or her own small company, learning how to start and manage a small business, how to research and create a product. The product made will serve as a prototype for testing and future mass production. Students will use the technological problem solving method, drafting skills, safe lab practices and advanced wood and metal techniques. **PREREQUISITE:** Introduction to Technology and Career Exploration.

701 ARCHITECTURAL DRAWING (1 credit): This course will introduce the student to the world of Architecture through the study of Architectural periods and styles that have and are still influencing designs of yesterday, today and the future. This knowledge, along with the study of construction techniques and materials, as well as proper drawing methods will be used to create a full set of residential house plans. The class will become rigorous at times requiring time commitments, devotion to quality, and some outside research work. Upon completion

of the required drawings students will construct a scale model to demonstrate modern construction materials and house construction methods.

MATHEMATICS

325 MATH STRATEGIES (1 credit): By invitation or recommendation only. Freshmen in Math Strategies will be selected based upon an 8th grade assessment, NWEA scores and teacher recommendation. This course is designed for the student who intends to take Algebra 1, but needs to acquire a background in methods and techniques used in Algebra. Topics covered include a comprehensive review of arithmetic, problem solving, properties of integers, decimals and fractions, as well as practical applications of mathematics. This one credit counts as an elective credit, but not a Math credit.

INTEGRATED MATHEMATICS

The Integrated Math course sequence meets the requirements for students who may pursue post secondary training. These courses offer students a good experience in the practical application of mathematics. The Integrated Math program is designed for those students who have found mathematics to be a challenging subject. Based on real-life applications, this program ensures that students receive a thorough, standards-based math curriculum with a “user friendly” approach.

309 INTEGRATED ALGEBRA 1 (1 credit): This course is the first in a 3-year Secondary Mathematics Core Curriculum that successfully connects mathematics with the real world of people, business and everyday life. This Math course is designed to develop basic Algebra skills. Topics introduced are algebraic expressions, equations, rational numbers, polynomials, exponents, radicals, solving and graphing linear equations, probability and statistics.

316 INTEGRATED GEOMETRY (1 credit): This course starts with the basic concepts of measuring length and area, using symmetries of planar shapes to address questions about polygonal figures. Algebraic ideas from Algebra 1 are elaborated upon by using geometric interpretations. Emphasis is placed on developing an understanding of concepts including the language of Geometry, congruence, similarity, right triangles and trigonometry, circles, coordinate geometry and two and three dimensional figures. **PREREQUISITE:** Algebra 1 or Integrated Algebra 1.

317 INTEGRATED ALGEBRA 2 (1 credit): This course reviews and extends the basic concepts and skills introduced in Integrated Algebra I and Integrated Geometry. Topics include equations and inequalities, linear and quadratic functions, systems of equations and inequalities, polynomials, irrational and complex numbers, exponential and radical expressions, rational expressions. **PREREQUISITE:** Geometry or Integrated Geometry.

ACADEMIC MATHEMATICS

Students interested in postsecondary work that is more math and science oriented should take the following: Algebra 1, Geometry, Algebra 2, and Precalculus. These courses provide a good to rigorous preparation for college mathematics.

303 ALGEBRA 1 (1 credit): This course offers a challenging approach to Algebra I, giving students a strong foundation in Algebra, for subsequent course offerings. Areas of study include but are not limited to real numbers, solving equations and word problems, polynomials, rational expressions, introduction to functions and systems of linear equations, as well as some work with quadratics.

304 GEOMETRY (1 credit): The course begins by emphasizing the elements of geometry (theorems, definitions, postulates, properties, and axioms) with applications to writing proofs and solving numerical problems with a primary focus on vocabulary. Key areas are triangles and quadrilaterals and related concepts. The second semester has an increased emphasis on numerical applications. Key areas are planes, parallel lines, polygons, and circles. **PREREQUISITE:** Algebra 1.

300 ALGEBRA 2 (1 credit): This course includes mathematical concepts such as relations, functions and graphing. The use of graphing calculators is emphasized. Specific topics include linear and quadratic functions and inequalities in the real number system, systems of equations and matrices, rational expressions, polynomials, complex numbers, radicals and exponential functions, logarithms and probability. **PREREQUISITE:** Algebra 1 and/or concurrently with Geometry.

318 SENIOR MATH (1 Year – 1 credit): This course provides a solid foundation and overview of a variety of math topics, enabling the student to be well-prepared for general education math courses, in post secondary study. Topics include problem solving, set theory, logic, the real number system, algebra, geometry, consumer math, probability and statistics, among others. This course will give students a strong knowledge of fundamental mathematics, involve students in authentic problem solving applications, and enable students to develop skills in key aspects of critical thinking. **PREREQUISITE:** Geometry/Algebra 2 or Integrated Geometry/Integrated Algebra 2.

310 PRECALCULUS (1 credit): This course is designed for those students who intend to pursue a post secondary course of study that requires higher levels of mathematics. Topics include linear and quadratic functions, polynomial and rational functions, triangle trigonometry, trigonometric functions, analytical geometry, exponents and logarithms, sequences and series, and time permitting, combinations and probability. **PREREQUISITE:** Algebra 2 and Geometry.

HONORS MATHEMATICS

Students interested in careers that are highly dependent upon mathematics and science should enroll in honors classes. These careers may include engineering, actuarial work, intensive study in the medical fields, chemistry, physics or any other careers in science and mathematics.

306 HONORS ALGEBRA 1 (1 credit): This course covers the same material as Algebra 1. In addition, higher level thinking skills are used extensively throughout the course with particular emphasis on the solution of word problems and application of concepts developed in the course. This course also includes an introduction to radicals and radical equations, systems of equations and inequalities. Students are expected to maintain an average of 76 or higher each quarter. Students unable to meet this requirement will be moved to Algebra 1.

307 HONORS GEOMETRY (1 credit): This course is devoted mainly to plane geometry with a shorter introduction to solid geometry. The course emphasizes the deductive and inductive reasoning processes which the students use to discover properties of plane figures. Students will be exposed to using the computer as a tool and will be expected to complete assignments using a geometry software package. All students are expected to maintain an average of 76 or higher each quarter. Students unable to meet this requirement will be moved to Geometry. **PREREQUISITE:** Algebra 1 or Honors Algebra 1.

305 HONORS ALGEBRA 2 (1 credit): This course covers the same core material as in Algebra 2. Particular emphasis will be given to the algebraic solutions of practical applications (word problems) and algebraic theory, including proofs. Students are expected to explore some of the basic reasoning of algebra, analyze the results, and reach logical conclusions as to what happens and "why". All students are expected to maintain an average of 76 or higher each quarter. Students unable to meet this requirement will be moved to Algebra II. **PREREQUISITE:** Algebra 1 or Honors Algebra 1 and/or concurrently with Geometry or Honors Geometry.

