

GRAYLING HIGH SCHOOL

2010-2011

CURRICULUM GUIDE

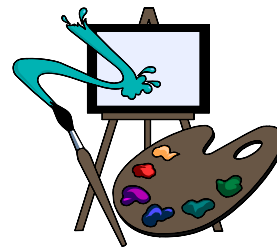
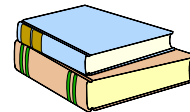
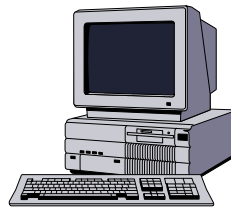
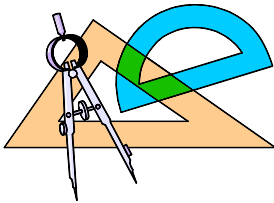
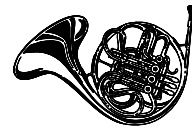
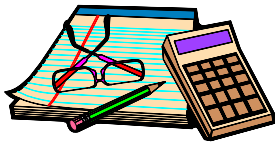
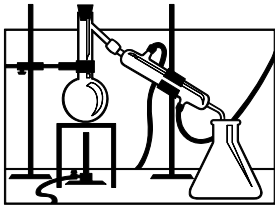


TABLE OF CONTENTS

GRADUATION REQUIREMENTS	3
COMMUNITY SERVICE	4
SCHEDULING PROCESS	6
EXAM/GRADING SCALE.....	6
CUT SCORES	7
RETAKING CLASSES	7
CAREER CRUISING.....	8

COURSE DESCRIPTION

CORE CURRICULUM

<i>LANGUAGE ARTS</i>	9
<i>MATHEMATICS</i>	12
<i>SCIENCE</i>	15
<i>SOCIAL STUDIES</i>	19
<i>WORLD LANGUAGE</i>	22
<i>HEALTH/PHYSICAL EDUCATION</i>	23
<i>INDUSTRIAL EDUCATION</i>	24
<i>TECHNICAL EDUCATION</i>	25
<i>FINE ARTS AND MUSIC</i>	26
<i>BUSINESS TECHNOLOGY</i>	29
<i>ADVANCED PLACEMENT (A.P.)</i>	31
<i>SUPPLEMENTAL PLACEMENT CURRICULUM</i>	31

INFORMATION GUIDE

SPECIAL EDUCATION SUPPORT	33
PERSONAL CURRICULUM SPECIAL EDUCATION	34
STUDENT ATHLETES	35
VOCATIONAL/CAREER TECH PROGRAMS.....	37
VOCATIONAL/CAREER TECH LETTER.....	41
DUAL ENROLLMENT FUNDING LETTER.....	42

DATED: March 11, 2010

GRADUATION REQUIREMENTS

(CLASSES OF 2011, 2012, 2013, 2014)

- I. Students graduating from Grayling High School regular day session:
- A. Must earn a minimum of twenty-seven (27) approved credits.
 - B. Must have earned:
 - 1. 4 credits of English Language Arts *
 - 2. 4 credits of math—minimum of algebra, geometry, algebra II, plus a math credit in the senior year. *
 - 3. 3 credits of science, including 1 credit of biology; and 1 credit of physics or chemistry. *
 - 4. 3 credits of social studies including ½ credit of Civics, ½ credit of Economics, 1 credit of U.S. History and Geography, and 1 credit of World History and Geography. *
 - 5. ½ credit each of Physical Education and Health. *
 - 6. 1 credit of visual, performing or applied arts (vocational education, industrial education or business technology). *
 - 7. 1 credit of a language other than English.
 - 8. Online learning experience guideline, not for credit: (EDP creation using online resources in social studies classes).
*Currently there are 16 credits mandated by the State of Michigan Merit Core Curriculum.
 - C. All requirements cited above must be met except in the case where individuals are approved for an individually prescribed alternative educational program by the building Individual Educational Planning Team.
 - D. According to the Michigan School Code, students have the privilege to demonstrate competency in any of their required classes. Students should refer to the G.H.S. Testing-Out Policy in the G.H.S. Student Handbook.
- II. Students must have full-time enrollment status in their final year in order to participate in graduation ceremonies.
- III. Students graduating from G.H.S. must have taken the complete MME (Michigan Merit Exam/state mandated AYP assessment) in their junior year.
- IV. Community Service: In order to develop a sense of community responsibility, students are required to complete a minimum of 40 hours of community service within their four years or ten hours per year for those enrolling at GHS after their freshman year. The service must be documented and turned into the media center. Forms may be obtained in the office and are also available on-line.
- A. Community service hours for family members must have prior administration approval.
 - B. 40 hours of community service is to be documented in the counseling office by the end of second trimester of a student's senior year.

Community Service

The student is to complete the top portion of the form and the contact is to fill out the remainder of the form. Forms may be submitted to Mrs. Knapp in the media center.

Student _____	Year of Graduation _____
Date(s) _____	
Time(s) of service _____	Total hours _____
These hours are in fulfillment of the requirements for (circle one) Graduation Student Senate NHS	

In the space below, provide a thorough explanation of the service performed. Please keep in mind the community service guidelines printed on the reverse.

Contact name (please print) _____

Name of organization _____

Relationship to student _____

Daytime phone number _____

Contact signature _____ Today's Date _____

(Please sign again on reverse.)

