Hornell High School
Course description guide

Hornell High School Goals

High level of learning for all students

Skillful leadership in every building

Quality teachers in every classroom

2012–2013

Dear Families,

This revised course catalog continues to focus on our goals of quality instruction in every classroom and a high level of learning for all students through a curriculum that is rich, rigorous and offers choice to all students. Our goal is to help all students to be successful both in high school and in their future. We have numerous college preparation and college level courses available for your son or daughter's participation. We continually look to balance your child's needs with optimal preparation to be college and work ready at graduation.

Please review and reference this course guide when discussing your child's schedule and future with them and with our guidance counselors. Thank you for your continued support as we work to graduate students who are prepared for active citizenship, and career or college success.

Sincerely,

Lisa Sanford

Senior High School Principal (10-12)

Ted Illi

Junior High Principal (7-9)

Hornell Secondary School Academic Program

Subject	Grade 9	Grade 10	Grade 11	Grade 12
English	English 9	English 10	English 11 - R English 11AP—R	English 12 English 12AP
Social Studies	Global History & Geography 1	Global History & Geography 2—R AP European History-R	US History & Government—R AP United States History—R	Economics 1/2 and Government 1/2
Math	Algebra 1A or Algebra 1 - R or Geometry R	Algebra 1B - R or Geometry - R or Introduction to Trigonometry or Algebra 2/ Trigonometry - R	Geometry - R or Introduction to Trigonometry or Algebra 2 / Trigonometry - R or Pre-Calculus or AP Statistics or Math Applications or Business Math	Adv. Algebra or Pre-Calculus or AP Calculus AB or AP Statistics or Algebra 2/ Trigonometry R or Math Applications or
Science	Living Enviroment-R Earth Science-R Chemistry –R	Earth Science-R Chemistry-R Forensics Applied Physics	Chemistry-R AP Chemistry Physics-R Forensics Applied Physics	Physics-R AP Biology AP Chemistry Forensics Applied Physics
Foreign Language	Spanish 2 French 2	Spanish 3-R French 3-R	ACE Spanish ACE French	
Other Requirements	Art or Music which includes Band, Chorus or Studio Art	Health 1/2 credit		
Electives	See course catalog			

'R' indicates that student is required to take a New York State Regents Exam at the end of course. Hornell High School offers the following courses to provide a rich, rigorous, and engaging curriculum for all of our students. However, not all of these courses will be offered each school year. Courses run each year based on available resources, staffing, and student interest in the course. Courses with low enrollment may be cancelled.

This is subject to change.

Hornell High School Directory

607.324.1303

Principals	Extension
Ted Illi (7-9)	523
Lisa Sanford (10-12)	501

Dean of Students

Tony Gill (7-12)	503

Guidance and Counseling Department

Counselors 7-8

Lisa Rosica	574

Counselors 9-12

Don Wilson(A-G, So-Z)	576
Ashleigh Striker(H-Sn)	581

Department of Social Work (7-12)

Nicole Carey	582

Director of Athletics

Gene Mastin	573

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Philosophy of the Guidance Department

Making decisions is a requirement of daily life. The decisions that each individual makes are influenced by a number of factors that include: personal values and interests, family and peer influences, as well as societal expectations. Education also plays a pivotal role in helping students learn more about themselves and the capabilities that are necessary to establish and reach their goals. The philosophy of the Guidance Department at Hornell High School is to assist each student in the development of the skills and knowledge necessary to make wise decisions regarding course selection, career planning and college choices. We also encourage each student to deal effectively with personal issues and concerns. By advocating the development of these abilities we help equip our students with the tools necessary to leave Hornell High School and lead productive lives in our ever-changing world.

Academically, students are expected to make course selections that are consistent with their ability and challenging to their development. Our counselors help students develop a four-year plan of study, plan their yearly academic program through careful individual course selections, discuss college or other post-high school plans, provide information about available scholarships to those who are eligible, and monitor the student's progress in his/her courses. When personal issues or problems beyond the norm impact a student's school life, personal counseling is available. The counselors also recognize the important link between home and school and welcome the opportunity to meet with parents to discuss pertinent information and issues regarding specific academic and personal needs of the students. As students leave Hornell High School, we expect they will use the experiences and skills learned here to make responsible decisions that will launch them into a productive and fulfilling adult life.

New York State Graduation Requirements

The following section provides a description of minimum graduation requirements as outlined by the New York State Board of Regents. Students must earn a minimum of 22 units of credit, including two credits in physical education, to receive either a Regents or an Advanced Regents Diploma.

Required Subjects	Regents Diploma	Adv. Designation Regents Diploma
English	4 Credits	4 Credits
Social Studies	4 Credits	4 Credits
Mathematics[1]	3 Credits	3 Credits
Science[1]	3 Credits	3 Credits
Arts	1 Credits	1 Credits
Health	.5 Credits	.5 Credits
Physical Education	2 Credits	2 Credits
Second Language[2]	1 Credits	3 Credits[3]
Electives/Sequence	3.5 Credits	1.5 Credits
Total number of Credits	**22 Credits**	**22 Credits**

[1] Including technology education

[2] At Hornell High School students begin the study of Second Language in 8th grade. By passing their 8th grade course and the State Proficiency exam at the end of the 8th grade year, the student earns one (1) high school credit. Upon earning this credit a student must complete a minimum of one more year in Second Language. If a student fails the proficiency exam, and/or the course, they then retake the class as their second year of Second Language study.

[3] Those students seeking an Advanced Regents Diploma must earn 3 credits in Second Language and pass the Regents exam at the end of the third year. Students may be exempt from this 3-credit requirement in Second Language by acquiring 5 units of credit in Art, Music, or Career and Technical Education.

Definition of terms:

One-half of a school year is called a *semester*.

A *unit of credit* is granted for the successful completion of a subject scheduled one period per day for the school year.

One-half unit of credit is granted for the successful completion of a subject studied one period per day for one semester, or one period every other day for the school year.

Required subjects are those subjects which all students must take to meet New York State graduation requirements.

Electives are those subjects which are not courses required for students to fulfill graduation requirements.

Pre-requisites are the requirements that must be met before a student may be scheduled for a given subject.

Regents and Advanced Regents Diplomas

New York State requires students to meet minimum graduation requirements by passing specific exams at the conclusion of required high school classes. For a student to be eligible for a New York State Regents Diploma or Advanced Regents Diploma, Regents examinations must be passed for each of the following subject areas:

Regents Diploma	Advanced Regents Diploma
English	English
Global History and Geography	Global History and Geography
United States History & Government	United States History & Government
Integrated Algebra	Integrated Algebra
Living Environment	Geometry
	Algebra 2/Trigonometry
	Living Environment
	Earth Science, Chemistry or Physics
	Second Language

The Local Diploma

For many years students could earn a Local Diploma in New York State. However, local diplomas for general education students are being phased out. Students are now required to take and pass the Regents examinations listed above. Currently, if a student earns a score of 55-64 on any of the examinations required for a Regents Diploma, the student would instead receive a local diploma. This option is being phased out according to the following schedule:

- For students entering 9th grade in 2006… General education students must have at least three scores at 65 or above on the five required Regents examinations and all other Regents examination scores at 55 or above.
- For students entering 9th grade in 2007… General education students must have a least four scores at 65 or above on the five required Regents examinations and the other Regents examination score at 55 or above.
- For students entering 9th grade in 2008 and thereafter… General education students must pass all five required Regents examinations at a score of 65 or above.

Students with disabilities who enter 9th grade in 2005 and thereafter will continue to have the opportunity to earn a Local Diploma if they achieve a score of 55-64 on each of the five examinations required for a Regents Diploma.

High school grading policy

Grading Equivalents

The Hornell City School District has a numerical grading system. Listed below are the letter grades, grade equivalents, and their meaning.

Numerical	Letter	4.0 System
100-95	A	4.0
94-90	A-	3.7
89-87	B+	3.3
86-84	B	3.0
83-80	B-	2.7
79-77	C+	2.3
76-74	C	2.0
73-70	C-	1.7
69-67	D+	1.3
66-65	D	1.0
64-0	F	0

Alternate Grades

Incomplete (I)

A mark of incomplete may be assigned if a student has missed a large amount of class time and required work. The student is given a timetable which is to be followed to make up all missed work without penalty. All work will be made up before the next five-week interim report is issued. When the work is made up, a grade will be assigned and the incomplete will be removed. The student will receive the earned grade if work is not completed during this time period.

No Grade (NG)

A student may receive No Grade (NG) as a mark for final averages as stipulated by district policy. Students who enter a class toward the end of a marking period or do not complete sufficient work will receive an incomplete (I) and be responsible for the work as outlined in the Incomplete section above. If an NG is earned as a final grade, no credit is granted for the year and the entire course must be repeated. The building principal will determine if sufficient work was completed in the course to merit repeating the course in summer school.

Assigning a Grade Below 50

When a student has a grade below 50 for a marking period, the teacher must submit to the principal the *Intent to Record Grade Below 50 or NG* form. A copy of this form will be given to the Guidance Office, the student's parent(s)/guardian(s), student, and teacher. The student will receive a grade of Incomplete for a specified period of time. If the work is not completed, the student will receive the grade earned, which may be below 50. Students will get a minimum grade of 50 if no paperwork is submitted, unless it is the final marking period of the course.

Credits and Promotional Requirements

Level	Required Credits*
Freshman	Completion of 8th grade
Sophomore	5 Credits
Junior	11.0 Credits
Senior	Eligible to graduate in June of that school year

* Please note the required credits in each category are minimums. Any exceptions to the grade level requirements listed above must be approved by the principal.

Class Ranking

Ranking is done at the end of the first semester of the twelfth grade year. Courses used for ranking are: English, Social Studies, Math, Science and Second Language. Weighting given to courses within these subject areas are provided below:

Course Level	Weighting
AP Courses	1.10 x final grade in the course
4th year courses in Math,Science & Second Lang*	1.07 x final grade in the course
Regents courses with exams	1.05 x final grade in the course
Regents courses without exams**	1.03 x final grade in the course
Non-Regents courses ***	1.00 x final grade in the course

* Examples of courses offered in this area are: Pre-Calculus, Spanish/French 4, and Physics
** Examples of courses offered in this area are: Eng 9, Global Studies 1, French and Spanish 1&2
*** Examples of courses offered in this area are: Business Math, Forensics, and Algebra 1A.

A student must be enrolled as a full-time student at the Hornell High School in order to be considered valedictorian or salutatorian of his/her graduating class with four consecutive semesters prior to the determination of a class's rank order. Students wishing to graduate early must declare their intention to do so, in writing, no later than the end of the first semester of their sophomore year. Students declaring their intentions at this time are eligible to be considered as valedictorian or salutatorian, an honor graduate, and placed in the class's rank order in the year they graduate.

Grade Point or Class Average

All subjects are used to determine class average on a totally unweighted basis. This is the figure used on a student's transcript and the only number that the student sees. A student is encouraged to take elective subjects of interest in non-ranking subjects.

Honor Roll

Each marking period student averages are used to determine eligibility for 1st and 2nd Honor Roll status. Students with an 85 or better average earn Honor Roll designation and the students with a 90 or better average earn High Honor Roll designation. Students with incompletes, no grades, or failed grades cannot be considered for Honor Roll. Students taking AP or college courses affiliated with Corning Community College and performing at 85% or higher earn Advanced High Honor Roll status.

Final Examinations

Students must sit for ALL final exams required of their classes, unless prior arrangements have been made (i.e. the Regents exam was taken in January for a course ending in June). All Regents level classes culminate in a Regents exam which is a statewide exam given on specific times and dates. In addition, all classes which precede a Regents class will culminate in a local examination created and administered by the classroom instructor. Students failing to take a final exam will receive a grade of NG (No Grade) in the course.

Student Final Exam Exemption Policy

Hornell High School students who have maintained an outstanding average may be exempt from taking a local final exam at the end of the academic school year. The following criteria are used to determine whether a student shall be exempt:

- A student must maintain a cumulative average of 90+ for all four (4) marking periods.
- Students with an incomplete or with work which has not been turned in at the end of the fourth marking period will not be exempt.
- Teachers will notify students of their exemption status on or about the first Friday in June at the end of the fourth marking period.
- Students CAN NOT be exempt from classes that culminate in a Regents Exam.

Credit by Examination

New York State Regents provision [100.5(9)(1)] allows students to earn credit for either a Regents or local diploma without completing units of study for such credit. This states that students may earn credit for knowledge or study learned elsewhere. Such credit can be granted based on specific requirements set by the State Education Department and the local school board.