315 HONORS PRECALCULUS (1 credit): This course is a study of the trigonometric functions as they relate to triangles as well as their use as circular functions. Topics include inverses of circular functions, trigonometric identities, vectors, polar coordinates, solutions to trigonometric equations, and applications of trigonometry. There is also concentration in functions of all varieties (polynomial, rational, exponential and logarithmic) as well as derivatives. Graphing and interpreting graphs, with or without the aid of a graphing calculator, will be emphasized. As the course is designed for those students who intend to pursue mathematics courses requiring the knowledge of advanced mathematics, students who have

not been enrolled in **honors** level mathematics courses may have difficulty with the material and critical thinking skills required for mastery. All students are expected to maintain an average of 76 or higher each quarter. Students unable to meet this requirement will be moved to PreCalculus. **PREREQUISITE:** Algebra 2 or Honors Algebra 2, and Geometry or Honors Geometry.

327 PROBABILITY AND STATISTICS* (1 credit): This course is intended for students who will enter a post-secondary field such as Business Administration, Computer Information Systems, Psychology, Sociology or other areas that require such topics. Topics include: permutations, combinations, probability, and special functions such as probability, distributions, mean, variance and standard deviation. **PREREQUISITE:** Algebra 2 or Honors Algebra 2.

328 AP STATISTICS* (1 credit): The two objectives of this course are to prepare students well for both the AP Statistics examination, as well as subsequent work with college level mathematics. There is an attempt to balance conceptual understanding, communication skills and technology. Problem solving skills through individual and collaborative learning experiences will be developed. All students will take the AP exam. **PREREQUISITE:** Algebra 2 or Honors Algebra 2. (*OR if a 4x4 schedule is adopted, Probability and Statistics would be the prerequisite.) *proposed*

302 CALCULUS (1 credit): This course is intended for the student who desires a high level of mathematics in college. The course content is typical of college level courses and involves rigorous study of limits, derivatives, integrals, the fundamental theorem of integral calculus, and applications of the derivative and integrals. Students are expected to problem solve and apply critical thinking skills. **PREREQUISITE:** Precalculus or Honors Precalculus.

301 AP CALCULUS (1 credit): The course prepares students for the AB level examination of the College Board Advanced Placement Program. This course, which covers differential and integral calculus, parallels the first one or two semesters of a college course in calculus and is designed for students who have demonstrated high proficiency in previous mathematics courses. Students can expect detailed work in both theoretical and practical aspects. **PREREQUISITE:** Honors Precalculus, (OR** if a 4x4 schedule is adopted, Calculus would be the prerequisite.)

MUSIC

954 CONCERT BAND (1 credit): This course is performance-based, in which students explore the repertoire of the concert band through performing a wide variety of compositions. Students gain greater proficiency on their instruments through an ongoing study of technique, tone production, music notation and interpretation. Band students perform in a wide range of venues including concerts, festivals, school activities and civic events. Prior experience playing a musical instrument is a prerequisite. Students who have no previous experience playing an instrument, but would like to start, may enroll with permission of the instructor. Students enrolled in this course are required to attend all performances of the Cony Band.

952 MUSIC CONCEPTS 1 (.5 credit): This course deals with the fundamentals of music. Students will learn to read in treble and bass clefs and will learn fundamental rhythms, terms, and markings. Beginning piano technique will be taught on electronic keyboards in a piano lab. The students will play both in classical and popular style. This course is for beginning piano students with little or no training.

MUSIC CONCEPTS 2 (.5 credit): This course is a continuation of Music Theory 1. Students will mainly focus on advancing their keyboard skills. Basic Ear Training and beginning composition will be added as well as primary chord progressions and scales in the key of C, F, and G. **PREREQUISITE:** Music Concepts 1, or must be able to read music and have basic piano proficiency, or permission of the instructor.

958 ADVANCED MUSIC CONCEPTS (Theory) (1 credit): This course is designed for the student who desires

a concentrated effort in theory. The content will include the musical elements necessary to compose original melodies with harmony: This includes all major and minor intervals, key signatures, scales, and chords, as well as transposition, advanced ear training, and rhythmic and melodic dictation. This course is recommended for students who will be considering further music study beyond high school. **PREREQUISITE:** Previous music training and/or permission from instructor.

956 AMERICAN POPULAR MUSIC (.5 credit): This course in music appreciation is designed to give the student an overview of the various styles of music from the past 100 years. Students will learn how earlier forms (blues, folk) contribute to the sounds heard today as we trace the progression of popular music throughout the past century. Styles include jazz, soul, doo-wop, rock, country, rap, British invasion, punk, art rock, etc.

957 TREBLE CHOIR (1 credit): This course is open to female singers who wish to explore treble (upper) voice choral literature. A wide variety of styles will be performed in three parts, concentrating on contemporary music. This group will sing at school concerts, including Chizzle Wizzle Minstrel. **PREREQUISITE:** Successful completion of 1 year of Chorale, or permission of the instructor.

953 CHORALE (1 credit): This course is open to any student who enjoys singing. Students will learn the basics of singing in a choir, i.e. proper posture, breathing, note and sight reading. Members are expected to sing at all school concerts, including Chizzle Wizzle Minstrel.

955 CONCERT CHOIR (1 credit): This course allows students to demonstrate and utilize vocal and choral skills to an advanced degree. Members are expected to have the ability to read music of moderate to advanced difficulty. Members are expected to sing at all school concerts including Chizzle Wizzle Minstrel. **PREREQUISITE:** Successful completion of Chorale (2 years) or permission of the instructor.

SCIENCE

431 SCIENCE SKILLS (.5 credit): This course will allow first year students to gain proficiency and confidence in skills necessary for success in science classes. Topics will include the scientific method, the metric system, reading scientific literature, measurement instruments and methods, construction and interpretation of graphs, and functions and uses of lab equipment. NOTE: This course does not count as a science credit. *proposed*

414 INTEGRATED SCIENCE (1 credit): This course is divided into 2 quarters each worth half a credit. After the completion of both classes, the students will have a full credit of Integrated Science. Both concentrations will be offered each quarter. This class is required of all freshmen unless they test out of it. It helps satisfy requirements of the Maine Learning Results.

Integrate/Physical Science (.5 credit) concentrates on chemistry and physics, including topics such as the periodic table and energy and motion.

Integrated/Earth Science (.5 credit) concentrates on topics in earth and space science including a look at the universe and our atmosphere.

PREREQUISITE: successful completion of science pretest.]