Community Service Guidelines

- * Hours must be voluntary, non-paid service.
- * Hours must be for non-profit organizations or individuals outside of the family and may not be for political purposes.
- * Community service must be performed outside of the school day unless school-related and organized by a GHS staff member. Absences for such community service hours must be pre-excused and students will be responsible for work missed during the hours of service.
- * All community service hours must be documented on official community service forms that are properly completed in their entirety.
- * Students submitting community service hours to fulfill one requirement cannot use the same hours toward another requirement. Therefore, all documentation must be on original forms and no photocopies will be accepted.
- * Hours submitted cannot be signed by the student's family members.
- * A community service committee composed of three standing members and two floating members will meet quarterly to review submissions and forward questionable service submissions to the office for follow-up. Once hours have successfully been documented, they will be entered in class binders maintained by a member of the community service committee.
- * A community service database maintains an accounting of hours for all students.
- * Students are encouraged to submit 10 hours per year.
- * Seniors must submit all hours by the end of the second trimester of the senior year.
- * Transfer students must complete an equivalent of 3 ½ hours per trimester attended at GHS.
- * Waivers may be granted due to extreme circumstances as approved by administration.

Student signature _____

Contact signature _____

SCHEDULING PROCESS

Our process places major responsibility for schedule development on the individual student with major input from counselors and parents. The following steps are to be followed:

1. Pre-registration: Students will be presented with information regarding required and elective courses, graduation requirements, vocational courses, college prep curriculum and the scheduling process. This information will be repeated for incoming freshmen and their parents. Pre-registration forms must be signed by parents and returned to the counseling office. Students are required to discuss their course choices with their teachers and get their signatures on the form. Parents are encouraged to contact the counseling office regarding any questions concerning this process or specific course selections. **Note:** Students must use transcripts to check for course requirement status as well as prerequisites required for courses. In many cases, teachers will ask to see transcripts prior to signing registration forms.
2. Each student is required to enroll in five (5) credited classes each trimester.
3. Any student who fails to turn in a schedule will have one developed for them. This schedule will not be subject to change.
4. All student pre-registration information will be tallied to determine how many sections of each class must be offered. A master schedule indicating which class is offered each hour with each teacher will be designed.
5. Actual student schedules will be developed by computer. An attempt will be made to meet as many of the student's pre-registration requests as possible.
6. Students who have mistakes in a schedule due to the unsuccessful completion of required courses or computer conflicts, etc., will be able to make necessary schedule changes **prior** to the start of each trimester by making an appointment with their counselor.
7. Students must have authorization from their counselor to drop a class. If their counselor feels their reason for dropping a class is valid and warrants such action, the student may be dropped from the class. Students must live with their commitments. Parents disagreeing with the counselor's decision may appeal that decision, in writing, to the principal. **UNLESS EXTENUATING CIRCUMSTANCES PREVAIL, CLASSES MAY NOT BE DROPPED OR CHANGED.**
8. No schedule changes will be considered after five days into each new trimester.

SPECIAL NOTES FROM THE PRINCIPAL

- Courses listed in this guide may or may not be offered every year. We will do our best to run classes that meet the needs of our students.
- In an effort to keep students on task for graduation, when students fail core classes (English/language arts, math, science or social studies) they will, as often as possible, be placed in the next trimester of the failed class.

EXAM/GRADING SCALE

A	(93-100)	=	4.0
A-	(90-92)	=	3.7
B+	(87-89)	=	3.3
B	(83-86)	=	3.0
B-	(80-82)	=	2.7
C+	(77-79)	=	2.3
C	(73-76)	=	2.0
C-	(70-72)	=	1.7
D+	(67-69)	=	1.3
D	(63-66)	=	1.0
D-	(60-62)	=	.7
E	(below 60)	=	0.0

The end of course exam grade counts for 20% of the final course grade.

GHS “CUT” SCORES

- ❖ We are required to establish “CUT” Scores by the Michigan Department of Education.
- ❖ The following “CUT” Scores are used to determine when a student has earned credit in a course at Grayling High School.

CORE COURSES:

Social Studies and English Language Arts

- Cut Score = 60% (D-) or better

Mathematics All Courses

- Cut Score = 70% (C-) or better
- Special Note: Lower grades that are earned for example a D- are issued; however, the student will not, in most cases, be advanced to the next level in the math sequence.

Science Required Courses

- Cut Score = 70% (C-) or better
- Special Note: E’s are given if grades are earned that are below a 70%. Students must retake the required courses if a grade of 70%/C- is not earned as the content is essential for the MME.

Science Elective Courses

- Cut Score = 60% (D-) or better
- Exception Advanced Biology 85% (B) or better to get into some higher science courses i.e. Anatomy and Physiology

ELECTIVE COURSES:

Introduction to Art and Beginning Drafting

- Cut Score = 70% (C-)

All Other GHS Elective Courses

- Cut Score = 60% (D-)

Special Note: A decision to offer Credit (CR) may be made with approval from administration, counselor or case provider in situations where a student has received approval to work toward at least 70% mastery of the Power Standards in a given course.

RETAKING CLASSES

POLICY

- Students retaking failed classes are given the grade they earned while retaking the class. The failing grade they earned previously will remain on their transcript.
- Students who pass a course and choose to retake it will have CR (credit) placed on the lower grade on their transcript. The credited course does not apply toward the content graduation requirements, but is used in elective credit necessary for graduation.
- Students who pass a core course with a C, C+ or B-, and choose to repeat the course in order to meet a pre-requisite for a more advanced course, will receive CR (credit), not a grade, for the repeated course. The original grade will stand. If the pre-requisite grade is earned, permission will be granted to enroll in the more advanced course. Any repeated course will count as elective credit.

PHILOSOPHY

- Students are encouraged to retake required classes in which they have received a “C-” or lower. Students who pass a course and choose to retake it will have CR (credit) placed on the lower grade on their transcript. The credited course does not apply toward the content graduation requirements, but is used in elective credit necessary for graduation. For example, my son received a “D+” in the first part of geometry and the second time received a “B-” as his grade. The “D+” turned into a credit (CR) because he, indeed, passed the class and the CR was applied to elective credit.
- Students and parents should not be given the choice about retaking failed required classes. Their schedules should just be changed. The week before a term ends, counselors should be given a note from the teachers telling them students who are not able to pass at this point.
- During the one-week period of class changes, student failures need to be addressed. Students need to be removed from elective classes and have their schedule rebuilt based on required classes being taken.