There are four distinct steps that must be successfully completed before credit can be granted in accordance with this provision: (1) A student must apply for credit by examination through the Guidance Office; (2) A student must demonstrate through past academic performance that he/she will benefit academically by exercising the alternative; (3) A student must achieve a score of at least 85% on a state developed or approved examination; and (4) A student must pass an oral examination or successfully complete a special project to demonstrate proficiency in the subject matter area.

Students with questions or interest in pursuing this process, must meet with their guidance counselor. The application needs to meet specific deadlines stated in the *Guidelines for Credit by Examination.* The opportunity to earn credit for previous knowledge and work should not be entered into lightly.

Independent Study

Students who need acceleration, or who cannot schedule a course into their schedule, may be assigned Independent Study. An Independent Study program requires a plan of study, which is developed by a teacher for the student. The teacher and principal must approve permission for this course of study.

Grading Policies

Final end-of-the-year averages for students in a Regents class will be computed as follows:

Class Average (80%) + Final Exam, if required (20%) = Final Grade Class Average

All students in Regents level classes will take the Regents exam at the end of the year. Failure to take or show up to the Regents exam will result in a grade of NG for the class and denial of any credit. When a student misses a Regents examination due to extenuating circumstances, the student may take the exam at the next available offering with administrative approval.

Students who pass the exam with a 65% or higher and have a 65% or higher course average will earn Regents credit toward graduation. Students taking Regents level science courses that require the completion of labs must successfully meet the course lab requirements in order to sit for the final examination. Students who fail to meet lab requirements by mid-year may be deemed as not meeting the class requirements and removed from the class according to Board Policy. Students may retake the Regents science course the following year.

Students that fail to pass a course may earn the credit for that course by retaking the course at the next opportunity or attending summer school to improve the student's overall grade. Students are eligible to attend summer school if the following criteria are met: (1) Earn a minimum final grade of 54 for the course; (2) The student earned a grade in each marking period and final assessment.

The summer school grade will be averaged with the school year course and Regents Exam using the formula below. The highest Regents Exam score will be computed into a student's overall grade. Where there is no Regents Exam, the final averages from the school year and summer school will be averaged together equally.

School Course Average (40%) + Summer School average (40%) + Regents Exam (20%)

The building administration may alter or amend these guidelines in the event of extenuating circumstances. Each situation will be handled on a case-by-case basis.

DROPPING AND ADDING COURSES

The preferred time for a student to alter his or her schedule is during drop-add period in August. Students dropping a course will add a course to remain consistent with the expectation that all students shall carry a full schedule, 6.5 credits or equivalent. The course change must be consistent with the student's overall academic plan. If alternations need to occur after the first week of school, changes may occur according to the following timeframes.

For FULL year courses*:

- Week 2 - Week 4: If after student has conferred with instructor for ongoing extra help, students must obtain written permission from his/her parent, counselor, and the teacher to drop a course.
- If either the parent, counselor, or teacher disagrees with the request, a parent conference is scheduled.
- After the 4th week and continued student and instructor extra help sessions, permission of the principal is also required to drop and/or add a course.

For HALF year courses*:

- Beginning the second week of school and continuing through the 4th week, a student must first arrange for extra help with teacher. If student still wishes to drop the course, they must obtain written permission from parent, counselor, and teacher to drop a course. If either the parent, counselor, or teacher disagrees with the request, a parent conference is scheduled.
- After the 2nd week, permission of the principal is also required to drop and/or add a course.

*If a student is permitted to drop a full or ½ year course after the 4th or 2nd week respectively, a notation will be made on the student's permanent record as follows: *Withdrawn passing* (WP) or *Withdrawn failing* (WF)

For college credit courses:

Courses taken for college credit through Corning Community College are subject to the college policy for dropping classes. **A student dropping a course after the deadline established by the respective college is still responsible for the cost of the class**. Costs for the course must be paid in advance of taking the course in order for the student to earn college credit.

COLLEGE AND CAREER COUNSELING SERVICES

The Hornell High School Guidance Office offers numerous services to help students make responsible decisions regarding college and career choices. While the services offered most directly affect Juniors and Seniors, the services are open to all HHS students. In addition to the following list of services, counselors are available to assist all interested students and parents with the college selection and the application process. Parents may make an appointment with their student's counselor to discuss any other pertinent issues that may arise during this important process.

Financial Aid

Financial aid forms for the student's freshman year in college are not available until late December of the student's senior year of high school. Students may pick up financial aid forms from the Guidance Office when the forms become available but may not submit the forms for processing until after January 1st.

Families can now file financial aid applications electronically by going to www.fafsa.ed.gov. Once the financial aid information is submitted, specific questions about financial aid issues should be directed to the Financial Aid Office of the student's college choice.

Scholarships

Applications for many scholarships become available in the Guidance Office throughout the school year. Students should become aware of the application deadlines that pertain to their scholarships of interest. For example, applications for the Alumni Grants awarded at graduation become available at the end of April. The application deadline is in mid-May.

Testing Services

While there are many standardized tests offered to students at HHS, two of the most important for college-bound students are the Preliminary Scholastic Aptitude Test (PSAT) and the Scholastic Aptitude Test (SAT). The PSAT is offered to college-bound juniors who have pre-registered in the fall of their junior year. As a regional testing center, the SAT test is offered at Hornell on selected Saturdays in October, December, January, and June. Registration forms are available in the Guidance Office or students may register on-line at www.collegeboard.com.

Military Recruiters

Each branch of the Armed Services sends representatives to HHS to speak with students interested in prospective military opportunities and careers throughout the school year.

BOCES Wildwood Educational Center Visitation

Students interested in vocational education may the BOCES Wildwood Campus to explore program offerings. Visitations are offered in the spring of the student's sophomore year and/or individually on an as-needed basis. The Guidance Office schedules all visitations.

Records and Transcripts

The school's Guidance Office is the center for all academic records. Students or alumni wishing to have records forwarded to colleges or employers must do so through this office. Requests can be made through the Guidance Office by mail, phone, or in person, Monday – Friday, 8:30 a.m. – 3:00 p.m. Please provide suitable processing time for this request. **(Please note: summer hours are limited.)**

NCAA Clearinghouse

Most students receive financial aid from colleges or universities based upon financial need and scholarship rather than athletic ability. However, those students who possess the athletic ability to be recruited by a Division I or II school need to be aware of the NCAA Clearinghouse process.

Student athletes going to a Division I or II College or University must meet academic standards established by the NCAA. All freshman student athletes must register with the NCAA Clearinghouse. The Clearinghouse assesses each student's transcripts, to determine whether the student meets minimum academic standards for athletic participation at NCAA Division I or II levels of competition. By using the Clearinghouse process, coaches and universities avoid recruiting unqualified or academically ineligible students. NCAA Clearinghouse applications are available in the Guidance Office.

College Resources Area

The Guidance Office has a separate information area with college catalogs, Internet access, and references available to students. These resources are intended to help student find information regarding many college-related topics including: planning for college; finding a college; applying to college; and paying for college. Students may also complete electronic or paper applications for various colleges and universities including the Common Application for SUNY schools.

College Night

Each September, Hornell High School hosts "College Night" for both our school and neighboring schools. Representatives of colleges, military branches and local banks are available to present information and answer questions for students and parents. This is a service that is free to all.

College Visitations

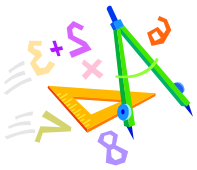
Many colleges and universities send representatives to our school to speak with prospective students about their institutions. Visitations are announced on the morning announcements and are also posted in the Guidance Office.

Advanced Placement (AP) Courses

Students have the opportunity of earning college credit for their work by taking Advanced Placement courses. At the end of an AP Course, a special exam is administered in May. **Students are responsible for the testing fee ($87) required for this course.** This exam is prepared and scored by the College Board. Every exam receives a grade based on a 5-point scale: 5 (extremely well qualified) to 1 (no recommendation). Scores of 3 or higher are considered scores that may earn a student credit, although this varies among colleges and universities. An AP Grade Report is then sent in July to each student, the student's high school and the college of the student's choice. The college that the student selects to enroll in makes the decision to award or not award credit.

Any student participating in an AP course should recognize that the teacher's expectations concerning homework and class work exceed those for the regular course offerings because of the potential to earn college credit. Students will be selected for participation in Advanced Placement courses based on their interest, demonstrated academic ability and teacher recommendation. The following AP courses are available based upon enrollment requests:

AP Calculus (AB)
AP Statistics
AP Psychology (every other year)
AP English 12 – Literature and Composition
AP English 11 – Language and Composition
AP Chemistry
AP United States History
AP European History



College Credit Classes Through Corning Community College - www.corning-cc.edu

Students who are enrolled in the following courses may also receive credit from Corning Community College. These courses cost $38 per credit hour. (2010-2011 rate) Students will not be enrolled for college credit until the course fee is paid. Students may take these courses without earning college credit. Any student who withdraws from these courses after the *college deadline* will still be responsible for any costs.

American History I
Accounting Practices
Computer Literacy & Microcomputer Applications
Calculus I
General Biology I
General Biology II
General Chemistry I
General Chemistry II
Intermediate Spanish
Spanish Composition and Conversation
Intermediate French
French Composition and Conversation

Alfred University's High School Special Student Program - www.alfred.edu

Qualified seniors at Hornell High school have the opportunity to take course work at Alfred University. Courses are available to supplement the academic program with classes that might otherwise not be available at Hornell High School.

High School seniors from Steuben county are eligible to take up to eight (8) semester hours of 100 and 200 level courses at a reduced tuition rate. Eligibility begins with the summer before their senior year and ends at high school graduation. Students in this program may register for courses at the registrar's office, located in Seidlin Hall, for fall and spring courses, and at the Summer School Office located in Myers Hall, for the summer sessions. Entrance into a particular course will depend upon available openings in the course. Students enrolled in this program are not guaranteed acceptance into any degree program at a later date. Students may obtain an application for this program from their school counselor. The following guidelines apply to any student wishing to participate in this program:

- All expenses, including tuition, fees, books, and transportation, must be paid for by the student. Hornell City School District is not responsible for any costs in this program.
- Each student enrolling must meet admission criteria for each of the respective colleges.
- Students are not permitted to substitute any course for any required course work at Hornell High School. (e.g., English, government, economics, etc.).
- Some courses offered have limited seating. Classes that have filled their seating capacity will not be available for enrollment.

The school counselor's approval is required for enrollment in college classes.

All fees and guidelines for college course and awarding of credit are subject to change.

Hornell High School offers the following courses to provide a rich, rigorous, and engaging curriculum for all of our students. However, not all of these courses will be offered each school year. Courses run each year based on available resources, staffing, and student interest in the course. Courses with low enrollment may be cancelled.

Art Department

Studio Art is the prerequisite for all courses.
Students may choose 4 additional credits from the sequences below.
Courses in **boldface** are full-credit courses; all others are .5 credits
Students are not required to follow a particular sequence and may choose courses from each to fulfill the 5 credits.

Commercial Art Sequence
Photography I & II
Drawing
Painting
Computer Graphics
Publication Design

Fine Art Sequence
Drawing
Painting
Photography I & II
Sculpture
Ceramics
Advanced Ceramics
Advanced Art

Course Title: Essentials In Art

Prerequisite: Must be a Junior or Senior **Examination:** No Final Examination
Credit: ½ Credit

Syllabus: This half year art class is structured for the "non-art" student. You do not have to major in art to take this class. "Essentials In Art" is both an art history class and a studio class. Quizzes are given once a week, a chapter art project and a brief paper to be completed by the end of the semester.
Materials Needed: Sketchbook.

Course Title: Studio Art

Prerequisite: None **Examination:** Departmental or Local Examination **Credit:** 1 Credit

Syllabus: A foundation course intended as a year long course for the student majoring in art and also for those desiring a broad general background in the visual art experiences. Studio Art focuses on understanding, knowledge, appreciation and application of the fundamental visual art principles and elements. Some art history is included. A host of art studies are realized through video and lectures. **Materials Needed:** One 9x12 sketchbook, pencil, 2-pocket folder with loose-leaf paper.

Art Department

Course Title: Drawing And Painting

Prerequisite: Successful completion of Studio Art

Examination: Departmental or Local Examination **Credit:** ½ Credit

Syllabus: Students use traditional art materials such as oils, tempera, pastels, markers, etc. Drawing skills and various techniques are emphasized. Drawing subjects can range from studying perspective, drawing the human figure and face, imagination to abstract interpretations. Students may paint on canvas, canvas board or stretch canvas, using mostly acrylic paints. Some watercolors may be included. Painting may be large or small, with various approaches to subjects used. Traditional works of still life, figure study, animal studies, landscape, seascape, and floral studies are discussed, analyzed and pursued. **Materials Needed:** A sketchbook, notebook, pencil, and pens.