410 HONORS BIOLOGY (1 credit): This is a rigorous college preparatory science course offered for students who intend to pursue a college program that requires advanced scientific knowledge. While a lab-based course, great emphasis is placed upon utilizing abstract thinking processes while handling theoretical biological concepts. Basic biological reactions including photosynthesis, respiration, and the synthesis and decomposition of biological molecules are covered. Students will also be presented with the opportunity to gain comprehension of genetic and biotechnical concepts, taxonomy of the kingdoms, ecological processes and functions, and an introduction to human systems. Students should expect an average of ½ to 1 hour of homework per night to be successful. **PREREQUISITES:** Integrated Science (unless tested out), and Algebra 1 prior to or concurrently with this course.

403 BIOLOGY (1 credit): This is a rigorous college preparatory science course. Although lab-based, this course introduces abstract thinking processes used to handle the more theoretical aspects of biology. Basic biological

reactions including photosynthesis, respiration, and the synthesis and decomposition of biological molecules are covered. Students will also be presented with the opportunity to gain comprehension of genetic and biotechnical concepts, taxonomy of the kingdoms, ecological processes and functions, and an introduction to human systems. Students should expect a minimum of ½ hour of homework per night to be successful.

PREREQUISITE: Integrated Science, and Algebra 1 or Integrated Algebra 1.

416 TECHNICAL BIOLOGY (1 credit): This course integrates biological concepts with applied principles. It is intended for students who may or may not pursue post secondary training in science. Class work is the focus and there are various laboratory experiences as well as textbook activities. Emphasis is placed upon an understanding of the principles of biology as they apply to the student's life. Topics covered will include photosynthesis and respiration, genetics, classification of organisms, ecological processes and environmental concerns, and a look at cellular structure. Lengths of homework assignments will average up to ½ hour; additional after school work will be required for missed class time. **PREREQUISITE:** Integrated Science and Integrated Algebra 1.

411 HONORS CHEMISTRY (1 credit): This course is a rigorous college preparatory science course intended for students who intend to pursue a college program that requires advanced scientific knowledge. This course teaches chemical concepts by means of extensive laboratory experience and promotes in depth learning of concepts at an accelerated pace utilizing students' critical thinking and analytical skills. This course provides a solid background in both descriptive and conceptual chemistry. Students who take this course should have excellent mathematical and reading capabilities. Students will be expected to problem solve and apply critical thinking skills to daily work. Lengths of assignments are approximately one hour. Additional after school work is recommended and a substantial amount of outside reading, essays, and projects in addition to the textbook are required. **PREREQUISITE:** Integrated Science, Biology, and Algebra 1 or Integrated Algebra 1. Grade 10

404 CHEMISTRY (1 credit): This course is a rigorous college preparatory science course. It fosters critical thinking and analytical skills with more mathematical support than Honors Chemistry. Class work will emphasize qualitative and quantitative aspects of chemistry. A student should be skilled in reading to understand and be able to understand and follow verbal directions and clearly express ideas. Students will be expected to problem solve. In addition students should have a good foundation in Algebra 1. Lengths of assignments are approximately one half to one hour and additional after school work is recommended. **PREREQUISITE:** Integrated Science, Biology, and Algebra 1/Integrated Algebra 1. Grade 10

417 TECHNICAL CHEMISTRY (1 credit): This course integrates chemical concepts with applied principles. It is intended for students who may or may not pursue post secondary training. Class work will be focused on laboratory experience rather than textbook activities. Emphasis will be placed on an understanding of the principles of chemistry as they apply to life and workplace situations. Lengths of assignments will average up to one half hour and additional after school work will be required for missed class time. **PREREQUISITE:** Integrated Science, Biology and Algebra 1 or Integrated Algebra 1.

412 HONORS PHYSICS (1 credit): This is a rigorous college preparatory science course offered for students who intend to pursue a college program that requires advanced scientific knowledge. While a lab-based course, great emphasis is placed upon utilizing abstract thinking processes while handling theoretical physics concepts. Advanced math skills and logical reasoning will also be emphasized. Topics including classical mechanics, Kepler's Laws of planetary motion, trajectories, and waves are covered. Students should expect an average of ½ to 1 hour of homework per night to be successful. **PREREQUISITES:** Biology, Algebra 2 and Geometry with concurrent enrollment in Precalculus or Calculus.

405 PHYSICS (1 credit): This is a rigorous college preparatory science course. Although lab-based, this course introduces abstract thinking processes used to handle the more theoretical aspects of physics. Mathematical

applications of physics laws will be explored. Topics include classical mechanics, waves, sound, light and energy. Students should expect a minimum of ½ hour of homework per night to be successful. **PREREQUISITES:** Biology, Algebra 2 and Geometry.

415 TECHNICAL PHYSICS (1 credit): This course integrates physics concepts with applied principles. It is intended for students who may or may not pursue postsecondary training. Class work is focused on laboratory experience rather than textbook activities. Emphasis is placed upon an understanding of the principles of physics as they apply to life and workplace situations. Topics covered will include classical mechanics, waves, sound, light and energy. Length of assignments will average up to ½ hour; additional after school work will be required for missed class time. **PREREQUISITES:** Algebra 1, Integrated Science, and Biology.

SCIENCE ELECTIVES

406 ENVIRONMENTAL SCIENCE 1 (.5 credit): This course emphasizes the importance of students' surroundings to their lives. It will advance their knowledge that every person can make a difference in their community and should assume responsibility for protecting the environment. Applications within the realm of ecology, ecosystems, biomes, bio-diversity and populations are explored. Environmental Science concludes with a focus on man's impact upon the environment. **PREREQUISITE:** Biology.

407 MARINE BIOLOGY (.5 credit): This course is designed to help students gain an understanding of the physical and biological aspects of the marine environment. Topics covered in this course will include: physical and chemical oceanography along with a study of the body plans of marine organisms including adaptations exhibited that allow them to survive in a variety of environments. Emphasis is given to the ecological interdependence of each level of organism with its physical environment. **PREREQUISITE:** Biology and Chemistry, or concurrently with Chemistry *proposed*

433 ADVANCED PLACEMENT CHEMISTRY (1 credit): Advanced Placement Chemistry is designed to be equivalent to a first year college-level course. A college text book is used and the topics are covered in depth with emphasis on mathematical formulation of principles. Topics to be covered are solution and gas chemistry, oxidation-reduction and electrochemistry, equilibrium relations, acid-base/buffer systems, thermodynamics, kinetics, and descriptive chemistry. Laboratory work and formal lab reports are an integral part of the course. Experimental work will involve the use of precise measuring equipment and some instrumentation. The AP Chemistry class is a second year chemistry class. The AP Chemistry student should expect to spend a minimum of five hours a week of outside class time in study. **PREREQUISITE:** Chemistry and Algebra 2 *proposed*

400 ANATOMY (1 credit): This course studies the structure and function of the human body through in-depth learning of the organ systems. The laboratory component of the course allows students to expand their analytical and critical thinking skills as well as to synthesize the holistic nature of the human machine. **PREREQUISITE:** Biology and Chemistry.