Career Cruising is an interactive career resource designed for people of all ages. This resource is available to all of our students, to be used wherever they have access to the internet. Here at G.H.S. we are using Career Cruising for developing our student EDPs (Educational Development Plans). We think that this is a very user-friendly and helpful tool and we encourage students to make use of it as often as possible. To access it, simply log on to www.careercruising.com. The user ID is grayling, and the password is vikings.

Career Matchmaker
This interactive survey will help you find careers that match your interests.

Explore Careers
Find the career information you're looking for and see multimedia interviews with real people in every career.

Explore Colleges and Universities
Learn about colleges and universities across the country. Find out where to get the education you need to start your career.

Helpful Information
[Resources for Career Advisors and Teachers](#)
[Getting Started](#)
[Test sound and video](#)

Featured Interviews

Get the inside story on careers. Click on a photo below to see one of the 900 multimedia interviews in Career Cruising.

Focus on aquatic careers

If you dream of a career working in or on the water, one of these careers might be right for you:

- [Aquaculturist](#)
- [Coast Guard](#)
- [Commercial Diver](#)
- [Diving Instructor](#)
- [Fisher](#)
- [Hydrologist / Hydrogeologist](#)
- [Marine Biologist](#)
- [Oceanographer](#)
- [Ship's Crew](#)

COURSE DESCRIPTIONS

CORE CURRICULUM

LANGUAGE ARTS

ENGLISH 9 A/B (9)
ENGLISH 10 A/B (10)
ENGLISH 11 A/B (11)
ENGLISH 11: NOVELS (11-12)

PERSUASIVE & RESEARCH WRITING (11-12)
ENGLISH 12 A/B (12)
ADVANCED PLACEMENT COMP. & LIT. (12)

ORAL COMMUNICATIONS

PERFORMING AND COMMUNICATIVE ARTS (10-12)
STUDENT SENATE (9-12)

ELECTIVES

READING FOR PLEASURE (9-12)
NEWSPAPER (10-12)
YEARBOOK (10-12)
CREATIVE WRITING (11-12)

Beginning with the graduating class of 2011, students must earn 4 language arts credits to graduate. Therefore, students must choose from the Language Arts categories to fulfill the 4 required credits for graduation, including one credit of English 9 A/B and one credit of English 10 A/B.

Grayling High School Suggested Courses of Study

	<u>Plan 1</u>	<u>Plan 2</u>	<u>Plan 3</u>
9th Grade:	English 9 A/B	English 9 A/B	English 9 A/B
10 th Grade:	English 10 A/B	English 10 A/B	English 10 A/B
11 th Grade:	English 11 A and/or B English 11: Novels Persuasive & Research	English 11 A and/or B Persuasive & Research	English 11 A and/or B
12 th Grade:	AP Comp. & Lit.	English 12 A and/or B English 11: Novels	English 12 A and/or B
<u>One Trimester Classes</u>	English 11: Novels Persuasive & Research Writing Performing and Communicative Arts Reading for Pleasure Creative Writing Newspaper	<u>Two Trimester Classes</u> English 9 A/B English 10 A/B English 11A/B English 12 A/B Student Senate Yearbook	<u>Three Trimester Classes</u> AP Comp. & Lit.

ENGLISH 9 A/B (1 credit, 2 trimesters)

GRADE 9

Major types of literature focusing on the theme of *Inter-Relationships* and *Self-Reliance* will be studied. Oral and written expositions will be considered and applied to the works in an effort to foster development of critical thinking and writing skills. Other areas of emphasis include vocabulary, spelling, paragraph structure and essay writing.

LANGUAGE ARTS CONTINUED

ENGLISH 10 A/B (1 credit, 2 trimesters)

GRADE 10

Prerequisite: English 9

Students will be exposed to major types of literature, the study of which will focus on *Critical Response* and *Stance*, including truth, values, and individual power. Emphasis will be placed on comprehension and analysis of the works using higher order thinking skills. Oral and written exposition will center on the works studied while also incorporating the development of vocabulary, spelling, grammar, sentence structure, and usage.

ENGLISH 11 A/B (1 credit, 2 trimesters)

GRADE 11

Prerequisite: English 10

This course is designed to reinforce good writing skills and techniques. Sentence structure, content, organization, grammar and various writing forms are studied and practiced, as well as learning the writing process. In addition, a variety of life's lessons through world literature will be studied through the theme of *Transformational Thinking*. Through various units covered, students have the capacity to gain awareness of a variety of cultures and multiple vernaculars and make connections to their own lives, as well as gain a general knowledge of major writers.

ENGLISH 11: NOVELS (1/2 credit, 1 trimester)

GRADES 11-12

Prerequisite: English 10 A or B and Instructor Approval

The purpose of this course is to prepare high school students for college-level literary analysis. This course will integrate reading and writing skills. Students will read, evaluate, and analyze the meanings of several classic novels to enable them to write college-level textual analysis essays. The analysis skills taught in this course are designed to be cross-applied to numerous other academic subjects both within the humanities as well as the sciences.

PERSUASIVE AND RESEARCH WRITING (1/2 credit, 1 trimester)

GRADES 11-12

Prerequisite: English 10 A or B

This is a course intended for the college preparatory student. It deals with two areas of composition: argumentation and research. The use of inductive and deductive logic and clearly argued propositions to develop formal compositions will be stressed during the course. The majority of the course will be based upon the completion of research papers. During the production of the research papers, format of the research paper, documentation and research tools will be studied.

ENGLISH 12 A/B (1 credit, 2 trimesters)

GRADE 12

Prerequisite: English 11

Students will be exposed to literature from various cultures and study will focus on *Leadership Qualities*. Emphasis will be placed on comprehension and analysis of the works using higher order thinking skills. Oral and written exposition will center on the works studied while also incorporating the development of vocabulary, spelling, grammar, sentence structure, and usage. Students may want to consider taking one trimester of English 12 and one trimester of Persuasive & Research Writing.