Course Title: Photography I

Prerequisite: Successful completion of Studio Art

Examination: Departmental or Local Examination **Credit:** ½ Credit

Syllabus: This Photography class will meet 5 days per week for ½ credit. Students need an additional 2-4 study hall periods per week for darkroom time. The class is an introduction to the art of photography and dark room techniques. **Materials Needed:** A 35mm camera, if the student has access to one. (A limited number of school cameras are available for student in-school use)

Course Title: Photography II

Prerequisite: Successful completion of Photography I

Examination: Departmental or Local Examination **Credit:** ½ Credit

Syllabus: This Photography class meets 5 days per week for ½ credit. Students will need an additional 2-4 study hall periods per week for darkroom time. The class is an advanced class in the art of photography and dark room techniques. Students learn advanced techniques in photography.

Materials Needed: A 35mm camera, if the student has access to one. (A limited number of school cameras are available for student in-school use)

Course Title: Computer Graphics

Prerequisite: Successful completion of Studio Art **Examination:** Local Examination

Credit: 1 Credit

This class provides students with an introduction to basic visual communications in the field of graphic design. Students use scanned images, digital art, clip art, and computer generated images to create graphic designs. Adobe Photoshop and Illustrator software are used in the class.

Course Title: Ceramics I

Prerequisite: Successful Completion of Studio Art

Examination: Departmental or Local Examination

Credit: 1/2 Credit

Syllabus: The Ceramic course is designed for the student interested in working with clay. It includes the use of the pottery wheel, properties of glazes, experimentation with various methods of hand building, historical and contemporary use of clay.

Materials needed: Pen, pencil, notebook, and folder.

Art department

Course Title: Ceramics II

Prerequisite: Successful Completion of Ceramics I

Examination: Local Examination **Credit:** 1/2 Credit

Syllabus: Further exploration of clay throwing and hand building techniques introduced in Ceramics I.

Materials needed: Pen, pencil, notebook and folder.

Course Title: Advanced Ceramics

Prerequisite: Successful completion of Ceramics

Examination: Departmental or Local Examination **Credit:** ½ Credit

Syllabus: An advanced course designed for further exploration and insight into clay and bodies. More time is spent on complicated structures and surface decoration. Individual input and design on one's own projects are encouraged. **Materials Needed:** notebook

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Course Title: Advanced Art

Prerequisite: Successful completion of Studio Art

Examination: Departmental or Local Examination **Credit:** ½ Credit

Syllabus: This course is at an advanced artistic level. It covers advanced levels in all the art courses taught.

Materials Needed: One 9x12 sketchbook, pencil, and a 2 pocket folder with loose-leaf paper.

Business department

All students interested in completing a sequence in business or entering the workforce should take Information Technology and Career and Financial Management.

Business Sequences

Business Administration

- Career and Financial Management
- Information Technology
- Intro to Microcomputer Applications (ACE)
- Principles of Marketing
- Business and Personal Law

Marketing Career Clusters

- Career and Financial Management
- Information Technology
- Intro to Microcomputer Applications (ACE)
- Web Design
- Principles of Marketing
- Business Law

Accounting/Finance

- Career and Financial Management
- Information Technology
- Accounting I
- Accounting II
- Business Math

Computer Tech. Majors

- Career and Financial Management
- Information Technology
- Business and Personal Law
- Web Design
- Digital Movie Making & Multimedia
- Intro. To Microcomputer Applications (ACE)
- Audio Production
- TV Media (see English Department)
- Computer Graphics (see Art Department)

Course Title: Information Technology

Prerequisite: None **Examination:** Departmental **Credit:** 1/2 Credit

Syllabus: Students will gain the technological knowledge required to succeed in today's educational and working environments. Learning topics include word processing, spreadsheets, software integration, Web 2.0 tools, digital imaging, audio and video manipulation, internet safety, and computer competency.

Course Title: Accounting I

Prerequisite: None **Examination:** Departmental **Credit:** 1 credit

Syllabus: This first year course in accounting allows students to gain an understanding of the accounting cycle as it relates to a sole proprietorship and a merchandising business organized as a partnership. Problems and real life simulations are completed manually and on the computer so that students understand the computerized accounting process.

Business department

Course Title: Accounting II

Prerequisite: Accounting I **Examination:** Departmental **Credit:** 1 credit

4 college course credits through Corning Community College—see guidance counselor for details

Topics include: fundamental principles of accounting, the accounting cycle and basic procedures, statement of financial position, determination and reporting of periodic earnings, cash and accrual basis of accounting; accounting for a merchandising firm and inventory valuation, principles of internal control; and accounting for the acquisition, depreciation, and disposal of property plant, and equipment.

Course Title: business math

Prerequisite: None **Examination:** Departmental **Credit:** 1 credit

Syllabus: This course is designed for students to develop the specific skills required to solve a wide variety of mathematical problems commonly found in everyday personal and business situations. Successful completion of this course, within prescribed guidelines, will provide one unit of credit, which may be used as one of the two units of mathematics required for a local diploma or as one unit of a 3-unit mathematics sequence.

Course Title: Digital Movie-Making & Multimedia

Prerequisite: None **Examination:** Departmental **Credit:** 1/2 credit

Syllabus: Students in this one-semester class will learn to create digital images, animations, videos and sound for use on the web and in multimedia presentations. Students will use a variety of software programs, computers, and peripheral equipment to create, communicate, and present their ideas to a variety of audiences.

Course Title: business and Personal law

Prerequisite: None **Examination:** Departmental **Credit:** 1 credit

Syllabus: Business and Personal Law is designed to educate students about laws that will aid them in their everyday life! Areas of the law included are contracts, labor law, collective bargaining, discrimination, employment, torts, crimes, constitutional and common law. In addition, students will learn about credit card laws, fraud protection, consumer protection, ATM liability, electronic banking, billing mistakes, warranties, online payment, online liability, internet purchases, returns, leases, mortgages, business and personal loans, etc. This class allows students to explore and understand cyberspace, its development, dynamics, norms, standards, and need or lack thereof for laws and sanctions.

Business department

Course Title: Principles of Marketing

Prerequisite: None **Examination:** Departmental **Credit:** 1 credit

Syllabus: This course is designed to introduce you to the role of marketing on everyday consumer decision-making in three key areas: sports, entertainment, and fashion. We look at how all three industries focus on using the latest research and marketing methods to promote their product, but also look to identify new related products designed to increase their overall revenue. Included will be basic terminology and marketing principles, target marketing and segmentation, sponsorship, event marketing, promotion plans, sponsorship proposals, and implementation of marketing plans.

As the year progresses you will be asked to apply your learning in a true business environment. Through the use of technology, you will manage a real business, and make decisions in which you visibly see your results through profit or losses.

Course Title: Intro to Microcomputer Applications

Prerequisite: Info Tech **Examination:** Departmental **Credit:** 1/4 units ACE through Corning Community College (CSIT 1390)

Syllabus: Students will complete projects integrating spreadsheets, databases, word processing and graphic presentations with embedding and linking applications. Windows operating system will be utilized throughout the semester. Hardware analysis, operating system comparison, the binary number system manipulation, and telecommunications and network technology literacy will be studied.

Business department

Course Title: Career & Financial management

Prerequisite: None **Examination:** Departmental **Credit:** ½ credit

Syllabus: Career and Financial Management (formerly known as Introduction to Occupations) is a New York State course required of Career and Technical Education students in which students learn about the features of our economy, explore a variety of careers, learn the skills and competencies needed for success in the workplace and begin to become financially literate. Topics covered in this course include: basic economics; career planning, selection, and success; entrepreneurship; work laws; budgets; checking and savings accounts; taxes; credit; and insurance and consumer rights. The skills acquired in this course are the necessary life skills needed by *all* students and is therefore recommended for *all* students, not just those obtaining a CTE sequence.

Course Title: web design

Prerequisite: None **Examination:** Departmental **Credit:** 1 credit

Syllabus: This course is designed to provide the student with the skills and experience to produce professional looking and functional websites. Students will learn basic HTML, Microsoft FrontPage, and Flash in the production of their websites. In addition, students learn how business concepts apply to the electronic world of e-commerce. Students create personal, informational, and corporate presence websites. As a final assessment, students will create original websites for local businesses.

Technology Education

A five (5) credit sequence in Technology Education (Technical Drawing, Computer Aided Design and Drawing, Architectural Drawing, plus 2 additional credits in Computer Design (or related courses), Information Technology, and or Photography is one pathway for students to earn a Regents Diploma with Advanced Designation.

5 unit sequence in Tech. Education

- Technical Drawing
- Architectural Drawing
- Computer Aided Drawing (CAD)
- Principles of Engineering (1/2 credit)

Plus one credit from the following:

- Careers and Financial Management (1/2 credit)
- Robotics (1/2 credit)
- Computer Graphics
- Photography (1 full year)

Course Title: Computer Aided Design & Drawing

Prerequisite: Successful Completion of the first year of Integrated Algebra. Completion of Technical Drawing is helpful but not required.

Examination: Local Examination **Credit:** 1 Credit

Syllabus: This course is designed to provide an overview of computer-aided drawing (CAD) and computer aided design and drafting. (CADD). Students will gain knowledge of drafting fundamentals, drafting techniques and skills, descriptive geometry, CAD application, and drafting and design applications. The student will apply the knowledge of the principles of drafting using AutoCAD software. The contrast between CAD and mechanical (or board drafting) will be emphasized. More advanced drawing techniques like three-dimensional drawing techniques, sectional views, auxiliary views, and working drawings will be covered in this course.

Materials needed: Folder, notebook, pens, pencils and possibly a calculator.

Course Title: Technical Drawing

Prerequisite: None **Examination:** Local Examination **Credit:** 1 Credit

Syllabus: This course will place an emphasis on learning precision drawing. The following areas will be covered during the length of the course: Technical Sketching; Mechanical Drawing; Engineering Drawing; Descriptive Geometry; and Architectural Drawing. Students considering careers in the engineering, architecture, building trades or other related technical careers should take this course.

TECHNOLOGY DEPARTMENT

Course Title: Architectural Drawing

Prerequisite: Successful completion of Technical Drawing or Computer Aided Design & Drawing. Without these courses, Instructor's approval is required.

Examination: Local Examination **Credit:**1 Credit

Syllabus: The goal of this course is to give students an introduction to the field of residential home architecture and to assist future homeowners in better understanding how a home is designed and built. This full year course allows students to develop a full set of working residential home floor plans. Students create a set of residential home floor plans that include foundation, floor, elevation and plot plans for a selected home. A scale model of the designed home is also constructed. Students learn about basic building principles as well as local building codes and zoning laws.

Who should take this course? Students considering the engineering, architecture, building trades or other related technical careers. Students who have a goal of building their own home or seek a better understanding of how a home is built would also benefit from this course.

Course Title: Principles of Engineering and Design

Prerequisite: Successful completion of Integrated Algebra course and Regents exam. Completion of Technical Drawing and/or Computer Aided Drawing and Design is helpful but not required.

Examination: Local Examination **Credit:** 1/2 Credit

Syllabus: This course provides an introduction to the field of engineering and other technical professions. Principles of Engineering is a year long, hands-on, laboratory-based course which introduces students to concepts of engineering with a focus on the design process to solve problems in "real world" case studies. Any student who thinks they might be interested in engineering, architecture, or other technical careers should take this course. **Materials needed**: Folder, notebook, pens, pencils and possibly a calculator.

Course Title: Introduction to Robotics

Prerequisite: none **Credit:** 1/2 credit

Syllabus: The Introduction to Robotics High School elective will introduce designing, programming, and building basic robots. This semester elective course is hands on and project based. Students will design several robots including some of their own design. They will learn basics on how to program, uses sensors and radio control their robots. The course will end with a final project where students design their own robot based on a given challenge. The final project and course will end with an in-class competition. There is the possibility of students participating in local or regional competitions.

Family and Consumer Sciences Department

Course Title: Exploring Foods

Prerequisite: None (Senior High Elective) **Examination:** Departmental **Credit:** 1/2 Credit

Syllabus: Exploring Foods is a 20-week elective course designed for juniors and seniors. This course explores the many aspects of food, including buying, storing and preparing. Nutritional content and experimentation of recipes are also presented. The course includes investigation of food budgeting and simple meals for teens. Class size is limited to 16 due to equipment needs.