401 ADVANCED PLACEMENT BIOLOGY (1 credit): The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and gain an appreciation of science as a process. The curriculum is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. The textbook used is common to many college biology majors and the labs are equivalent to those performed by college students. Significant out of class work is expected for success. **PREREQUISITES:** Biology; chemistry prior to or concurrently with this course.

402 ADVANCED PLACEMENT PHYSICS (1 credit): This course provides a systematic introduction to the main principles of physics and emphasizes the development of conceptual understanding and problem-solving ability using algebra and trigonometry, but rarely calculus. This is a one-year course including a laboratory component. This course provides a foundation in physics for students in the

life sciences, pre-medicine, and some applied sciences, as well as other fields not directly related to science. **PREREQUISITES:** Biology, Algebra 2 and Geometry with concurrent enrollment in Pre-calculus or Calculus.

SOCIAL STUDIES

207 GLOBAL INSIGHTS (1 credit): This course provides students with an opportunity to study the Earth and people's interaction with it. Students will explore the world using the five themes of geography: location, place, human/environment interaction, movement and region. Along with maps, texts and videos, students will focus on aspects of political, physical and cultural geography.

217 HONORS GLOBAL INSIGHTS (1 credit): This course is designed for freshmen with strong reading and writing ability. Students will explore the world using the five themes of geography, and will complete a substantial amount of outside readings, essays and assessments in addition to using the text. The course integrates all academic disciplines as it focuses on current geographic issues. Completion of a summer assignment is required for acceptance into this course.

209 WORLD HISTORY (1 credit): This course is the study of major events and eras that have shaped today's world, beginning with ancient history and continuing to the 20th Century. Students learn how political, social and economic systems have evolved.

218 HONORS WORLD HISTORY (1 credit): This course is designed for students with strong reading and writing ability. It includes ancient, medieval and modern history. Special emphasis is placed on events which have significantly affected the course of human history. A variety of teaching methods is used throughout the course including classroom discussion and debate, videos and assessments. Analytical thinking skills are developed through demanding reading and writing assignments. A summer assignment is required for entry into this course.

213 ECONOMIC FOUNDATIONS (.5 CU): This course is a graduation requirement, usually taken in the junior year. Topics covered are: Personal Management Skills; Career Employment; Consumerism; Consumer Rights; Insurance; Credit, Finance and Banking; Federal Income Tax; Economic Systems; Production Resources; Trade Offs / Opportunity Costs; and International Trade.

208 US HISTORY (1 credit): This course provides a survey of US History from the Colonial Period to the present day. Students will study social, political and economic aspects of the major eras of our history. The relevance of the past to current events is an integral part of the course. Common assessments are required as well as some essay writing.

201 ADVANCED PLACEMENT US HISTORY (1 credit): This course provides the student with a learning experience equivalent to that in most college introductory US History courses. Students learn key chronological events from the colonial period to the present. Factual knowledge is supplemented by outside reading in economic, political, social-cultural and diplomatic history. Students read historical novels as well as college-level historiography. The course requires frequent essays, challenging reading and a significant amount of independent study to encourage the development of analytical thinking skills. The summer assignments include reading an historical fiction and writing several brief analyses of primary documents.

206 CIVICS (.5 credit): This course explores the rights and responsibilities of civic life, the types and purposes of governments, and the constitutional principles and democratic foundations of U.S. political institutions. It encourages student participation in society in a spirit of civility and productivity. Students will participate in a project which will connect Civics to current events, one of which will be a constitutional project.

210 GOVERNMENT (1 credit): This course teaches the rights and responsibilities of civic life, the types and purposes of government, and the constitutional foundations and democratic functions of the political institutions of the United States. Students will explore the constitutional

underpinnings of the United States government, political beliefs and behaviors, political parties, interest groups, the media, institutions of national government, public policy, and civil rights and liberties. This course meets the Civics requirements for graduation.

200 ADVANCED PLACEMENT GOVERNMENT AND POLITICS (1 credit): This course is divided into two semesters. The first semester of this course will cover United States Government and Politics. Topics include constitutional underpinnings of American Government; the three branches of government, political parties, interest groups, the media, public policy, civil rights and liberties. A summer assignment is required of all incoming students.

211-212 CURRENT EVENTS (.5 credit): This course identifies and discusses significant contemporary events and trends, and also enhances understanding of these issues by placing them into proper historic context. News stories are discussed in depth each day and their importance and interrelationships are assessed. Students receive a copy of a news magazine each week for discussion and written analysis. The course aims at instilling awareness and a continued interest in developments in the world and also seeks to provide young adult citizens with practice in seeking out information, processing it and determining its value and meaning.

220 SOCIOLOGY (.5 credit): In this course, students will learn about the individual and his relationship with others through studying the five institutions of society: family, education, government, religion and the economy. Students will gain an understanding of and appreciation for social diversity. In addition to a textbook, students will use current resources as they discuss major contemporary social issues, prepare and conduct a public opinion survey and work on individual and small group projects.

219 PSYCHOLOGY (1 credit): Psychology is the study of human behavior. We look at why people do what they do. In this year-long class, you will have the opportunity to explore the history of and the people who shaped psychology, how the mind works, memory and how we learn, sensations and perceptions, along with the brain and its many parts. You will explore altered states, abnormal behaviors, personality theories and more. Explore psychology through discussion, presentations, survey work, alternative assessments and research.

216 THE HOLOCAUST (.5 credit): This course explores the causes and effects of the Holocaust through the use of cinema, film, primary reading sources, guest speakers and discussions.

PHYSICAL EDUCATION/WELLNESS

904 PHYSICAL EDUCATION 1 (.5 credit): This course will combine physical fitness activities and knowledge with motor/movement skills and knowledge. Students will participate in various activities including golf, racquet sports, archery, basketball, flag football, floor hockey, volleyball, team handball, Ultimate Frisbee, soccer, and other recreational units while incorporating fitness-based concepts. Health-enhancing activities include aerobic training, weight lifting, and stretching. Maine Learning Results Assessments will be implemented.

905 PHYSICAL EDUCATION 2 (.5 credit): This course will combine physical education and health. This course offers the Challenge Holds Success (CHS) curriculum and American Red Cross Community CPR. The curriculum emphasizes responsible personal and social behavior in physical activity settings through cooperative games, group initiatives, trust building activities and the indoor/ outdoor ropes course. Students will also participate in canoeing. Students have the opportunity to become American Red Cross Community CPR certified. Maine Learning Results Assessments will be implemented. **PREREQUISITE:** Physical Education 1.