LANGUAGE ARTS CONTINUED

ADVANCED PLACEMENT COMPOSITION AND LITERATURE

GRADE 12

(1 ½ credits, 3 trimesters)

Prerequisite: English 11: Novels

This course is designed to prepare the serious student for college level formal writing. This course will be considered the equivalent of one semester of Freshman Composition and/or Introduction to Literature at a major college or university. Coherence, structure, logic, style, and effectiveness in expression will be of considerable importance. Discussion and composition topics will be derived from sources read during the trimester. The student will consider theory and criticism of masterpieces of universal appeal and acclaim. Literary evaluation will be of primary importance, and each student must achieve an advanced level of formal analysis. A seminar approach to the study of literature will be utilized. The goal of this course will be to prepare the student for the A.P. Examination in Literature and Composition.

ORAL COMMUNICATIONS

PERFORMING AND COMMUNICATIVE ARTS (1/2 credit, 1 trimester)

GRADES 10-12

Prerequisite – English 9 A or B

In this course students will be instructed on how to deliver formal and informal speeches and to take part in organized group discussions and activities. Principles of effective research and preparation and the development of listening skills will be stressed. Students will also study dramatic literature and performance in small groups, duos and as individuals. Students will write and perform their own work dramatically as well as compose speeches. Impromptu and extemporaneous speaking will be practiced. The intention of this course is to prepare students to be comfortable addressing groups in other classes as well as larger venues by building their confidence in public presentations both formally and informally.

STUDENT SENATE (1 credit, 2 trimesters)

GRADES 9-12

Student Senate is a two trimester course. Seven representatives from each class will be elected for one year terms. A governor, lieutenant governor, secretary and treasurer will constitute the executive board and will be elected for one year terms from the entire student body. Class councils will be elected by their respective class. Each will have a President, Vice President, Secretary, Treasurer, and two Senators. In addition, students at large may be appointed by the senate advisor. This class will provide its members with the opportunity to develop as leaders, to become skilled at parliamentary procedure, to develop organizational skills, to set short and long range goals, to carry out tasks to completion, to encourage student involvement and promote a positive school climate, to become involved in various governmental and service agencies within the community, and to help the local community. This course will remain in compliance with the Constitution, which states that **members of the executive board must be enrolled in the class for both trimesters to retain their office.**

ELECTIVES

The following courses count as general elective credit only.

READING FOR PLEASURE (½ credit, 1 trimester)

GRADES 9-12

This course allows students to individually explore and select various literary genres. Daily reading selections will provide the basis for discussions, writings, and projects. A daily learning log with written responses on specified literary elements of the books are required.

LANGUAGE ARTS CONTINUED

NEWSPAPER (1/2 credit, 1 trimester)

GRADES 10-12

Prerequisite: B average in Language Arts preferred and Newspaper Instructor Approval. The focus of the course will be the publication of *The Norseman*, the school newspaper.

This course is for students who have a good foundation in writing, the ability to work hard and independently, and a commitment to excellence in journalism. Students taking this course will be encouraged to study journalism throughout high school. Basic journalism skills will be taught, including writing, computer design, standards and ethics, advertising, and photography. This course must have a minimum of 15 students to be offered. **Special Note:** A few incoming freshmen may be admitted to class based on 8th grade teacher recommendation.

YEARBOOK (1 credit, 2 trimesters) 1st and 2nd Trimesters

GRADES 10-12

Prerequisite: B average in Language Arts preferred and Yearbook Instructor Approval. The focus of the course is the publication of the *SAGA*, the Grayling High School yearbook.

This course is for students who have a good foundation in writing, the ability to work hard and independently, and a commitment to excellence in journalism. Students taking this course will be encouraged to study journalism throughout high school. Because staff positions will be assigned, students must enroll for both trimesters. Basic journalism skills will be taught, including writing, computer design, standards and ethics, advertising, and photography. This course must have a minimum of 15 students to be offered. **Special Note:** A few incoming freshmen may be admitted to class based on 8th grade teacher recommendation.

CREATIVE WRITING (1/2 credit; 1 trimester)

GRADES 11-12

Prerequisite: English 10A and B

This course is an exploration of the elements of narrative writing and will foster higher order thinking skills as well as artistic expression. No prior experience in fiction writing is required. Students will revise and complete a series of short pieces of writing or one longer piece. Along with writing and publishing, the class will cover characterization, plot, setting, scene, detail, and point of view. This course must have a minimum of 15 students to be offered.

MATHEMATICS

ALGEBRA 1 A/B
GEOMETRY A/B
ALGEBRA 2 A/B
FINANCIAL LITERACY
STATISTICS

DISCRETE MATH
ACCOUNTING/FINANCE I A/B
ACCOUNTING/FINANCE II A/B
PRE-CALCULUS A/B
A.P. CALCULUS AB

Students must earn 27 credits with a minimum four credits of math which include courses through Algebra 2. In addition, a math course must be taken during the senior year.

Due to the cumulative nature of learning math, it is strongly suggested that any student earning less than a C- in any math course retake that course as soon as possible until adequate progress is shown.

MATHEMATICS CONTINUED

Grayling High School Suggested Courses of Study

Students interested in attending a four-year university should consider Plan 1 or Plan 2

	<u>Plan 1</u>	<u>Plan 2</u>	<u>Plan 3</u>	
9 th Grade		Geometry A/B,	Algebra 1 A/B	Algebra 1 A/B
10 th Grade		Algebra 2 A/B	Geometry A/B	Geometry A/B
11 th Grade		Pre-Calculus A/B	Algebra 2 A/B	Algebra 2A
12 th Grade		A.P. Calculus A/B	Pre-Calculus A/B or Discrete Math/ Statistics or	Algebra 2B and 1 additional math credit or 1 ½ math credits from the following: Acct./Finance,
Financial			Acct./Finance	Literacy, Statistics or Discrete Math. Classes may be taken in 11 th grade but a math credit must be taken in the senior year.