Materials Needed: Folder, notebook paper, pen or pencil.

ENGLISH DEPARTMENT

COURSE TITLE: ENGLISH 9

Prerequisite: Successful completion of English 8 **Examination:** School Exam **Credit:** 1 Credit

Syllabus: In 9th grade English, students experience and review different types, or genres, of literature including drama, short stories, poetry, and non-fiction. Several novels such as *Lord of the Flies*, *The Pearl*, and *I Know Why the Caged Bird Sings* are often assigned. The Shakespearean play *Romeo and Juliet* is a traditional favorite at this level. Reading, vocabulary, grammar, and writing skills are practiced along with the literature units. Other topics and activities include: mythology, the newspaper, individual silent reading, and a mini-unit in research. **Materials needed:** Textbook, notebook, pen and pencil.

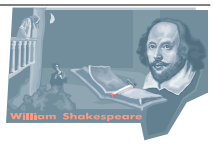
COURSE TITLE: ENGLISH 10

Prerequisite: Successful completion of English 9 **Examination:** School Exam **Credit:** 1 Credit

Syllabus: English 10 is a genre-based survey of literature stressing all four areas of the language arts: reading, writing, speaking, and listening. The course of study includes the short story, the novel, drama, poetry, and a wide range of non-fiction with emphasis placed on the study of literary terms in order to analyze, interpret, and understand a literary work. Writing is stressed through the composition of analytical and critical essays, personal reactions and responses, creative writing, and journal responses. Speaking takes the form of class discussions, presentations, formal and informal debates.

Materials needed: Spiral or loose-leaf notebook, journal, pencil and pen.

COURSE TITLE: ENGLISH 11



Prerequisite: Successful completion of English 10
Examination: NYS Regents Comprehensive Examination in English (ELA 11)
Credit: One (1) Credit

Syllabus: English 11 is a course designed to study American literature. During the course of this year, students examine a wide variety of literature (including novels, poems, short stories, plays, essays, speeches, song lyrics and films) from a diverse range of authors. Some of these works are read independently, while others are read as a group. Possible longer works to be studied include *The Color Purple, One Flew Over the Cuckoo's Nest and Death of a Salesman.* Class work includes discussion, writing, independent work and cooperative group projects.

Materials needed: Standard spiral-bound notebook (used only for this class); if this notebook does not contain pockets for handouts, then a simple 2-pocket folder should also be obtained. Alternately, you may be asked to use loose-leaf paper and a 3-ring binder; check with your instructor. In addition, you should also come to class each day prepared with pens and pencils.

COURSE TITLE: BOOK CLUB

Prerequisite: Successful completion of English 10 **Credit:** .5 Credit

The purpose of this course is to empower the student as a reader by providing them with choice and discussion. The student examines and interprets important features in a work of literature through literary logs and literary analysis papers. The student is expected to read one classic and one contemporary work (teacher's choice); and **six works** of their own choice.

English department

Course Title: AP English Language & Composition (AP English 11)

Prerequisite: Successful completion of English 10. Students must also successfully complete summer work assigned by the instructor.
Examination: AP English Language & Composition Exam **(exam fee of $87 billed to family)** and NYS Comprehensive Regents Examination in English **Credit:** One Credit

Syllabus: This course is two courses in one; it serves as the student's English 11 requirement with students having the opportunity to enroll in Corning Community College for college credit.

The content of this course is in accordance with the recommendations of the Advanced Placement Language and Composition curriculum established by the College Board. Emphasis is on the analysis of non-fiction and the rhetorical techniques used by authors to persuade an audience. Composition is a mix of creative and formal writing, stressing the use of MLA to properly cite sources. The course satisfies the Regents requirement, intertwining the American literature studied in Regents level classes with the rhetorical modes studied throughout the year.

Students spend time preparing for the Regents ELA exam, given in January, and the AP Language and Composition Exam, administered in early May. Students earning a grade of 3 or higher may be exempted from freshman English course requirements, at the discretion of the particular college/ university. (It should be noted that those students who choose to enroll in the Corning Community College program will receive credit directly from the college, which can often be transferred to other academic institutions.)

12th grade English

Senior English is composed of four ten-week mini-courses taught by the Department staff. Seniors must complete all four blocks including one of British Literature and one of Senior Project, and submit a satisfactory Senior Paper to graduate. This approach to English 12 is subject to change. The course selections are:

British Literature: This course provides a brief overview of the major works, preeminent authors, and significant movements spanning 1,500 years of British Literature. The focus of the class will be to trace the evolution of the English language and development of British Literature-with its various literary genres-against the backdrop of British social, cultural, political, and economic history. Selections are chosen by the instructor and may vary slightly.

Senior Project: In this ten-week class students will become proficient with the critical steps of the research process, fluent in MLA citation and formatting, and successfully complete a 2,000-word research paper based on and supporting a thesis. Students will also present their research findings, defend their thesis, and critique their projects in a 10-15 minute oral presentation during the final week of class. Students are guided and mentored through all steps of the research and writing processes by the English Department and Library staffs, but a great deal of independent student work is required. The project and paper reflect the mastery of research, writing, communication, and organizational skills necessary for any graduating senior who plans to enter today's competitive workforce or college.

Senior Electives: Ten week mini-courses offered by various members of the English Department selections have included: The Creative Writing Seminar; A Walk on the Wild Side; Sports Literature; We're Not Going to Take It…; Scandalous Women; Hemingway's Men Without Women.

Note: All seniors must complete two electives along with the required British Literature and an acceptable and on time Senior Project, to complete senior English and earn graduation credit.

English department

Course Title: AP English Literature & Composition (AP English 12)

Prerequisite: Successful completion of English 11. AP English 11 recommended but not required. Complete summer work assigned by the instructor (prior to taking the course).
Examination: AP English Literature & Composition Exam **(exam fee of $87 billed to family) Credit:** One Credit

Syllabus: This course is two courses in one; it serves as the student's English 12 requirement with students having the opportunity to enroll in Corning Community College for college credit.

The course explores a detailed study of each of the four major literary genres: short fiction, novels, poetry and drama. A great deal of reading is expected outside of class time; class is spent in discussion, writing, independent work, and cooperative group projects and presentations. At the conclusion of each genre unit, there is a major project that requires students to demonstrate the knowledge they obtained on that particular genre. Students will also spend time preparing for the Advanced Placement Exam, which is administered in early May. Students receiving a grade of four or five may be exempted from freshman English course requirements, at the discretion of the particular college/university. It should be noted that those students who choose to enroll in the Corning Community College program will also receive credit directly from the college, which can often be transferred to other academic institutions.

Course Title: Public speaking

Prerequisite: Open to students in grades 9 – 12 only **Examination:** N/A **Credit:** ½ credit.

Syllabus: It is a student friendly public speaking course which allows students to find and express their voice. Students must prepare and present their original work on different topics. Development and presentation of ideas are emphasized as students work on a variety of topics.

Course Title: Theatre Arts

Prerequisite: Open to students in grades 9 – 12 only **Examination:** N/A **Credit:** ½ credit.

Syllabus: This course is an overview of "all things theatrical." It begins with a history of theatrical traditions, then examines the various elements that make up a theatrical production: acting technique, directing, technical production, musical theatre, and theatrical criticism. While this is not an "acting class," students will be expected to take part in activities designed to give them "hands-on experience" with aspects of theatrical performance and design.

Course Title: Cinema Studies

Prerequisite: Open to students in grades 9 – 12 only **Examination:** N/A **Credit:** ½ credit

Syllabus: This course is designed to expose students to the history of movies, motion pictures and cinematic art. It begins with the history of cinema, and moves into a survey of various technical aspects of film technique and production, including the various roles of people who work behind the camera, and in front of it, to produce a motion picture. The remainder of the course involves the viewing and discussion/analysis of a series of landmark films, mostly American. Students write reaction papers for each film, analyzing a particular thematic or technical element of the film . In addition, students write movie reviews on their own, and complete two different projects related to movies and film production.

English department

Course Title: TV/Broadcast media

Prerequisite: Open to students in grades 9 – 12 only.
Examination: N/A **Credit:** ½ credit

The purpose of this course is to provide students with an overview of the various aspects of television and media production. This overview should allow a student who wishes to continue in the field of communication to become familiar with:

- The operation of cameras and video/audio mixers and editing equipment
- Types of microphones, connectors, and lighting
- The setup of a permanent or mobile studio
- The many jobs involved in production (make-up, costuming, etc)
- Issues of copyrights, ethics, and professional expectations

Much of the student's grade is earned by delivering the daily announcements and completion of a variety of projects, as well as quizzes and tests.

Course Title: music/audio production

Prerequisite: Open to students in grades 9 – 12 only.
Examination: N/A **Credit:** ½ credit.

This course offers the opportunity to learn various aspects of music and audio production. Students are exposed to the concepts of musical and spoken word composition, arrangement, and performance. They learn about and utilize various technologies available to record live performance. Also, emphasis is placed on post-production: mastering of recordings and polishing for the purpose of committing performances to current sound media (CD, tape, compressed audio, etc.). Final products could include original songs and readings of prose or poetry for public enjoyment. Students are encouraged to have a interest in music; however, this does not require the ability to play an instrument or to sing. Familiarity with computer technology is also beneficial, but not absolutely necessary.

Course Title: Persuasive Writing

Examination: N/A **Credit:** ½ credit.

This half year course affords the opportunity for college bound students to focus on and to write successful editorials, essays of opposing ideas, and essays of argumentation. Students learn the guidelines and elements of each. Students experience the pre-writing, writing and revising, and peer editing and proofreading process for each piece. The purpose is to provide college bound students with extra writing opportunity geared to the writing they will be asked to do in college.

Course Title: Creative Writing Workshop

Examination: N/A **Credit:** ½ credit.

Students write, share, and critique in a collaborative , workshop atmosphere. Writing covers poetry, short stories, and drama. This course concludes with preparation of a portfolio and publication of the best work that each student produces each semester.

Math department

Course Title: Algebra 1A

Prerequisite: Math 8 **Examination**: Local Examination **Credit**: 1 Credit

Syllabus: The curriculum consists of topics in algebra. The pace allows more support time to assist students with practice. Traditional elementary algebra topics such as solving equations, inequalities, operations of real signed numbers, word problems, graphing, factoring, number properties, systems of equations, ratio and proportion are included. This course is followed by Algebra 1B and a Regents Exam in Integrated Algebra. **Materials Needed:** Pens or pencils, folder or binder, paper and calculator.

Course Title: Algebra 1B

Prerequisite: Successful completion of Algebra 1A

Examination: Regents Examination in Integrated Algebra **Credit:** 1 Credit

Syllabus: This course is a continuation of Algebra 1A with the goal of preparing students to be successful on the Integrated Algebra Regents Exam in June. Topics covered in Algebra 1A will be reviewed and expanded, and new topics will be introduced to fulfill the Integrated Algebra Regents curriculum. An emphasis is placed on comprehension and interpretation of word problems as they arise throughout the curriculum. Topics include algebraic manipulation, geometry, probability/statistics, graphing, systems of equations and inequalities, and logic. **Materials needed:** Same as Algebra 1

Course Title: Algebra 1 or Algebra 1-8 (for grade 8)

Prerequisite: Successful completion of Math 8

Examination: Regents Examination in Integrated Algebra **Credit**: 1 Credit

Syllabus: This is the first math course earning high school credit. The course is appropriate for students with very good study habits and a quality background in mathematics skills. Traditional elementary algebra topics such as solving equations, inequalities, operations of real signed numbers, word problems, graphing, factoring, number properties, systems of equations, ratio and proportion are included. Newer topics such as probability, statistics, problem solving, and geometry (not including formal proofs) are also introduced. The course culminates with each student successfully completing a Regents exam in June.

Materials Needed: Pens or pencils, folder or binder (no special type is required), and paper and calculator.

Course Title: Geometry

Prerequisite: Successful completion of Integrated Algebra

Examination: New York State Regents Examination in Geometry **Credit**: 1 Credit

Syllabus: Integration of geometry, logic, and algebra focusing on problem solving, extensive use of proof methodology, congruent and similar triangle, polygons, quadrilaterals, transformational geometry, special concepts, coordinate geometry, solids, circle geometry, locus and construction in geometry. The NYS Regents Exam in Geometry is taken in June.

MATH DEPARTMENT

Course Title: Introduction to Trigonometry

Prerequisite: Successful completion of 2 credits of math. (admission only by permission of instructor and guidance counselor.)