910 HEALTH (.5 credit): This course will focus on many health-related issues facing today's adolescents. It is geared to enhance knowledge and skills for applying current information and resources related to mental health, conflict resolution and violence prevention, communication, family life, environmental health, substance use and abuse, prevention and control of

diseases, safety and injury prevention, stress management, nutrition, aging, consumer health, and public health. Maine Learning Results Assessments will be implemented.

907 WELLNESS PLUS (.5 credit): This course will primarily emphasize Fitness and Nutrition. Students will research and participate in areas related to nutrition as well as a variety of fitness programs and equipment. Students will develop and maintain healthy fitness through an individualized program designed by the student. **PREREQUISITE:** Instructor permission required.

908 OUTDOOR EDUCATION ELECTIVE (.5 credit): This course will provide students with lifetime skills that they can use in an outdoor environment. Topics include canoeing, map and compass survival skills, Wilderness First Aid, camping, food preparation, tree identification, tracking, ATV Training, snow shoeing and much more. Students must be prepared to be outside in all kinds of weather and have a willingness to try hands-on adventurous activities. Homework, exams, and fees for some activities may be expected with this course. **PREREQUISITE:** Physical Education 1, 2 and Health

903 SPORT ELECTIVE (.5 credit): This course will provide students with vigorous physical activity. Students will learn the knowledge and skills of various team sports and as well as the characteristics of good sportsmanship associated with each sport. Students are required to dress appropriately for the activities, inside or outside. **PREREQUISITE:** Physical Education 1, 2 and Health

STUDENT INSTRUCTOR PROGRAMS

Students assist teachers with classroom responsibilities. Permission of the instructor is required for all Student Instructor placements. Students may be enrolled in only one Student Instructor program per semester, unless they are giving up a study hall.

Student instructor opportunities are available by permission of the instructor in various disciplines, such as Family and Consumer Science, English as a Second Language, Art, and Science. Daily response journals, weekly reflective readings, and conferencing with the instructor will be required.

901 PHYSICAL EDUCATION STUDENT INSTRUCTOR (.5 credit): This course is for students interested in assisting the Physical Education teachers. Responsibilities include: serving as small group leaders, assistance with attendance and equipment procedures, belaying students on the ropes course, and CPR. Applications will be reviewed and student instructors will be chosen by the PE staff. Students apply directly to the Physical Education department and are assigned only after PE approval. **PREREQUISITE:** Physical Education 1, 2 and Health

917 SPECIAL EDUCATION STUDENT INSTRUCTOR (.5 credit): This course is offered to students who are interested in working with special needs students in both regular and special education classroom settings. Students peer coach their special needs classmates in a variety of activities including appropriate role modeling of social skills, peer job coaching and peer tutoring in regular classrooms and various functional living skills. Students must interview with special education teachers and satisfy requirements of a selection process prior to admittance to this course. Students will keep a journal and complete other readings as assigned by the instructor.

979 STUDENT INSTRUCTOR IN ELEMENTARY EDUCATION (.5 credit): This course is offered to students who are interested in working with elementary students. It is designed to provide students with an opportunity to explore the teaching profession and measure personal growth through a contribution to their community. Participants will be required to apply with the guidance office and interview with the cooperating teacher. Requirements include five hours per week in the classroom, goal setting, keeping a reflective journal, professional readings and quarterly meetings with the program supervisor.

SPECIAL EDUCATION PROGRAMS

Cony offers a number of special education programs and services to those students identified by an Individualized Education Plan meeting (IEP). Students may not be enrolled in any special education courses without the recommendation of the team.

882/88 INSTRUCTIONAL LAB (RESOURCE ROOM SUPERVISED STUDY): (.25 credit per semester): Resource room teachers provide academic support, remediation, assistance with organizational skills and work completion, and accommodations for oral testing. Placement in the Instructional Lab is determined through an IEP.

ADAPTED PHYSICAL EDUCATION (.5 credit): This course may be taken for one semester or the entire year. Students are included in Physical Education classes when appropriate or given individualized instruction.

827, 824-826 BEGINNING ENGLISH (1 credit): These courses are designed to provide individual and/or small group instruction in English/Reading as outlined in the student's Individualized Education Plan (IEP).

BEGINNING MATH COURSES (1 credit): These courses are designed to provide individualized and/or small group math instruction, concurrent with mainstream curricula. These classes are presented at a slower pace to accommodate the individual needs of the students. Concepts taught will be applied to real life situations where appropriate.

831 - Beginning Integrated Algebra 1

828 - Beginning Integrated Geometry

830 - Beginning Algebra 2

PREVOCATIONAL PROGRAM

This program is designed to provide independent living skills and vocational training to students who require individualized education planning. The Prevocational program provides individualized study periods, small group instruction, and support for students in regular classroom environments. Career exploration, work experience, and career planning are also important components of this program.

911 PREVOCATIONAL TRAINING 1: (1 credit): This course is designed to provide students with the basics of career exploration and career planning. An emphasis on math skills and application of these skills in everyday living and working is also provided. Students participate in weekly community trips, exploring area businesses and the career opportunities they provide.

910 PREVOCATIONAL TRAINING 2: (1 credit): This course is a continuation of Prevocational 1. Students learn more in-depth skills including: resume writing, interviewing, developing portfolios, and networking. Community trips involve investigation of resources available to locate employment and supports which may be needed to retain employment. An emphasis on math skills is continued.

912 PREVOCATIONAL ENGLISH (1 credit): This course is designed for students who require assistance to improve basic reading and writing skills. Small group instruction will include reading comprehension and writing composition. Some individualized instruction may include the Wilson reading program.

913 PREVOCATIONAL MATH (1 credit): This course is designed to provide basic math instruction to students who require individualized education planning. Weekly trips to businesses in our community will help students explore how math is incorporated into the working world.

SECONDARY FUNCTIONAL SKILLS PROGRAM:

This program is designed to provide special needs students with independent living skills, training in classrooms and community based settings. This is a self-contained classroom with mainstreaming opportunities provided through physical education classes, regular homeroom and lunch periods, and other regular classroom settings. Programming is individualized using the IEP process. Program domain areas include functional academics,

leisure skills, community usage skills, functional communication skills, vocational training and self help skills.

878 FUNCTIONAL SKILLS MATH (1 credit): This course is designed for students who require assistance to improve basic math skills. Small group instruction will include basic math operations, measuring, time, and money skills.

877 FUNCTIONAL SKILLS ENGLISH (1 credit): This course is designed for students who require assistance to learn basic reading and writing skills. Small group instruction will include practical application of skills including using newspapers, completing forms, reading directions, and writing journals.