ALGEBRA 1 A/B (1 credit, 2 trimesters)

GRADES 9-10

Topics that are covered include data organization, area and sub-problems, patterns and graphs, writing and solving equations, numerical, geometric, algebraic ratios, graphing and systems of linear equations, slopes and rates of change, factoring quadratics, the Pythagorean Theorem, exponents and quadratic equations. This is the first course of the Michigan Merit Standard.

GEOMETRY A/B (1 credit, 2 trimesters)

GRADES 9-11

Prerequisite: C- or better in Algebra 1

Geometry topics include concepts involving area and perimeter of all polygonal figures and irregular shaped figures. They are taught using the concept of coordinate geometry. The Pythagorean Theorem is emphasized and used throughout the course. Other topics include spatial visualization with emphasis on properties of surface area and volume. Proof is introduced informally through logical puzzles and then formally taught. Finally, students will use basic trigonometric ratios to do application problems. This is the second course of the Michigan Merit Standard.

ALGEBRA 2 A/B (1 credit, 2 trimesters)

GRADES 10-12

Prerequisite: C- or better in Geometry A/B

This is the third course in the Michigan Merit Standards. Topics that are covered include exploring functions, parabolas and parent graphs including discussion of complex numbers, solutions of systems of equations using matrices, logarithms and other inverse functions, circular functions, and more extensive work with right triangle trigonometry.

MATHEMATICS CONTINUED

FINANCIAL LITERACY (1/2 credit, 1 trimester)

GRADES 11-12

This class is appropriate for juniors and seniors. The class will cover the following topics: banking (such as managing checking and saving accounts and credit cards), money management (such as credit ratings, budgeting and financial planning), taxes, insurance, and investing (such as stocks, bonds, and real estate). The purpose of this class is to provide real life, practical learning activities that prepare students for their financial futures. Students, with instructor approval, may be given permission to retake this course again for credit if a grade of a D- or below was earned. **This elective course may count towards the social studies elective credits requirement or possible senior math. Consult with your counselor for approval.**

STATISTICS (1/2 credit, 1 trimester)

GRADES 11-12

Prerequisite: C- or better in Algebra 2A/B

This class can be taken simultaneously with Pre-Calculus A/B or instead of Pre-Calculus. The combination of Statistics and Discrete Math will satisfy the senior math requirement. This course covers beginning topics in statistics including probability, counting and sampling methods, measures of central tendency, and representations of data including percentiles, z-scores and standard deviation. Sampling and bias in reporting of data are also discussed.

DISCRETE MATH (1/2 credit, 1 trimester)

GRADES 11-12

Prerequisite: C- or better in Algebra 2A/B

This class can be taken simultaneously with Pre-Calculus A/B or instead of Pre-Calculus. The combination of Statistics and Discrete Math will satisfy the senior math requirement. This course provides a general survey of mathematical topics that are useful in our contemporary world. Topics covered include inductive and deductive reasoning, set theory, logic, number representation including number bases other than ten and mathematical systems.

ACCOUNTING/FINANCE I A/B (1 credit, 2 trimesters)

GRADES 9-12

The goals of accounting are to help give the student economic understanding, general education and vocational education as well as giving the student skills for entry level employment in their chosen field. The first trimester of accounting covers an accounting system beginning with the opening entry through journalizing transactions and posting ledgers. The second trimester covers the work sheet, financial statements and adjusting and closing entries. Included in the second trimester is a business simulation set to provide a review of the units and principles learned. For most students the business simulation with source documents is like working in an office. Students entering the class should have at least average ability in math and reading.

MATHEMATICS CONTINUED

ACCOUNTING/FINANCE II A/B (1 credit, 2 trimesters)

GRADES 11-12

Prerequisite: Introduction to Accounting

This course is for students who have successfully completed Introduction to Accounting and is completed using Quickbooks Pro. The course is designed for students who want an accounting position upon graduation from high school or want to go to college and major in accounting or some phase of business. The material in the course is designed to help students broaden and improve their knowledge, understanding, and application of accounting competencies. The course emphasizes using a computerized approach to solving advanced accounting applications and a hands-on approach to learning how automated accounting systems and spreadsheets function.

PRE-CALCULUS A/B (1 credit, 2 trimesters)

GRADES 11-12

Prerequisite: C- or better in Algebra 2

This course is designed to give students a thorough background in topics leading to the study of calculus. Topics covered include logic, analyzing functions, equations and inequalities, integers and polynomials, rational numbers and functions, trigonometry, polar coordinates, recursion and mathematical induction, and an introduction to the derivative.

A. P. CALCULUS AB (1 ½ credits, 3 trimesters)

GRADE 12

Pre-requisite: 4 years of college prep math plus AP Committee approval

This course is intended for students who have a thorough (four years of high school level math) background in college preparatory mathematics. Topics covered in this course will include all those listed in the A.P. Calculus AB syllabus. Those topics include properties of functions, limits, the derivative, application of derivatives, anti-derivatives, the definite integral and applications of the integral. The goal of this course is to prepare the student for the A.P. Calculus AB examination.

SCIENCE

ESSENTIALS OF CHEMISTRY

ESSENTIALS OF PHYSICS

ADVANCED BIOLOGY

BIOLOGY

CHEMISTRY

ADVANCED CHEMISTRY

PHYSICS

EARTH SCIENCE

BOTANY

GENETICS

ZOOLOGY

ANATOMY AND PHYSIOLOGY

CHEMISTRY SURVEY

ADVANCED PLACEMENT BIOLOGY

ADVANCED PLACEMENT CHEMISTRY

Beginning with the class of 2011, students must show competency in the three core science areas – biology, physics, and chemistry and must earn 3 credits of science to qualify for graduation from the Crawford AuSable School District. It is recommended that students who were not successful in 8th grade Earth Science take Earth Science as an elective in 10th or 11th grade.