Examination: Local Examination **Credit**: 1 Credit

Syllabus: The focus of this course is to prepare students to be successful in Algebra 2/Trigonometry. Topics include, but are not limited to, equation solving, fractions, factoring, word problems, roots and radicals, and trigonometry. The expectation is that students participating in this course will go on to Algebra 2/Trigonometry.

Materials Needed: Notebook, pencil/pen, folder, and scientific calculator

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Course Title: Algebra 2 / Trigonometry

Prerequisite: Successful completion of Integrated Algebra & Geometry
Examination: New York State Regents Examination in Algebra2/Trigonometry **Credit**: 1 Credit

Syllabus: A very rigorous and fast paced math course! Algebra2/Trigonometry students will review topics such as solving 1st degree equations and inequalities, operations with polynomials, algebraic fractions and radicals, factoring polynomials and solving quadratic equations with the quadratic formula. New topics include simplifying complex fractions; rationalizing denominators; solving rational equations and inequalities, and working with relations and functions of several types via their graphs and/or algebraic representations including radical, fractional, quadratic with and without complex roots, absolute value, 1st and 2nd degree trigonometric, exponential and logarithmic; arithmetic of complex numbers; nature, sum and product of the roots of a quadratic equation; solving a quadratic system of equations graphically and algebraically; standard deviation and the normal curve; probability of Bernoulli experiments; binomial expansion; linear, exponential, power and logarithmic regression sequences and series. A graphing calculator will be used and as time allows multiple solutions to problems will be explored. Many of the topics will also be addressed through "real life" examples as the majority of the Regents exams pose questions in this manner.

Course Title: Advanced Algebra

Prerequisite: Successful completion of Algebra 2/Trigonometry

Examination: Local Examination **Credit:** 1 Credit

Syllabus: The course is designed for students completing Algebra 2 / Trigonometry that are not on track to take Calculus either in high school or in college. Students taking the course are college bound but who most likely will not be math majors; students in need of work to re-emphasize and develop their algebraic skills. The use of a graphing calculator will be emphasized where applicable. Topics to be emphasized will also include: algebra processes, manipulation and applications, and SAT review.

Materials: Textbook, pencil, folder to keep notes, homework, quizzes, and tests, and a graphing calculator (one will be loaned to each student).

MATH DEPARTMENT

Course Title: Pre-Calculus

Prerequisite: Successful Completion of Algebra2/Trigonometry or 3 high school math credits with permission of instructor **Examination**: Local Examination **Credit**: 1 Credit

Syllabus: Students spend the first semester reviewing previous math topics with additional emphasis on alternative solutions. New topics include even and odd functions showing inverse by composition and more advanced trigonometric equations. During the second semester students will study the algebra skills needed in calculus, polynomial functions, sign analysis exponential and logarithmic functions including In and E, conic sections, sequences and series, limits and an introductory to the derivative of a function. If time allows polar coordinates, polar graphs and matrices may be studied as well.

Materials Needed: Notebook or binder, pencil, folder, TI-83Plus graphing calculator (one will be loaned to each student).

Course Title: SAT Preparation

Prerequisite: Open to students in grades 10-12 only. **Examination:** N/A **Credit:** ½ credit.

Syllabus: This class is designed to help students maximize their SAT scores. The course will allow students to become comfortable with the design, directions, and structure of the SAT. This course is taught cooperatively by the English and math departments.

Course Title: Math applications

Prerequisite: Successful completion of 2 math credits **Examination**: Local Examination

A project-based course designed to give students a chance to view how mathematics is used in the real world. Emphasis will be placed on working cooperatively to investigate various aspects of mathematics used in different occupations and situations. Multiple aspects of mathematics will be used including algebra, statistics, probability, logic, and geometry. Topics will include, but are not limited to politics/ elections, nutrition, sports statistics, cryptography and math in nature.

Course Title: AP/ACE Calculus AB

Prerequisite: Successful completion of Pre-Calculus
Examination: Corning Community College Final Exam in Calculus I (January) and Calculus II (June) & the AP Exam (May) **(exam fee of $87 billed to family)**
Credit: 1 high school Credit (4 college credits can be earned)

Syllabus: Students review functions and concepts from pre-calculus. Limits will be studied as well as derivatives and their applications. Anti-derivatives and their applications will be studied. This course is offered in conjunction with Corning Community College and students may opt to take it for college credit as well, assuming an enrollment of at least 10 students. Successful course completion earns 4 college credits at the end of the course.

Materials Needed: Notebook or binder, pencil, folder, TI-89 graphing calculator (one will be loaned to each student).

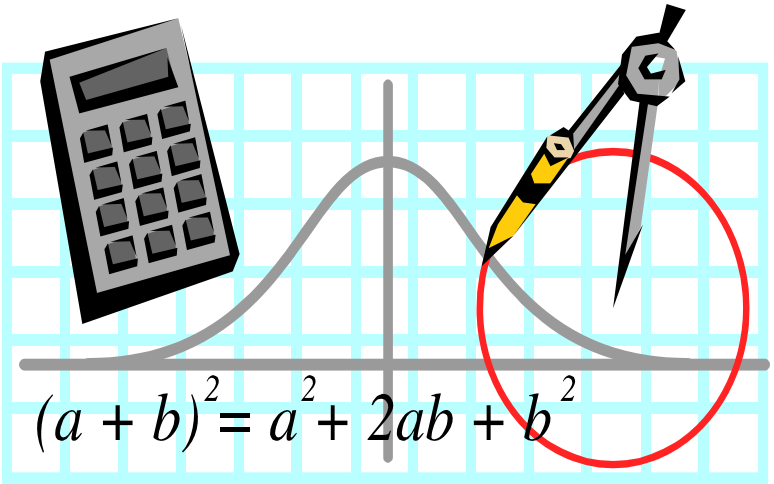
MATH DEPARTMENT

Course Title: AP statistics

Prerequisite: Successful completion of Algebra 2 / Trigonometry or 3 high school credits and permission of instructor
Examination: AP Exam (May) **(exam fee of $87 billed to family)**
Credit: 1 high school Credit

The AP Statistics course introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentations: Planning and conducting a study
3. Anticipating Patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses



MUSIC DEPARTMENT

Course Title: Senior High Choir

Prerequisite: None **Examination:** Departmental or Local Examination **Credit:** 1 Credit

Syllabus: Membership in Senior High Choir is open to any student in grades 9-12. There is no audition required. This ensemble will perform high quality vocal literature requiring a deep understanding of proper vocal production. This performance group is required to present a fall holiday concert as well as a spring concert. This ensemble will have the opportunity to tour and travel to perform and/or participate in music competitions. **Materials Needed & Required:** Pencil, Open Mind, 100% Effort!

Course Title: Women's Choir

Prerequisite: None **Examination:** Departmental or Local Examination **Credit:** 1 Credit

Syllabus: Membership in the Women's Choir is open to any female student in grades 9-12. There is no audition required. The ensemble will focus on technical vocal production necessary to perform high quality vocal literature. This performance group is required to present a fall holiday concert as well as a spring concert. **Materials Needed & Required:** Pencil, Open Mind, 100% Effort!

Course Title: Jazz Choir

Prerequisite: Successful completion of an AUDITION

Examination: Departmental or Local Examination

Credit: 1 Credit

Syllabus: Membership in the Jazz Choir is open to any student in grades 9-12. Each member of this elite performance group must complete a strong successful audition which will be held at the end of the previous school year. This ensemble will study and perform high levels of vocal jazz music which will require a high degree of vocal independence demonstrated at high quality. This performance group is required to give a fall holiday concert as well as a spring concert. This ensemble will also have the opportunity to tour and travel within as well as out of the state to perform and/or participate in music competitions. Performances around the community are expected and mandatory. This ensemble practices after school hours.

Materials needed & required: pencil, open mindedness, 100% effort, purchase of a uniform

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Course Title: Vocabularies of Music

Prerequisite: Ensemble Enrollment **Examination:** Departmental or Local Examination **Credit:** 1 Credit

Syllabus: Students must be currently enrolled in any of the musical ensembles offered in the high school; this will not be restricted to either vocal or instrumental but rather offered to students of both disciplines. This course will focus on four major vocabularies of music:

History	Theory
Sight-Reading	Keyboard

Students over the course of their study will broaden their abilities from an aesthetic appreciation for music to understanding music on a metaphysical and cerebral level. Their application of such knowledge will allow for their acceleration in music while enhancing the core-ensembles of the high school.

MUSIC DEPARTMENT

Course Title: Music Theory I (offered alternating, odd years)

Prerequisite: None **Examination:** Departmental or Local Examination **Credit:** 1 Credit

Syllabus: Music Theory I is a study of the basics needed to read music, listen to music, analyze aspects of musical compositions and compose music. The historical aspects of music are also included. It is a working knowledge of staff lines, pitches, notation, and some media of performance. **Materials Needed:** An inquisitive mind

Course Title: Music Theory II (offered alternating, even years)

Prerequisite: Music Theory I **Examination:** Departmental or Local Examination **Credit:** 1 Credit

Syllabus: Music Theory II is a study of the basics needed to read music, listen to music, analyze aspects of musical compositions and compose music. The historical aspects of music are also included. It is a working knowledge of staff lines, pitches, notation, and some media performance – either vocal or instrumental. This class builds on learning from music history II with emphasis on melodic and harmonic progressions, sight singing, analysis, and harmonization. **Materials Needed:** An inquisitive mind.

Course Title: 9th – 12th grade Band

Prerequisite: Successful completion of 7 & 8th grade Band

Examination: Departmental or Local Examination **Credit:** 1 Credit

Syllabus: Band develops musical skills and promotes certain cultural, aesthetic, and social benefits by performing a wide variety of musical compositions in rehearsal, concert and at school and community events. It develops the musicianship and technical ability of each student through weekly lessons, rehearsal, and required home practice. Grades are based on progress in lesson performances, as well as attendance at practice and ensemble performances. There are two major components of the band course: Concert Band and Marching Band. Students electing to participate in band should be active in both of these components and will participate in all classes and extra class activities.

Materials Needed: Instrument, music, and jackets when practicing outside.

MUSIC DEPARTMENT

Course Title: Show Choir

Prerequisite: Successful completion of an audition

Examination: Departmental or Local Examination **Credit:** 1 Credit

Syllabus: Membership in the Show Choir is open to any student in grades 9-12. Each member of this elite performance group must complete a strong successful audition which will be held at the beginning of each school year. This ensemble studies and performs high levels of vocal music from various musical genres. This performance group is required to present a fall holiday concert as well as a spring concert. This ensemble will have the opportunity to tour and travel to perform and/or participate in music competitions. Performances around the community are expected and mandatory. This ensemble rehearses after school hours.

Materials Needed & Required: Pencil, Open Mind, 100% Effort!, Purchase of a Uniform

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Course Title: Jazz Band

Prerequisite: Current member of the High School Band or special audition permission
Examination: Departmental or Local Examination **Credit:** ½ Credit

Syllabus: Audition or permission of the instructor is required. Jazz Band is an extension of the principles being taught in the basic band. Jazz Band focuses on jazz, pop, and rock music with emphasis on performance techniques used in these idioms. Jazz Band puts much emphasis on the individual performer with the study of improvisation and solo playing. These areas of study require exceptional technique and student willingness to participate. Jazz Band encourages the concert musician to become an all-around "studio" performer – equally adept in both fields. This group performs at scheduled High School Concerts and travels in and out of the community. Other performances may include recording sessions. This ensemble rehearses after school hours.

Materials Needed: Instrument and music.

Course Title: Music History

Prerequisite: None
Examination: Departmental or Local Examination **Credit:** 1 Credit

Syllabus: This full year course is broken into major focuses; from September through December, students focus on the development of music in Ancient Greece until the late 19th century. From January through June, students will study music of the 20th century including but not limited to The Beatles, Led Zeppelin, Pink Floyd, Miles Davis, The Temptations, Nirvana, and Dave Matthews Band. Through the entire course students will devote their study to the development of music and its reciprocal reflection of society and itself.

Materials Needed & Required: Pencil, 3-Ring Binder, Dividers, Open Mind!!!

Health department

Course Title: **Senior High School Health**

Prerequisite: None **Examination**: Local **Credit**: ½ Credit

Syllabus: Health education is a discussion-oriented class providing factual information pertaining to real life teenage issues. Specific topics include nutrition, life style killers, first aid, stress management, family life, parenting, sex education, alcohol and drug education. Successful completion of this class is required for graduation.