876 COMMUNICATION SKILLS DEVELOPMENT (1 credit): This course is designed to improve students' social and interpersonal skills, which are required to succeed in life. Topics explored will include personal and business relationships, peer pressure, personal empowerment, and conflict resolutions. Students will earn one CU upon successful completion of this course.

881 FUNCTIONAL SKILLS FOODS (1 credit): This course is designed for special needs students to improve their knowledge of healthy foods and basic skills on food preparation.

CONY BEHAVIORAL INTERVENTIONS (CBI), TRANSITIONS, AND OPTIONS PROGRAMS

The above Cony Programs are special education programs for students with emotional disabilities. They are designed to provide each student with an educational program based on the Cony curriculum and the students' needs. The goal is to transition these students into the mainstream program. Students access these programs through the IEP process.

CAPITAL AREA TECHNICAL CENTER

Capital Area Technical Center (CATC) is committed to developing technical and academic skills and promoting the student attitudes and achievement that will prepare all students for further education and careers in the 21st century. CATC offers a variety of programs to juniors and seniors, and in some programs, sophomores. Most programs are offered on a half-day basis, but some are available full day.

AUTOMOTIVE TECHNOLOGY (Full Year/half or full day): The Automotive Technology Program is divided into three levels. This will allow you to complete the automotive courses that you choose and that your high school course work will allow. Instructors can help with choosing a technical/community college to finish their training.

708 Automotive Technology 1 gives students the knowledge and skill they will need to start as an entry level technician performing light duty service work and minor repairs. Students will gain hands-on experiences in an automotive shop environment. Students will receive the foundation of automotive technology which includes automotive safety and fundamentals. Students will perform light duty service work, minor repairs, brake repairs and electrical repairs.

709 Automotive Technology 2 gives students the skill and knowledge to perform repairs on today's complex systems. Students will continue work from Automotive Technology 1 by advancing their knowledge of automotive electronics, engine performance and steering and suspensions. Students will have the opportunity to take the Maine Motor Vehicle Inspection test for State of Maine certification. This course is offered in the PM session only.

710 Automotive Technology 3 will allow students to complete any remaining course work and portfolio. The instructors can also assist students with a co-op position at a local repair facility. Students will continue work from Automotive Technology 2 by advancing their knowledge of automotive electronics and engine performance. The instructor may also assist students in obtaining a co-op position at a local repair facility. This course is offered in the PM session only.

To assure quality repairs on today's automobiles, Automotive Service Excellence, or ASE certified auto

repair technicians. The National Automotive Technicians Education Foundation (NATEF), provides industry standards for institutions involved in the skill building for the auto industry. The Automotive Technology Program is NATEF certified in the following areas: Brakes, Electrical/Electronic, Engine Performance, and Steering and Suspension. Students will also have the opportunity to receive Central Maine Community College credit while attending Capital Area Technical Center. Other articulation credits are available from other schools. After completing level one automotive program, Juniors will have the opportunity to participate in the Automotive Youth Educational System (AYES). In this program students will be employed at a local dealership working under a mentor to enhance student skills and knowledge. Students entering Automotive Technology should have good reading, writing, and math skills. We incorporate industry standards using up-to-date equipment to meet the needs of today's workplace. We will also teach the professionalism that employers will expect from you on the job.

707 AUTO COLLISION TECHNOLOGY 1 (1/2 or full day): In the Automotive Collision Program, students will receive instruction in metal straightening, surface preparation, welding, plastic repair and plastic refinishing. Daily assignments involve performing work on customer's vehicles in the automotive collision shop. All instruction and practical application is done to National Automotive Technician Foundation (NATEF) and International Collision Auto Repair (I-CAR) standards. These entry level skills in non-structural damage repair and refinishing prepare students for postsecondary education or placement in the trade. Students entering Automotive Collision Technology should have good reading, writing, and math skills. We incorporate industry standards using up-to-date equipment to meet the needs of today's workplace. We also teach and expect the professionalism that employers will require from you on the job. Grades 10-12

708 AUTO COLLISION TECHNOLOGY 2 (half or full day) In the Automotive Collision Technology II program, students will advance their techniques in metal straightening, surface preparation, welding, plastic repair and plastic refinishing. Students will use on-line repair programs, computerized estimating and scan tools. The instructor may also assist students in obtaining a co-op position at a local repair facility. PREREQUISITE: Auto Collision 1

711 BIOTECHNOLOGY (1/2 day): Biotechnology is a class where students will learn about the equipment, techniques, and background needed to work in a biotechnology lab or to prepare for a career in biotechnology, medicine, biological science, or related fields. Students will be doing many laboratory exercises in areas such as forensic science, DNA fingerprinting, plant tissue culture, bacterial transformation, and cloning. Students will visit research labs and biotech companies utilizing these techniques. Students are required to keep an extensive lab notebook similar to industry standards, which is a major part of their grade. A minimum of one job shadow experience is required. The course is lab intensive and students will be offered an option to work on a research project in conjunction with the University of Southern Maine. With this option, students can receive honor level credit from their partner sending school. This course stresses creative thinking and problem solving skills. *A prerequisite of Biology is strongly recommended.*

712-713 BUILDING CONSTRUCTION (full day or 1/2 a.m.): The Building Construction program provides instruction and practice in the principles of residential construction. Students build scale and full size buildings, perform building tasks in the Augusta community and study related information in the classroom. Students successfully completing the Building Construction course of instruction and work activities will be qualified for entry-level positions in construction, retail lumber, and related fields. This program helps build a firm foundation for furthering education in building technology programs at community colleges.

*Students should have mastery of measuring, reading, arithmetic computation skills, be familiar with a full function calculator to perform basic mathematical operations, and perform calculations using fraction and decimals.

754 CERTIFIED NURSING ASSISTANT (1/2 day): This half day program provides students with the opportunity to acquire the knowledge and learn the skills necessary to become a Certified Nursing Assistant. Students learn how to give basic nursing care to patients and residents. This includes assisting with personal hygiene, movement, elimination, communication and emergency situations. In the classroom students learn about anatomy and physiology, diseases, illnesses and condition of the human body, and they practice tasks in the skills lab. Working in the local nursing homes and hospital

is required. Qualified students who have successfully completed the program have the opportunity to take the State of Maine Certified Nursing Assistant exam in the spring and become a Certified Nursing Assistant. Students are prepared to work as CNA's and to further their education in the nursing or other medical fields.

714 COMPUTER TECHNOLOGY 1 (1/2 day): This program is designed to give students a working knowledge of computer hardware and software. The course will consist of modules covering hardware components and software problems. The program will incorporate background work for the A+ Certification Test. Students will have classroom work and hands-on experience that will prepare them for entry-level positions and/or post secondary computer related programs.