SCIENCE CONTINUED

This means that students must have 3 credits in science that include:

Biology

Biology

or

Advanced Biology

Chemistry

Essentials of Chemistry **and**
Chemistry

or

Advanced Chemistry

Physics

Essentials of Physics

or

Physics

Students are urged to take additional courses in Zoology, Botany, Earth Science or Genetics to explore other areas of science.

Students interested in attending a 4-year college or university should consider following Plan 1 or Plan 2 “Suggested Courses of Study.”

Grayling High School Suggested Courses of Study:

	<u>Plan 1:</u>	<u>Plan 2</u>	<u>Plan 3:</u>
9 th Grade:	Advanced Biology	Advanced Biology	Essentials of Chemistry & Essentials of Physics
10 th Grade:	Advanced Chemistry & Physics or Essentials of Physics	Advanced Chemistry	Biology
11 th Grade:	AP Biology or AP Chemistry	Physics or Essentials of Physics	Chemistry
12 th Grade:	AP Biology or AP Chemistry	AP Biology or AP Chem. or Human Anatomy	Botany, Zoology, or Genetics Earth Science

Two Trimester Science:

Biology

Advanced Biology

Chemistry

Advanced Chemistry

Physics

Human Anatomy & Physiology (Instructor Approval)

* AP Biology (Instructor’s Approval)

* AP Chemistry (Instructor’s Approval)

* Three trimesters

One Trimester Science:

Essentials of Chemistry

Essentials of Physics

Earth Science

Botany

Genetics

Zoology

Chemistry Survey

ESSENTIALS OF CHEMISTRY (1/2 credit, 1 trimester)

GRADE 9

This course is designed to give students an introduction to chemistry principles that meet the essentials of the MME and ACT curriculum. This course will address the following topics: Forms of Energy, Energy Transfer and Conservation, Properties of Matter, and Changes in Matter.

SCIENCE CONTINUED

ESSENTIALS OF PHYSICS (1/2 credit, 1 trimester)

GRADE 9

This course is designed to give students an introduction to physics principles that meet the essentials of the MME and ACT curriculum. This course will address the following topics: Motion of Objects, Forces and Motion, and Forms of Energy and Energy Transformations.

ADVANCED BIOLOGY A/B (1 credit, 2 trimesters)

GRADE 9

Prerequisite: 8th grade Science Instructor Approval or High School Instructor Approval

This course will present an in-depth study of the essentials, core, and recommended expectations. Topics will include: Organization and Development of Living Systems, Interdependence of Living Systems and the Environment, Evolution and Biodiversity.

BIOLOGY A/B (1 credit, 2 trimesters)

GRADE 10

Prerequisite: Essentials of Chemistry

This course will cover the MME and ACT essentials and core expectations with emphasis on the essentials. Topics will include: Organization and Development of Living Systems, Living Systems and the Environment, Evolution and Biodiversity.

CHEMISTRY A/B (1 credit, 2 trimesters)

GRADES 10-12

Prerequisite: Essentials of Chemistry, successful completion of Algebra 1 and Biology or Advanced Biology

This course will cover the essential and core topics covered by the MME and ACT curriculum with the emphasis on the core objectives. Topics will include: Forms of Energy, Energy Transfer and Conservation, Properties and Changes in Matter, and Scientific Inquiry. The course will include laboratory experiments and problem solving.

ADVANCED CHEMISTRY A/B (1 credit, 2 trimesters)

GRADES 10-12

Prerequisite: Advanced Biology or Biology with instructor approval

This course will review essentials and emphasize the core and recommended topics covered by the MME and ACT curriculum. Topics will include: Forms of Energy, Energy Transfer and Conservation, Properties of Matter and Changes in Matter.

PHYSICS A/B (1 credit, 2 trimesters)

GRADES 11-12

Prerequisite: Chemistry or Advanced chemistry, Algebra II and Geometry (one of which may be taken the same year as Physics) and Instructor Approval

This course will discuss in detail the essential, and recommended core expectations of the MME and ACT curriculum. Knowledge of physical principles allows understanding in other sciences and everyday experiences. Topics covered will include: Motion of Objects, Forces and Motion, Forms of Energy and Energy Transformations. Problem solving and labs will be the primary method of learning.

EARTH SCIENCE (1/2 credit, 1 trimester)

GRADES 10-12

This course is designed to give students an introduction to the principles of Earth Science and meet the essentials of the MME curriculum.

SCIENCE CONTINUED

BOTANY (1/2 credit, 1 trimester)

GRADES 10-12

Prerequisite: Completion of Biology or Advanced Biology

Botany is the study of plants. Students in this course will study plants in a phylogenetic approach, concentrating on plant morphology (structure), physiology, developmental stages, and ecosystem interactions of the major groups of plants.

GENETICS (1/2 credit, 1 trimester)

GRADES 10-12

Prerequisite: Completion of Biology or Advanced Biology

Genetics is the branch of biology that studies heredity. In this course, students will study DNA structure and function, Mendel's Laws of Inheritance, sex-linked traits, polygenetic inheritance, the human genome, and DNA technology.

ZOOLOGY (1/2 credit, 1 trimester)

GRADES 10-12

Prerequisite: Completion of Biology or Advanced Biology

Zoology is the study of animals. In this course, students will use a phylogenetic approach in studying the anatomy and physiology, developmental stages, symmetry, and body organization of the major groups of animals. Sponges, Flatworms, Cnidarians, Nematodes, Mollusks, Annelids, Arthropods, Echinoderms, and Chordates will be studied. Various laboratory exercises will also be required for the course, including the dissection of various animal specimens.