Materials needed: A 3-ring binder to keep many handout sheets organized; pen/pencil

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Course Title: **Prep for Life/Adv. Heath Studies**

Prerequisite: High School Health **Examination:** Local **Credit:** 1/2 Credit

Syllabus: This course is designed to be a continuation of high school health. It gives students the opportunity to explore contemporary health issues that affect our society and them personally. The focus is on getting the student ready for real life situations of young adulthood.

Materials needed: A 3-ring binder to keep many handout sheets organized. Pen/pencil

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Course Title: **Modern Principles of Health Care**

Prerequisite: High School Health **Examination:** Local **Credit:** 1/2 Credit

Syllabus: Red Cross First Aid, Red Cross CPR, athletic training techniques, prevention management and treatment of diseases and disorders, biomedical ethics.

Materials needed: $5.00 per student for Red Cross first aid and CPR cards.

Course Title: **Fitness for Life/PE-10**

Prerequisite: High School Health **Examination:** Local **Credit:** 1/2 Credit

Syllabus: Fitness for Life is designed to help students take responsibility for their own activity, fitness, and health and to prepare them to be physically active and healthy throughout their adult lives. The program offers detailed fitness and wellness concepts and focuses on self-management skills for health lifestyle change. Students learn to select the physical activities they enjoy and develop individualized lifetime physical activity and wellness plans that put them on the path to lifelong fitness and health.

Hornell Physical Education Department Guidelines

This course provides each student with the knowledge and physical skills necessary to properly participate in a variety of physical activities. Emphasis is placed on the values students need to lead a healthy, physically active lifestyle, all through their adult life. All students are physically educated to:

- Learn skills necessary to perform a variety of physical activities.
- Participate regularly in physical activity.
- Understand the implications and benefits of regular involvement in physical activities.
- Value physical activity and the contributions to a well balanced lifestyle.

The promotion of "Life Long Learning" enhances each individual's personal well being, interpersonal relationships and overall productivity.

Based on a "FITR" Program (F = Fitness; I = Individual Sport Activities; T = Team Sport Activities; R = Recreational Activities), the Hornell High School Physical Education Staff has established a diversified well rounded Physical Education Program that promotes wellness, through a wide variety of physical education activities. All activities offered focus on one or more of the health related components of fitness: Cardiovascular Fitness; Muscular Strength; Muscular Endurance; Flexibility and Body Composition.

Grading

Depending on the activity being taught, grading may be weighted as follows:

- Daily preparation and participation – 60%
- Knowledge of content (test or quizzes) – 20%
- Skill Level (working toward Mastery) – 20%
- **Incomplete (I) and No Grades (NG)**

Students receiving an "I" for a grade below 50 during any marking period are afforded the opportunity to make-up the PE classes missed during the next marking period and raise that grade to a 50. THIS MUST BE DONE BEFORE THE END OF THE NEXT FIVE WEEK PERIOD.

Students earning a final Semester Grade below a 50 will receive an (NG) on their report card. They will not receive credit and must make-up an entire semester of physical education classes necessary to meet grade level and graduation requirements.

PE MAKE-UP CLASSES

Students are strongly encouraged daily by their physical education instructor, to make-up all non-participation days (unprepared, absences, etc…) on days opposite their regularly scheduled physical education classes, during regularly scheduled study hall time. Make-up classes should be made up by participating with-in the unit / activity they missed.

Non-participation days must be made-up within five (5) school days from the day it was missed.

Hornell Physical Education Department Guidelines

MEDICAL

Medically excused students will be categorized as either "short term" medical (1 to 2 weeks) or as "extended" medical (more than 2 weeks). Short term medically excused students should continue to attend PE classes and may even participate indirectly by keeping score or officiating, if possible. Students on extended medical, depending on each set of circumstances, may be assigned to a study hall in order to work on a project paper. The project paper's grade will be used as the student's PE grade, until the student is allowed to return under doctor's orders, to regular PE classes.

EXEMPTION FOR ATHLETIC PARTICIPATION

Student-Athletes in grade 12 may opt to be exempt from Physical Education class for the duration of the sports season(s) for which sport they are participating. Student-Athletes will receive a grade of "S" on their report card. Should a numerical grade & an "S" be recorded in the same marking period or semester for a student's grade, the numerical grade shall stand as the Final Marking Period or Final Semester Grade. Students not reporting back to class when required will receive an incomplete (I) for a grade.

ALTERNATIVE PHYSICAL EDUCATION PROGRAM

This program allows seniors the option and opportunity of pursuing physical activities outside of school, which are **not** offered within our program, in place of attending Physical Education classes. This is allowed once per semester for one five-week period of time. Only students in grade 12 may take advantage of this program. For details, students must contact their PE Instructor.

COURSE TITLE: 9 – 12 PHYSICAL EDUCATION

Prerequisite: None

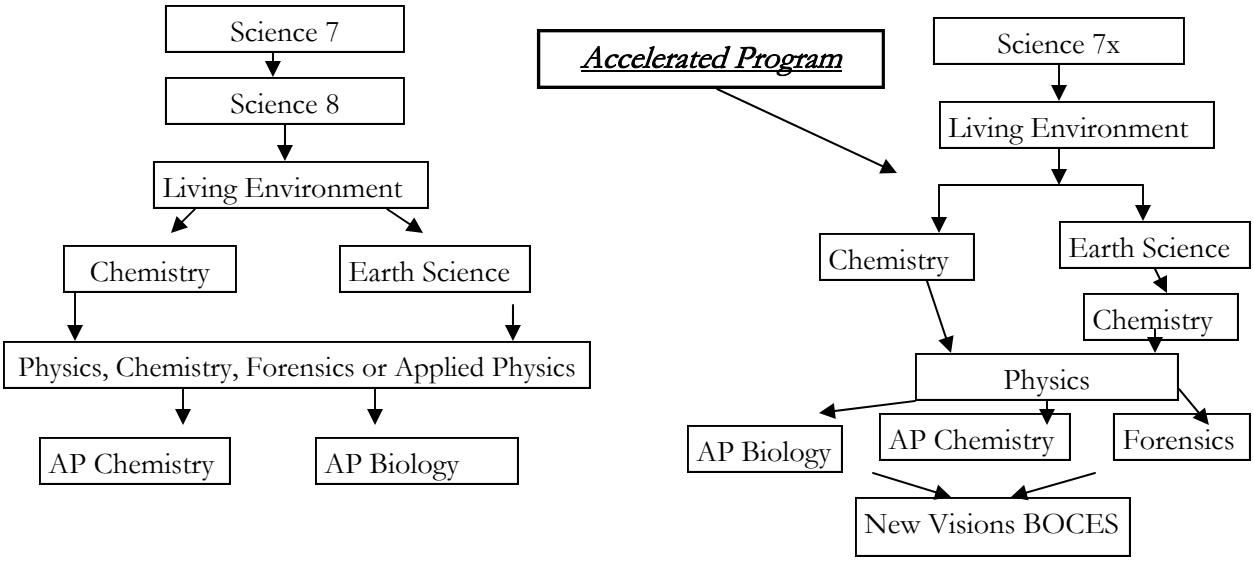
Examination: None Credit: ¼ credit/semester or ½ credit / year

Total # of credits needed for graduation: 2 Units of PE credit (1/2 Credit per year)

Syllabus: Students in grades 9 – 12 participate in a selective PE program. Students are given the opportunity to select one out of four PE activities offered, for each five week block, each semester. This gives each 9th – 12th grade student a choice in the activities they would like to participate in, promoting interest in the units selected. The course activities involve teaching and learning, with emphasis placed on the knowledge, physical skills and application of rules for safety and for sport activities, while focusing on the values of personal living skills (listening, following directions, co-operation, initiative, trust, risk taking, respect, leadership and subordination). Each student is encouraged to work toward mastery of basic motor and manipulative skill competencies, essential for participation in sport and recreational activities. Though mastery of the basic skills is strongly encouraged, student progress is based on each individuals daily participation, effort, experience and skill level.

Materials Needed: Sneakers (with laces tied), change of clothes (sweats, shorts, sweatshirt, T-shirt) and warm attire when outside in late Fall. Any students who are "un-prepared" or "absent" from class, will be so marked in the daily register. They need to make-up the missed classes, in order to pass the course and to receive credit toward graduation (See PE make-up policy). Most lockers in the locker-room are available for students to use on a daily basis. Students must provide their own locks to lock up clothing and other valuables for the class period. **The Physical Education Instructors are NOT responsible for any lost or stolen items in the locker-room.**

Science department



It is strongly recommended that college-bound students take Living Environment, Chemistry and Physics.

Course Title: Regents Living Environment

Prerequisite: Successful completion of 8th Grade Science
Examination: NYS Regents in Living Environment **Credit**: 1 Credit

Syllabus: The purpose of this course is to introduce students to the science of living systems. The course covers topics suggested by the New York State syllabus for Living Environment. This course provides a broad understanding of the fundamental principle of biology and provides an extension of understanding in selected areas which include cell biology, biochemistry, genetics, evolution, ecology and physiology.

Requirement: Successful completion of 1200 minutes of lab time with accompanying lab reports is required by New York State to sit for final exam.

Skills developed: Higher level thinking skills, recognizing connection between humans, the role they play in the world and their environment.

Materials Needed: A three-ring binder is strongly suggested. Folder, pens, and pencils are also required.

Science Department

Course Title: Regents Earth Science

Prerequisite: Recommended successful completion of Living Environment
Examination: NYS Regents in Earth Science **Credit**: 1 Credit

Syllabus: Earth Science consists of three major areas: geology, meteorology and astronomy. Specific topics include: density, measurement, Earth's interior and exterior features, rocks and minerals, plate tectonics, weathering and erosion, earth history, weather forecasting, earth's atmosphere, motions of the earth, moon and sun, seasons.

Requirement: Successful completion of 1200 minutes of lab time with accompanying lab reports is required to sit for final exam and lab practical.

Skills developed include: Interpreting scale relationships, measuring, graphing, modeling and using mathematical formulas.

Materials needed: 3 ring binder, folder, calculator, and purchase of Earth Science Review book.

Course Title: Regents Chemistry

Prerequisite: Successful Completion of Living Environment
Examination: NYS Regents Physical Setting: Chemistry **Credit**: 1 Credit

Syllabus: This course of study presents a modern view of chemistry suitable for students with a wide range of skills and abilities. The outline of topics provides the unifying principles of chemistry which include: matter and energy, mathematics of chemistry, nuclear chemistry, atomic structure, organic chemistry, chemical bonding, acids and bases, electrochemistry, behavior of gases, thermodynamics and kinetics and the periodic table. The principles included are basic to our understanding of our world and how it relates to chemistry.

Requirement: Successful completion of 1200 minutes of lab time with accompanying lab reports is required to sit for final exam.

Skills developed include: Higher level thinking skills, application of chemical concepts, mathematical and problem solving and laboratory application.

Material needed: 3 ring binder is strongly suggested (1.5 inch), scientific or graphing calculator, paper, pens, pencils, safety glasses and review book (the last two items may be purchased through class)

Course Title: Regents Physics

Prerequisite: Successful completion of Regents Chemistry. Sound algebraic skills
Examination: NYS Regents Physical Setting: Physics **Credit**: 1 Credit

Syllabus: Physics is the mathematical treatment of the laws of nature. The areas studied are: mechanics, wave phenomena, electricity, electromagnetism, quantum theory and the standard model of the atom.

Requirement: Successful completion of 1200 minutes of lab time with accompanying lab reports is required to sit for final exam.

Skills developed include: Higher level thinking skills and application of concepts of math and physics. Scale relationships, measuring, graphing, modeling and using mathematical formulas.

Materials needed: scientific calculator, folder, notebook, protractor, pens, pencils, and graph paper (1/4" ruled preferred).

Science department

Course Title: ACE Biology

Prerequisite: Successful completion of Regents Living Environment and Chemistry

Examination: Corning Community College Examination

Credit: 1 high school credit/ Corning Community College - 8 credit hours

Syllabus: This course is designed for the advanced, mature student capable of college level work. The course will cover the following topics: Molecules and Cells (Biological Chemistry, Cells and Energy Transformation); Genetics and Evolution (Molecular Genetics, Heredity and Evolution); Organisms and Populations (Principles of Taxonomy, Survey of Monera, Protista, Fungi, Plants, Animals and Ecology). Documented laboratory exercises are required.

Materials Needed: Loose-leaf folder, notebook, pen and pencil. A three-ring binder is strongly suggested.