715 COMPUTER TECHNOLOGY 2: (1/2 day): The CCNA Discovery course, Networking for Home and Small Businesses. The goal of this course is to introduce you to fundamental networking concepts and technologies. This course provides a hands-on introduction to networking concepts and the Internet using tools and hardware commonly found in the home and small business environment. This class requires a solid background in computer repair and maintenance and an exposure to networking.

716-717 CULINARY ARTS (full or 1/2 day): The Culinary Arts program trains students for a career in the Food Service industry. Students learn basic food preparation, baking and proper dining room service techniques through the operation of a cafeteria, banquet service and restaurant. They are exposed to the latest technology, including the use of a computerized ordering program directly linked with a distributor. A wide range of career specializations within the Food Service and Hospitality industry are introduced through field trips, special projects and on-the-job training opportunities. Employment potential is excellent and there are many post-secondary opportunities available. A nationally certified sanitation course, Serv-Safe, is offered and a certificate is awarded upon the successful completion of the course.

749-750 COMPUTER AIDED DRAFTING AND DESIGN (1/2 day): CADD-ARCH (AM) CADD-MECH (PM) From the basics of design to Computer Aided Drafting and Design (CADD), this program prepares students for entry-level positions within the industry and for post secondary education. Drafting skills are developed through applied drawings created by state-of-the-art equipment. Individualization of instruction allows students to qualify for beginning drafting positions while providing an excellent foundation for those planning a career in architecture or engineering. Computer Aided Drafting and Design is divided into two 1/2-day programs. It is possible to combine the two for a full day option. Mechanical Drafting (PM) will use CAM (Computer Aided Machining) technology, using CNC (Computer Numerically Controlled) milling and lathe machines. Architectural CADD (AM) will be used for construction methods, space planning and materials for residential drawing and design. This class will also design and draw plans for a residence to be constructed by the Building Construction program.

751 EARLY CHILDHOOD OCCUPATIONS (1/2 day) Early Childhood Occupations is designed to teach the skills required to care for and teach preschool children. Students study the growth and development of children and assist in the organization and operation of the Center's nursery school. Job shadowing at local childcare agencies is required. Students are prepared to go on to entry-level positions or to continue their education in a teacher training program or other related areas. A second year program is also available for students who successfully complete the first year. Second year students complete an in-depth study of child development and job shadow in the public schools. Students should be at least 16 years old, have at least a seventh grade reading level, and have physical stamina, patience and a caring attitude.

753 HEALTH CAREERS SCIENCE/ PHARMACOLOGY (½ DAY – AM): In Health Careers Science, Pharmacology concentration, students will learn medical/pharmacological terminology, calculations, pharmacology, anatomy, and law and ethics. These concepts will be achieved by performing lab exercises, completing assignments, competency check off, and tests. Students will learn how to receive and interpret medication orders, over the counter medications and inventory skills. Communication skills, professionalism, and other skills beneficial in the workplace will be covered. At the end of this program, seniors will have the opportunity to sit for National Board Certification for Pharmacy Technician. A student interview and references may be required. The

course is geared toward senior students, with a strong math and science background.

755 HEALTH CAREERS SCIENCE/MEDICAL TERMINOLOGY (½ DAY – PM): In Health Careers Science, Medical Terminology concentration, students will learn medical terminology, which is a foundation necessary for establishing a career in healthcare. Students will learn how to analyze medical terms by dividing them into their component parts to obtain definitions. Basic anatomy will be introduced as each body system is studied. This program will also include fire safety, infection control, CPR and first aid. Students will have the opportunity to listen to professionals related to the medical field, as well as the chance to go on career-related job shadows. A student interview and references may be required.

756 LAW ENFORCEMENT (1/2 day): Students enrolled in the Law Enforcement program will gain a head start in this increasingly competitive field. This course covers everything from criminal law and crime prevention to defensive tactics and criminal investigation. The course is designed to help students make a career choice in the main occupations available in the field and to prepare them for further training or education in the criminal justice/law enforcement field. Students in this program are expected to display high standards of ethical and moral behavior, in and out of the classroom, that reflect professionalism, respect, commitment, dedication, pride, self-discipline and teamwork. The curriculum is delivered using hands-on applications, demonstrations and practical scenarios.

773 MACHINE TOOL TECHNOLOGY (1/2 day) This course will introduce students to all aspects of the machine tool industry, including the operation of lathes, drills, millers, and basic computer numeric controlled machines. Students will also develop skills in blue print reading and welding. Juniors who successfully complete this course are encouraged to go on to Machine Tool 2. Strong math skills are recommended.

772 MACHINE TOOL AND MANUFACTURING TECHNOLOGY 2 (1/2 day) Students prepare to enter the Machine Tool industry or community college programs through extensive lab work in conventional machining processes and classroom experiences. The program is designed to build proficiency and skill in job planning and the operation of lathes, drills, millers and grinders. The basics of computerized numerical control machines. In addition, this program provides an opportunity to work on projects that interface with the Drafting Technology program using CNC lathes and milling machines. This program provides an opportunity to work on projects that interface with the Drafting Technology program using CNC lathes and milling machines. Students also receive training in basic welding principles including; SMAW, MIG, TIG and OXY FUEL.

DIGITAL MEDIA (1/2 day by semester): This program is designed to give students an introduction and better understanding of the business, technical, and creative aspects of media. Semester courses are offered in four different concentrations. The following are the course descriptions:

774 Television Production is a course designed to give students a hands-on experience operating a television station. Students will learn to produce, direct, act, and operate all equipment related to television production. As crew members, students will have the opportunity to work for Channel 7 Augusta doing "Live" broadcasts of City and School department meetings, athletic events, and other local programs.

775 Video Production is a course through lecture and hands-on experience where students will learn the basics of camera operation, lighting, editing and audio manipulation. Throughout the semester students will create in class commercials, documentaries, music videos, and informational videos.

776 Computer Animation is a course designed to give students the hands-on opportunity to learn the basics of 2-D animation through the use of Flash and Adobe Photoshop. Throughout the semester students will improve their skills building animations for DVD interfaces, Internet web pages as well as creating a basic game. This course does not require any artistic ability; however a little creativity is needed.

777 Web Design is a course through lecture and hands-on training where students learn the basics of web page layouts. This class covers the concepts of color scheme, balance, scale, photo manipulation and text editing. Throughout the semester students will improve their skills

by creating and designing a variety of web pages integrating images, animation and video with the ultimate goal of developing a web site.