ANATOMY AND PHYSIOLOGY A/B (1 credit, 2 trimesters)

GRADES 11-12

Prerequisite: B or better in Advanced Biology and Instructor Approval

This course is an in-depth study of the structure and function of the human body. Emphasis is placed on the advanced study of human systems; their function both normal and abnormal will be explored. Animal dissection required.

CHEMISTRY SURVEY (1/2 credit, 1 trimester)

GRADES 10-12

Prerequisite: Chemistry or Advanced Chemistry and Instructor Approval

This course is designed for students who want a deeper understanding of chemistry. Students who are considering taking AP Chemistry should take this course. Topics covered will include Enthalpy and Entropy, Chemical bonds, Electron configuration, and Acid Base Chemistry.

ADVANCED PLACEMENT BIOLOGY (1 ½ credits, 3 trimesters)

GRADES 11-12

Prerequisite: Advanced Biology, Advanced Chemistry and Instructor Approval

A.P. Biology will consist of a fast-paced class geared to the college student who wishes to earn college credit by taking the A.P. Biology test in May. The students will be expected to study a minimum of two (2) hours per one (1) in class. There are a minimum of 12 required labs to be scheduled on some Saturdays. This class is offered on alternating years with A.P. Chemistry. This course will be offered on an every-other-year rotational basis and will be offered in the 2010-11 school year. This course will alternate with AP Chemistry.

SCIENCE CONTINUED

ADVANCED PLACEMENT CHEMISTRY (1 ½ credits, 3 trimesters)

GRADES 11-12

Prerequisite: Advanced Chemistry and Instructor Approval

A.P. Chemistry will consist of a fast paced class geared to the college bound student who wishes to earn college credit by taking the A.P. Chemistry test in May. The students will be expected to study as if it is a college class with a minimum of two (2) hours of study per one (1) in class. This class is offered on alternating years with A.P. Biology. This course will be offered on an every-other-year rotational basis and will **not** be offered in the 2010-11 school year. This course will alternate with AP Biology.

SOCIAL STUDIES

CIVICS

WORLD HISTORY/GEOGRAPHY

US HISTORY/GEOGRAPHY

ECONOMICS

LAW AND ETHICS

CURRENT EVENTS

FINANCIAL LITERACY

SOCIOLOGY

ABNORMAL PSYCHOLOGY

ADVANCED PLACEMENT

U.S. HISTORY

ADVANCED PLACEMENT

EUROPEAN HISTORY

PSYCHOLOGY

Students must show competency in the four core Social Studies areas – World History/Geography, US History/Geography, Civics, and Economics, and must earn 3 credits. This means that students must take a minimum of the following:

2 Trimesters of World History/Geography

2 Trimesters of US History/Geography

1 Trimester of Civics

1 Trimester of Economics

Students are encouraged to take additional electives to explore other areas of Social Studies.

Grayling High School Course of Study

9th Grade: 2 Trimesters of World History/Geography

10th Grade: 2 Trimesters of US History/Geography

11th Grade: 1 Trimester of Civics and 1 Trimester of Economics

12th Grade: Any of the electives offered may be taken.

CIVICS (1/2 credit, 1 trimester) Required

GRADE 11

Students will examine the federal, state, and local branches of government, and their relationships with one another. Class goals and student work are designed to help students become better citizens, and prepare them to successfully complete the eleventh grade social studies proficiency test.

*Students planning on enrolling in the Career Tech Center in their junior year should consider taking civics in their sophomore year to ensure that they will be well prepared for the eleventh grade social studies proficiency test.

SOCIAL STUDIES CONTINUED

WORLD HISTORY/GEOGRAPHY A/B (1 credit, 2 trimesters) Required

GRADE 9

Students will examine world regions, as well as the major world cultures that have occurred throughout history. Class goals and student work are designed to help students understand our place in world history, gain an understanding of world geography, and prepare them to successfully complete the eleventh grade social studies proficiency test. This course also implements a component of the MMC online experience.

US HISTORY/GEOGRAPHY A/B (1 credit, 2 trimesters) Required

GRADE 10

The purpose of this course will be a general survey of important events that have shaped the history of the United States from post-civil war to the present time. Class goals and student work are designed to help make students more aware of our nation's history, gain an understanding of United States geography, as well as prepare them to successfully complete the eleventh grade social studies proficiency test.

ECONOMICS (1/2 credit, 1 trimester) Required

***GRADE 11**

The purpose of this course is to acquaint the student with the fundamental concepts of Macro and Micro Economics. This course will cover supply and demand, labor, business structure, the role of the government in the economy, and different economic systems of the world. The students will look at problems and issues facing the world economy. Class goals and student work are designed to prepare students for the successful completion of the eleventh grade social studies proficiency test. This course also implements a component of the MMC online experience.

*Students planning on enrolling in the Career Tech Center in their junior year should consider taking economics in their sophomore year to ensure that they will be well prepared for the eleventh grade social studies proficiency test.

LAW AND ETHICS (1/2 credit, 1 trimester)

GRADES 11-12

The purpose of this course is to introduce students to the history of laws in society. The students will learn why there is a need for law for a society or civilization to exist. This course will also look at how societies have handled deviant behavior in the past, and how views have changed. The students will also look at how ethical behavior is also needed in a society and how ethics have an impact on the successes/failures in a society. Students will use historical and modern documents (such as the Declaration of Independence, the Magna Carta, the Constitution, the Bill of Rights, and modern case law) to analyze how human behavior is modified by governing authorities, so as to maintain order in a society.

*** CURRENT EVENTS** (1/2 credit, 1 trimester)

GRADE 10-12

This class is designed to make students aware of events taking place in the United States and around the world. Students will follow daily news, in general, as well as focus on a selected Current Events theme, which they will study in greater depth and detail.