Course Title: Advanced placement/ACE chemistry

Prerequisite: Successful completion of Regents Living Environment; Chemistry

Examination: Advanced Placement Examination **(exam fee of $87 billed to family)**

Credit: 1 Credit/Corning Community College - 8 credit hours

Syllabus: This course is designed as the equivalent to a first college chemistry course. Topics of study include matter, energy, thermodynamics, kinetics and equilibrium, phases of matter, gas laws, periodic table, atomic structure (including electron configuration), bonding, stoichiometry (math of chemistry), solutions, nuclear chemistry, electrochemistry and organic chemistry. Laboratory work must and will be documented in a laboratory notebook. Completion of the AP examination is expected.

Materials Needed: Loose-leaf paper, 3-ring binder (2 inch), pen, pencil, marbled composition book (for lab work) and a graphing calculator.

Course Title: Forensic Science

Prerequisite: Recommended successful completion of Earth Science

Examination: Local Examination **Credit**: 1 Credit

Syllabus: This course investigates the skills and techniques used by criminal investigators. Topics covered in the course include: crime scene investigation, collection and packaging of evidence, fingerprints, tire and footprint casting, ballistics, hair and fiber analysis, blood and spatter analysis, anatomy and wounds analysis, graphology and document analysis. Students spend approximately 90% of class time engaged in hands-on laboratory activities. Periodically students will be given "cases" to investigate. The final "case" will require students to work as an investigative team using everything they have learned to solve the mystery.

Materials Needed: 3-ring binder and pencil.

Science department

Course Title: applied physics

Prerequisite: Successful completion of a Regents Level Science course

Examination: Local Examination **Credit**: 1 Credit

Syllabus: Applied physics focuses on discovering through experiment the natural laws of nature. Students use experimentation skills along with critical thinking skills to develop models of physical systems. Students should enter with good math and communication skills. Students produce results through class discussion..

Topics include: matter and changes, matter in motion, energy, electricity and magnetism, and waves (light and sound).

Second Language Department

Course Title: Spanish 1 Proficiency

Prerequisite: Previous language studies recommended

Examination: New York State Proficiency Exam in Spanish

Credit: 1 Credit (8th grade students must receive a passing grade for both the exam and the class to earn graduation credit)

Syllabus: This class is the continuation of Spanish 7. Students continue their training in the skills of listening, speaking, reading and writing in Spanish. Vocabulary is increased and broadened. More grammar structures and verbs are introduced. Students are presented materials to enhance the cultural studies begun in Spanish 7.

Materials needed: Textbook, 3 ring notebook, pens (blue or black ink), #2 pencil, paper. Colored pens or markers are helpful.

Course Title: Spanish 2

Prerequisite: Successful Completion of Spanish 1

Examination: Departmental or Local Examination

Credit: 1 Credit

Syllabus: This course is a broadening of the skills and concepts learned in Level 1. Vocabulary is increased and broadened. More advanced grammar structures and verb tenses are introduced. Students are challenged by longer reading and writing tasks and more complex conversational situations. Listening skills are improved through conversation. Students continue their cultural awareness studies.

Materials needed: Textbook, 3-ring notebook, pens (blue or black ink), #2 pencil, paper. Colored pens or markers are helpful. A Spanish/English dictionary is optional.

Course Title: Regents Spanish 3

Prerequisite: Successful Completion of Spanish 2
Examination: NYS Comprehensive Regents Examination in Spanish
Credit: 1 Credit

Syllabus: The further broadening of the skill of communication is involved at this level, and vocabulary is increased. More advanced grammatical structures and verb tenses are studied. There is more original writing and conversation. Culture is studied via selected reading, authentic materials, and current events. Most of the class is conducted in Spanish to develop listening and speaking skills.

Materials needed: Textbook, 3-ring notebook, pens (blue or black ink), # 2 pencil, paper, Spanish/ English dictionary (recommended). Colored pens or markers are helpful.

Second language department

Course title: ACE Spanish 4
Intermediate Spanish 2010 / composition & Conversation 2180

Prerequisite: Successful Completion of Regents Spanish 3

Examination: Local Examination

Credit: 1 credit plus Spanish 4 students have the option to obtain 4 college credits per semester through Corning Community College

Corning Community College Catalog Description: Development of greater facility in reading, writing, speaking and understanding the language through a systematic review of its structure and readings which reflect cultural patterns of Spanish-speaking societies. Readings include short literary pieces and current newspaper or magazine articles. Research projects, composition exercises, and oral reports.

Course Goals:

To help students

A. Become aware of some of the issues of contemporary life in Spanish-speaking countries.
B. Increase their active and passive vocabularies.
C. Develop both oral and written ability to communicate on topics of general interest.
D. Improve their ability to understand conversational Spanish.
E. Increase and strengthen their knowledge of Spanish grammar.
F. Learn to read modern and classic Spanish literary pieces.

Materials needed: Textbook and workbooks, notebook or folder, pens (blue or black ink), # 2 pencil, paper, Spanish/English Dictionary.

Course Title: French 1 Proficiency

Prerequisite: Previous language study recommended

Examination: New York State Proficiency Exam in French

Credit: 1 credit for successful completion of the course.

Syllabus: Class is the continuation of French 7. Vocabulary is increased and broadened. More advanced grammar structures and verb tenses are introduced. Students are challenged by longer reading and writing tasks and more complex conversational situations. Listening skills are improved through conversation. Students continue their cultural awareness studies.

Materials needed: Text: Discovering French 1b, notebook or folder, pencil, pen. Colored pencils or markers. A French/English dictionary is optional.

Course Title: French 2

Prerequisite: Successful Completion of French 1

Examination: Departmental or Local Examination

Credit: 1 Credit

Syllabus: This course builds on the skills and concepts learned in French 1 and vocabulary is increased. More advanced grammar structures and verb tenses are introduced. Students are challenged by longer reading and writing tasks and more complex conversational situations. Listening skills are improved through conversation. Students continue their cultural awareness studies.

Materials needed: Text: Discovering French (Blanc), notebook or folder, pencil, pen. A French/ English dictionary is optional.

Second Language Department

Course Title: **Regents French 3**

Prerequisite: Successful completion of French 2

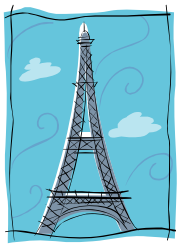
Examination: New York State Comprehensive Regents Examination in French

Credit: 1 Credit

Syllabus: The further broadening of the skill of communication is involved at this level, and vocabulary is increased. More advanced grammatical structures and verb tenses are studied. There is more original writing and conversation. Culture is studied via selected reading, authentic materials, and current events. Most of the class is conducted in French to develop listening and speaking skills.

Materials needed: Text: Discovering French (Rouge), notebook or folder, pencil or pen, French dictionary (recommended).

Course Title: **ACE French 4**



Intermediate French 2010 &
Composition & Conversation 2180

Prerequisite: Successful completion of Regents French 3

Examination: Local Examination

Credit: 1 credit plus French 4 students have the option to obtain 4 College Credits per semester through Corning Community College

Corning Community College Catalog Description: Development of greater facility in reading, writing, speaking and understanding the language through a systematic review of its structures and readings which reflect cultural patterns of French-speaking societies. Readings include short literary pieces and current newspaper or magazine articles. Research projects, composition exercises, and oral reports.

Materials needed: Imaginez, Imaginez, le francais sans frontieres, TV 5 weekly on-line news, Chez Nous, (bi-monthly French publication,) Voici la France, newspapers and periodicals. A French-English dictionary is recommended.

Social Studies Department

Course Title: Global History and Geography I

Prerequisite: Successful completion of Social Studies 8

Examination: Departmental or Local Examination

Credit: 1 Credit

Syllabus: Regions studied are Africa, Asia, Latin American and Europe. This is the first year course of a two-year program in Global History and Geography. Emphasis is on geography, anthropology, history, and the economic, social, political and cultural systems of specific cultures and civilizations. Concepts of race, nationality, and religion are stressed to help develop better understanding of these various cultures and civilizations.

Materials Needed: Students are expected to bring textbook, folder, spiral notebook for notes and a writing utensil each day. Review books will be purchased by students to be used throughout the duration of the course. Student folders should contain all handouts and student work from throughout the year. Colored pencils are also strongly recommended.

Course Title: Global History and Geography II

Prerequisite: Successful completion of Global History and Geography I

Examination: NYS Regents Examination in Global History and Geography

Credit: 1 Credit

Syllabus: Global History and Geography II is the second part of a two-year State-mandated course. In the 10th grade year major units of study include the Latin America, Africa, Asia, Europe over the last two centuries and the World today. The course content is historical, political, economic and geographic in its approach. The course culminates with the Regents Exam in Global History and Geography which assesses student learning from both the 9th and 10th grade years. Students must pass this exam with a 65% and the overall course (class average & exam grade) with a 65% to earn Regents graduation credit.

Materials Needed: Students are expected to bring textbook, folder, spiral notebook for notes and a writing utensil each day. Review books will be purchased by students to be used throughout the duration of the course.

Course Title: AP European History

Prerequisite: Successful completion of Global History and Geography I , teacher recommendations and strong interest.

Examination: Advanced Placement **(exam fee of $87 billed to family)** and NYS Regents in Global History and Geography Examination

Credit: 1 Credit

Syllabus: The course spans the broad spectrum of European History from the Renaissance to the present day allowing honor students to take a college-level course while still in high School. Students must expect a college workload in this course. Research and essay writing using primary, as well as secondary sources are emphasized.

Sophomore students are required to take the Regents examination in Global History and Geography (given each June) and will take the AP exam in European History – given in early May.

Materials Needed: Notebook, paper and writing utensil.

Social studies department

Course Title: AP United States History/ ACE United States History

Prerequisite: Successful completion of Global History and Geography II , teacher recommendation and strong interest.

Examination: Advanced Placement **(exam fee of $87 billed to family)** and NYS Regents in in United States History Examination

Credit: 1 high school Credit/Corning Community College credit

Syllabus: The course spans the broad spectrum of American History from the Age of Exploration to modern America. This course provides honors students with the opportunity to take a college-level course while still in high school. Students must expect a college workload in the course daily. Course preparation is paramount. The use of primary materials is emphasized. Students are required to take the Regents exam in US History and Government (given each June) and will take the AP exam in United States History given in early May. In addition, student may register to earn 3 college credits through Corning Community College (HIST 1110).

Materials Needed: notebook, pens, pencils, paper and review book.

Course Title: United States History & Government

Prerequisite: Successful completion of Global History and Geography II

Examination: NYS Regents Examination in United State History and Government

Credit: 1 Credit

Syllabus: The course spans United States history with particular emphasis on the formation of government, the constitution, its enduring issues, and post Civil War American development. The course is designed to provide students with the content and skills needed to perform well on the Regents Exam and to encourage students to think critically about issues that have impacted this nation's past.

Materials Needed: pens, pencils, notebook, and review book.

Course Title: Economics

Prerequisite: Successful completion of United States History

Examination: Department or Local Examination

Credit: ½ Credit

Syllabus: This course is designed to provide all students with the economic knowledge and skills in micro and macro economics enabling them to function as informed and economically literate citizens in our society and in the world.

Materials Needed: Paper, pens, pencils, and notebook.

Social studies department

Course Title: Government

Prerequisite: Successful completion of United States History
Examination: Department or Local Examination
Credit: ½ Credit

Syllabus: The overall purpose of the course is to provide students with a basic understanding of how our government is organized, how it works, and what those in government do. The student will not only be informed about the nature and working of our government, they will become more adept at thinking systematically and critically. They apply this knowledge to civic affairs at the local level. Current issues are stressed. Community service and meetings are an expected requirement in this class.

Materials Needed: Paper, pens, pencils, and notebook.

Course Title: Sociology (offered every other school year)

Prerequisite: Open to Juniors and Seniors
Examination: Department or Local Examination
Credit: ½ Credit

This course examines the basic nature of human relationships, customs, institutions, social structure, and culture. It emphasizes how these patterns affect our beliefs and behavior, and how they express our fundamental concerns and values. The course teaches the basic concepts, methods and perspectives of sociology as a social science; and it uses them to consider such topics as family life, groups and organizations, gender and age roles, minorities and social classes, religious and political movements, and social problems.

Course Title: Psychology (offered every other school year)

Prerequisite: Open to Juniors and Seniors
Examination: Department or Local Examination
Credit: ½ Credit

Survey course introducing modern psychology by presenting scientific and humanistic interpretations of the human mind and behavior. Topics to be covered are biological bases of behavior; perception; learning; personality; social influences; definition, possible causes, and treatments of behaviors which are considered dysfunctional.