800-799 PLUMBING AND HEATING (full day or 1/2 AM): The Plumbing and Heating program utilizes classroom demonstrations, lectures, practical lab experiences and live work experience in the Augusta area to expose students to the skills needed for entry-level employment in the two fields of study. Instruction includes blue print reading and its applications, planning systems layouts and estimating and the use of different heating fuels such as number two heating oil and propane. Also covered is basic electricity and its application to the trades. Upon successful completion of the program, students will be prepared for entry-level jobs in the fields of plumbing and heating or for entry into post-secondary programs.

801-802 GRAPHIC DESIGN AND PRINTING 1 (full day or 1/2 AM): In this course, students will use their own ideas to develop, design and produce projects such as T-shirts, stickers, note pads, greeting cards and much more. Topics covered will include principles of design and computer applications such as Adobe Photoshop, Illustrator and InDesign. Also covered will be screen printing processes, offset printing, and vinyl cut sign making. Students will apply their creativity, problem solving skills and techniques learned during class time to produce original printed pieces. Full day students may be eligible to earn Central Maine Community College credits for their GAT151 screen printing course. This course will prepare students to continue their Graphic Arts training at the college level.

803-804 GRAPHIC DESIGN AND PRINTING 2 (full day or 1/2 PM): Students enrolled in this second level course will enhance their design and printing skills through the production of jobs for non profit organizations and schools. Students will also be assigned personal projects designed to teach advanced techniques including 4 color process printing, digital imaging, cost estimating and customer service. Students may elect to earn credits for Central Maine Community College's GAT151 screen printing course. Students will also have the opportunity to job shadow at local print shops.

CO-OPERATIVE EDUCATION

Co-operative Education is a program which combines academic study with paid, monitored and credit-bearing work. Students in the CATC Co-Op program may alternate days of school with work, work after school for additional credit, or participate in the most common arrangement, mornings in school and afternoons at a paid job. Co-Op participants attend a class for related instruction, which focuses on job seeking, workplace skills and personal finance.

THE LEARNING CENTER:

The Learning Center provides individualized academic courses in English, U.S. History, Earth Science, Pre-Algebra, Algebra 1, Geometry, History or Rock and Roll, Art Appreciation, Civics, and Parenting. Students need to complete and pass assigned course materials in order to receive credit from their sending school. The courses are individualized and self-paced, so any subject can be taken during any class time. Classes are offered on an alternating block schedule for 50 minutes. Full day students can fit up to two Learning Center courses; half day students can fit a course in either before or after their half day program. All students must have prior approval from their sending school in order to take Learning Center classes.

DIVERSIFIED OCCUPATIONS:

Diversified Occupations is a program for students with documented learning differences. Half-day technical training is provided in three different programs. Students may also enroll in academic classes, which provide for individualized instruction and small group settings. Students attending full day will take a Technical program and three academic courses; a half-day choice would involve only a technical program.

Our morning **Human Services** program offers the student a hands-on experience in our school cafeteria preparing the daily school lunch and experiencing some integration with the Culinary Arts program. Students in the afternoon program focus on life and career skills.

The **Auto Reconditioning** program focuses on teaching students the skills necessary for exterior and interior detailing. Students have the opportunity to expand their knowledge depending on their ability and interest in pursuing additional learning in this field.

The **Building Trades** program offers students the chance to learn basic carpentry skills using both hand and power tools. Students experience components of building construction within the shop area at CATC as well as in the community

LIST OF AP/HONORS COURSES
WEIGHTED FOR RANK IN CLASS

Anatomy
AP Biology
AP Calculus
AP Chemistry
AP English Lit & Comp
AP English Language & Comp
AP Government
AP Physics
AP Statistics
AP US History
Biotechnology (if selecting an honors component)
Calculus
Directed Studies
Economic Theory
French 3, 4
German 3, 4
Honors Algebra 1, 2
Honors English 1, 2
Honors Biology
Honors Chemistry
Honors French 2, 3, 4
Honors Geometry
Honors Global Insights
Honors Humanities
Honors Physics
Honors Precalculus
Honors World History
KVCC English
KVCC Algebra 2
Latin 3, 4
Spanish 3, 4

CONY HIGH SCHOOL ACTIVITIES

American Field Service
Art Club
Chizzle Wizzle
Civil Rights Team
Coniad (Year Book)
Drama Club
Envirothon Team
French Club
German Club
Jazz Band
Junior Classical League
Key Club
Madrigals
Marching Band
Math Team
National Honor Society
Outing Club
Rameses (Newspaper)
Science Club
S.H.I.N.E.
Spanish Club
Stage Band
Student Council
Student Instructors

REQUIREMENTS FOR A CONY HIGH SCHOOL DIPLOMA

SUBJECT	Grade 9	Grade 10	Grade 11	Grade 12	Total # of Credits Req.
English	English1	English 2	English 3	English 4	4
Math	Math	Math	Math		3
Science	Integrated Science	Biology	Science		3
Social Studies	Global Insights		US History	Civics	2 ½
Physical Education/Health (formerly Wellness 1 – 3)	Physical Ed. 1	Health	Physical Ed. 2		1 ½
Speech Required for 2008					½
Economic Foundations			Economic Foundations		½
Visual/Performing Arts	Art 1 or Music				1
Foreign Language	Level 1 (recommended)	Level 2 (recommended)			
Community Service	Day of Caring	Day of Caring	Day of Caring	Day of Caring	20 hours
Other Electives					
Total # Per year					24 credits for Graduation

ACADEMIC PREPARATION CHART

Subject	Cony High School Minimum Graduation Requirements	Community Colleges Preparation	4 Year College Preparation	Selective College Recommendation
English	4 credits	4 credits	4 credits	4 credits at Honors/AP level
World Language	Recommended but not required	Recommended but not required	Two credits of one language	3 or more credits of 1 language
Mathematics	3 credits	3 credits through Algebra 2 Or Integrated Algebra.2	3 credits through Algebra 2 Or Integrated Algebra 2	4 credits including Calculus
Science	3 credits Int. Science, Biology + 1	3 credits Int. Science, Biology + 1(which may include physics)	3 or more credits including Biology, Chemistry, and Physics	4 credits at Honors/AP
Social Studies	2.5 credits including US Hist, Global Insights and Civics	2.5 credits including US History, Global Insights and Civics	2.5 credits including US Hist, Global Insights and Civics	3-4 credits at Honors/AP
Physical Education and Health	1.5 credits	1.5 credits	1.5 credits	1.5 credits
Economic Foundations	.5 credits	.5 credits	.5 credits	.5 credits
Visual/Performing Arts	1 credit	1 credit	1 credit or more depending on focus	1 credit or more depending on focus

Community Service The 20 hour Community Service requirement may be met by participation in The Day of Caring for all four years.