Course Title: AP Psychology (offered every other school year)

Prerequisite: Open to Juniors and Seniors who have successfully completed Global History and Geography
Examination: Advanced Placement
Credit: 1 Credit

Syllabus: AP Psychology is a full year course that introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. The course incorporates psychological facts, principles, and phenomena associated with each of the major subfields of psychology. Students must expect a college workload in this course.
Materials Needed: Students are expected to bring textbook, paper, 3-ring binder, tab dividers (12 total, one for each unit) and a writing utensil each day. Review books will be purchased by students to be used throughout the duration of the course.

Special education department

Course title: 9th to 12th Resource Room

The 7th - 12th grade resource rooms are structured learning environments where students are able to receive additional support for classroom learning, address homework concerns, prepare for examinations and have testing modifications administered. In the course of this work, the resource room staff focus students on the goals that were established on the students most recent IEP.

Academic intervention services (AIS)

These services are provided to all students who need additional time and support in passing the mandated state examinations and courses.

Career and Technical Education

AUTOMOTIVE TECHNOLOGY: Automotive Technology is the science of diagnosing, maintaining, and repairing today's modern automobiles. The modern automobile has gone high-tech with antilock brakes, traction control, direct ignition, fuel injection, inflatable restraints, on board diagnostics and body controllers. This has put much of the auto repair beyond the grasp of the "do-it-yourselfers".

Students in the Automotive Technology program will learn to test, not guess, while utilizing up-to-date analysis equipment. Units of instruction will teach students about diagnostic techniques, precision measurement, brake systems, ignition systems, exhaust systems, automotive computer scan tools, wheel alignment, fuel injector systems, electrical systems, transmissions, engines, and more.

The skills that students will develop in this program align with Automotive Service Excellence (ASE), and the National Automotive Technicians Educations Foundation (NATEF), the organization that sets standards for high quality automotive programs in schools.

Successful students will graduate with the skills, certifications and knowledge necessary to enter the work force, military, or continue their education as a post secondary institution.

AUTO BODY: Students completing the Auto Body program will have the opportunity to become competent, entry-level repairpersons in the Auto Body field or pursue continuing education at one of many nationally recognized post-secondary educational institutions.

Students learn to safely and competently restore a vehicle to its original condition. This repair will correct body deterioration due to age or collision damage. Students will develop skills in estimating, surface preparation, body fillers, metal repair, washing and waxing procedures, plastics repair, sand blasting, oxyacetylene torches, Mig welding, siphon feed and HVLP spray painting equipment, pin-striping, chip guarding, various types of automotive primers, sealers and paints, and job seeking-keeping skills. Related trade knowledge is acquired through the use of computerized research, parts manuals, trade publications, crash manuals, estimation and frame specifications, and costs associated with the Auto Body industry.

Students will continuously be developing skills that align with Automotive Service Excellence (ASE) and Inter-Industry Conference in Auto Collision Repair (I-CAR) which are nationally recognized professional organizations. At the completion of the two-year program students will take a written and performance test developed by National Occupational Competency Testing Institute (NOCTI).

BUILDING TRADES/CONSTRUCTION: Students in the Building Trades/Construction program will have the opportunity to acquire skills in the safe operation of a variety of power and hand woodworking tools and machines, building site layout, various types of framing procedures and techniques, foundations and form, stair construction, window and door installation, thermal and moisture protection, siding application, roofing, interior finishing, basic wiring, plumbing, brick and block laying, blueprint reading and basic cabinet installation. This course encompasses all processes and degrees of house construction.

Additionally, students may have the opportunity to assist in the construction of a full-size, ranch-style house. Students will produce a marketable résumé before completion of the course.

The Building Trades/Construction program is designated as a National Center for Construction, Education, and Research (NCCER) site. Students will be required to take nationally standardized exams in order to earn national certification in several NCCER topics of instruction.

COMPUTER GRAPHICS AND DESIGN: Computer Graphics and Design is a unique technology based program that prepares students for a career in today's most dynamic and rapidly growing communications related fields. The program is a student's first step toward becoming a professional in the world of graphic design, printing and publishing, illustration, photography, advertising, product design, or the new digital media fields of web development, game design, computer animated films, television, motion picture special effects and many related areas.

The program features a digital design lab with the latest computer graphic technology and professional software, enabling students to gain the foundations of design and then apply their learned skills to many forms of hands-on, visual communications projects. The program blends traditional design principles, composition, color theory and typography, with advanced technical skills. Students have the opportunity to earn valuable, industry-recognized certifications, and may also earn advance placement credits at several area colleges as they enroll in computer graphics and design-related degree programs.

COMPUTER INFORMATION TECHNOLOGY: IC3 Certification, A+ Certification, and CISCO Networking Certification

Year 1 Curriculum – PC Technician

Students will learn the basic concepts of computer systems and skills necessary for successful employment in the Information Technology industry. Basic computing and Internet literacy will be the focus at the beginning of the course. The remainder of the course will cover computer software and hardware architecture, with a concentration on troubleshooting, upgrades, and repair.

IC3 certification gives employers a reliable standard to qualify potential employees and a base for educational training. Earning Comp TIA's A+ certification means that the individual possess the knowledge, abilities, and customer relations skills essential for a successful entry-level computer service technician, as defined by experts from companies across the industry.

During the course, students will be provided with a foundation for achieving IC3 and Comp TIA's A+ computer certifications.

Year 2 Curriculum – Network Technician

Students will learn to design, build, and maintain computer networks. The curriculum covers a broad range of topics, from basic networking skills, such as pulling cable, to more complex concepts, such as applying advanced troubleshooting tools.

Students who have successfully completed the PC Technician course, or who have an advanced computer background, will find the Network Technician course both challenging and enjoyable. The program combines instructor-led, on-line learning with hands-on laboratory exercises where students apply what they learn while working on actual networks.

Building upon fundamentals, the course will give students a working knowledge of modern network systems. They will work to a level of competency to challenge the CISCO Certified Network Associate (CCNA) and/or Network+ exams.

The Computer Information Technology program helps students improve math, science, writing, and problem solving abilities. To ensure a well-rounded educational experience, learning objectives in the curriculum are tied to national math and science standards, as well as to workforce competencies.

COSMETOLOGY: The GST BOCES Cosmetology curriculum is designed to give students the skills needed for successful completion of the New York State Licensing exams, as well as the skills necessary for employment. In addition to all the technical skills required within this 1000-hour course, students will develop strong universal skills such as inter-personal skills, managing information/resources, communication skills and problem solving skills. Within various units of instruction, components of Science, mathematics, and English will be integrated.

Professional Requirements: Professional Image; Bacteriology and Decontamination and Infection Control; Draping and Shampooing, Conditioning and Rinsing; Haircutting; Artistry in Hairstyling; Wet-Hairstyling; Thermal Hairstyling; Perm Waving; Hair Coloring; Chemical Relaxing and Soft Curl Permanent; Thermal Hair Straightening; Artistry of Artificial Hair; Manicuring and Pedicuring; The Nail and Its Disorders; Theory of Massage; Facials; Facial Makeup; The Skin and Its Disorders; Removing Unwanted Hair; Cells, Anatomy and Physiology; Electricity and Light Therapy; Chemistry; Salon Business; New York State Board Procedures; New York State Appearance Enhancement; Practical Application in a Salon Environment.

CRIMINAL JUSTICE: The first four instructional units of Criminal Justice are designed to prepare the student with the basic theory of the Security or Law Enforcement fields. Patrol Function and Investigative Functions and Techniques are strong core programs, which provide for immediate employment. Other course instructional units, such as Emergency Response, First Aid and CPR, Communications, Computer Applications, career related topics, and basic law training provide a good theoretical basis for further study and employment.

The last four instructional units of Criminal Justice provide advanced study in patrol and investigation, plus additional supervisory and administrative theory. A work experience program is incorporated that allows the student to work at a sheriff's department, local police agency, county court or private security agency.

CULINARY ARTS: The GST BOCES Culinary Arts program uses the Pro-Start curriculum approved by the National Restaurant Association which provides hands-on instruction. In addition to teaching the fundamentals of cooking and baking, restaurant management and customer service are emphasized. Students will develop an understanding of the historical background and themes of the Culinary Arts field. Our program gives students the opportunity to learn and practice the technical and practical skills used in the Food Service Industry. We include extensive units in Nutrition and Sanitation which give the students a strong foundation to meet the requirements that exist in the Culinary Arts field today. Additional topics include Food Identification, use of Professional Food Service Equipment and Developing a Sense of professionalism.

Students who complete the Culinary Arts program will be prepared to go on to college or enter the workforce upon graduation. The Culinary Arts program at GST BOCES is the first ingredient in a recipe for success!

HEAVY EQUIPMENT/CONSERVATION: Students in the Heavy Equipment/Conservation program study the operation, maintenance, and repair of Heavy Equipment. Students demonstrate skills in on-and-off road truck driving, welding, soils, conservation, surveying, and related units.

The goal of the Heavy Equipment/conservation program is to assist students with academic and problem-solving skills along with positive personal and interpersonal qualities. Heavy Equipment/ conservation students are adaptable to a wide variety of careers in the construction industry. The program achieves these goals through the appreciation of theory, academic integration, technical skills knowledge, "hands-on" classroom instruction, and field project experiences. The Heavy Equipment/ Conservation program is designated a National Center for Construction, Education, and Research (NCCER) site. Students will be required to take nationally standardized exams in order to earn national certification in several NCCER topics of instructions.

HEALTH OCCUPATIONS: Health Occupations is a New York State licensed program. It builds on a core program as an introduction to all health occupation careers. After successful completion of the core curriculum, students may enter Nurse Assistant or Health Related Child Care. Health Occupations II includes Health Related Child Care and/or Health Assistant programs. Supervised clinical experience is included for all programs at various related sites, such as St. James Mercy health, Mercy Care health Care Facility, Head Start, St. James Day Care, Corning Hospital, Founders Pavilion and doctors' offices. LPN programs are available for post-secondary students. Integration of academics, technology and universal skills are important components in Health Occupations.

WELDING AND METAL FABRICATION: As a welding student, you will learn the proper procedures for welding and the recognition of metals. You will also receive instruction in proper safety and the care and use of small hand and power tools used in the trade of metal fabrication. You will have the opportunity to develop skills in reading and understanding blueprints. Our goal is to prepare students for employment in the welding field by offering effective hands-on and classroom training to meet local industrial standards.

NEW VISIONS PROGRAM: The New Visions Programs are intended to provide college bound seniors with an "Immersion Experience" in a specific career field. Students rotate through a variety of internships at participating business sites three mornings a week and take related college level courses the other two mornings. Admission to any New Visions Program is by application, and students will be asked to provide recommendations and a copy of their academic record to date. Students attend their New Vision Program each morning their entire senior year.

New Visions Health

Through the cooperation of various local medical care providers, students in the New Visions Health program will be exposed to actual work environments. Through this experience students will gain a better understanding of how their education will apply in various medical professions.

The course is designed to provide the student with an opportunity to study basic medical concepts and investigate areas of interest through job shadowing experiences. In addition, students can receive eight college credits from Alfred University in Anatomy and Physiology. In the laboratory, students study tissues using prepared slides, the skeleton and animal dissection. Integration of academics, technology and universal skills is an important component in New Visions Health.

Clinical rotation will be based on individual student interest. Choices include but are not limited to the following Radiology, Endoscopy Unit, Stress Test Lab, Occupation Therapy, Emergency Care Unit, Maternity, Pediatrics, Clinical Laboratory, Cardiac Rehabilitation, Physical Therapy, Respiratory Therapy, Operating Room, Pharmacy, Medical/Surgery Patient Unit, Veterinary Clinic and Dental Office.

(NOTE: this program is only available during the A.M. session)

INTRODUCTION TO CAREER MAJORS: The purpose of Introduction to Career Majors is to provide students with a chance to experience a variety of career fields and develop skills that will enable them to successfully transition into the career education programs of their choice and enhance day to day living.

A sequence of instructional topics and respective units is taught throughout the year, designed to meet Career Development and Occupational Standards. Introduction to Career Majors provides the flexibility for students to enter at anytime and still gain the skills, knowledge and behaviors necessary to enter a career education program. As students demonstrate skills, positive attitude and appropriate behavior, they have an opportunity to audit a career program in their interest area for two weeks. They are expected to complete all assigned work while in the audit and are evaluated at the end of the two-week period. Introduction to Career Majors is designed for all students. Lessons are individualized to meet the varying needs and abilities of each student.

Hornell High School

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