SOCIAL STUDIES CONTINUED

FINANCIAL LITERACY (1/2 credit, 1 trimester)

GRADES 11-12

This class is appropriate for juniors and seniors. The class will cover the following topics: banking (such as managing checking and saving accounts and credit cards), money management (such as credit ratings, budgeting and financial planning), taxes, insurance, and investing (such as stocks, bonds, and real estate). The purpose of this class is to provide real life, practical learning activities that prepare students for their financial futures. Students, with instructor approval, may be given permission to retake this course again for credit if a grade of a D- or below was earned. **This elective course may count towards the social studies elective credits requirement or possible senior math. Consult with your counselor for approval.**

* **PSYCHOLOGY** (1/2 credit, 1 trimester)

GRADES 11-12

This class is designed to give students an introduction to the terminology and concepts used in psychology. It will explore what people do, how they think, and why they act as they do. The class will give insight to the behavior patterns of the normal and abnormal people within our society.

* **SOCIOLOGY** (1/2 credit, 1 trimester)

GRADES 11-12

This class is designed to show the interaction of individuals and groups, with that of society as a whole. It will deal with basic concepts, social institutions and sociological processes. Sociology is the study of society. In order to understand society one must be able to see the world through the eyes of others. By using this sociological imagination, students can understand the world around them.

* **ABNORMAL PSYCHOLOGY** (1/2 credit, 1 trimester)

GRADES 11-12

This one trimester class is designed as a systematic study of human behavior. Students are exposed to scientific methodologies, psychological facts and phenomena. An emphasis is placed on theorists and theories. This class will consist of selected outside readings, experiments, case studies, and a research paper along with accompanying text.

* **ADVANCED PLACEMENT U.S. HISTORY** (1 ½ credits, 3 trimesters)

GRADES 11-12

Prerequisite: Successful completion of US History or comp-out exam, and instructor recommendation

A.P. U.S. History is a college-level class that uses a college level curriculum to study our nation's history from the Pre-Columbian encounter through present. Students will take the A.P. examination and can earn college credit with a satisfactory exam score. This is a full year course, and is extremely rigorous. This course will be offered on an every-other-year rotational basis and will **not** be offered in the 2010-11 school year. This course will alternate with A.P. European History.

* **ADVANCED PLACEMENT EUROPEAN HISTORY** (1 ½ credits, 3 trimesters)

GRADE 11-12

Prerequisite: B or better cumulative G.P.A. and Instructor Recommendation

A.P. European history is a full year introductory college course in European history from 1450 to the present time. The themes that will be explored include intellectual and cultural history, political and diplomatic history, and social and economic history. Students will take the A.P. examination and can earn college credit with a satisfactory exam score. This course will be offered on an every-other-year rotational basis and will be offered in the 2010-11 school year. This course will alternate with A.P. U.S. History.

* **Designates elective courses that count towards the social studies elective credits requirement.**

WORLD LANGUAGE

Spanish 1
Spanish 2
Spanish 3

Spanish 4
Spanish 5
French 1

**Most colleges prefer the study of 2 years (4 trimesters) of the same language. Some are beginning to require 3 years (6 trimesters) or 4 years (8 trimesters) of the same language. Eighth grade students successfully completing a minimum of 2 trimesters of Spanish at Grayling Middle School may have the opportunity to take the Spanish 1A final exam. GMS students in this situation have the invitation to test out of GHS Spanish 1A. In the spring, prior to scheduling, the test will be administered. Students earning a C+ or better will earn ½ credit and advance to Spanish 1B. Students earning at least a C- may be given instructor permission to advance to GHS Spanish 1B; however, HS credit will not be issued.

SPANISH 1 A/B (1 credit, 2 trimesters)**

GRADES 9-12

Recommendation: C- or better in English

This two-trimester course is an introduction to the Spanish language and Hispanic cultures. The focus is on the development of basic communication skills through participatory exercises in listening, speaking, reading, and writing. Useful expressions, basic vocabulary, grammar, and customs of Spanish-speaking countries are taught and active student involvement is required.

SPANISH 2 A/B (1 credit, 2 trimesters)**

GRADES 10-12

Recommendation: C- or better in Spanish 1 A& B

The course is a continuation of Spanish 1 A & B for students who want to further develop their abilities. The focus continues to be on the development of communication skills, vocabulary, grammar, and knowledge of Hispanic cultures, but in greater depth and with higher expectations for student performance.

SPANISH 3 A/B (1 credit, 2 trimesters)

GRADES 10-12

Recommendation: C- or better in Spanish 2 A& B

The course is for serious students of Spanish who may want to further their knowledge of the language after graduation or show competency at the college level. If the class is small, this may be taught jointly with Spanish 4. While the focus continues to be on the four interrelated communication skills and cultural studies, greater emphasis is placed on spontaneous listening and speaking, structured writing and reading.

SPANISH 4 A/B (1 credit, 2 trimesters)

GRADES 11-12

Recommendation: C- or better in Spanish 3 A& B

This is a continuation of Spanish 3A & B. This is a course only for serious students of Spanish. If the class is small, it will be offered jointly with Spanish 3A & B. The focus continues to be on advanced communication skills and cultural studies with a stronger emphasis on grammar and structure, in order to develop communication abilities and prepare students for college study or competency examinations.

WORLD LANGUAGE CONTINUED

SPANISH 5 A/B (1 credit, 2 trimesters)

GRADES 12

Recommendation: C- or better in Spanish 4 A & B

This course is for seniors who have completed Spanish 4 and want to further and deepen their knowledge of the language. Depending upon student interest, there may be an option to study for one of the two Spanish Advanced Placement tests.

FRENCH 1 A/B (1 credit, 2 trimesters)

GRADES 11-12

Recommendation: C- or better in English

This two trimester course is an introduction to the French language and Franco cultures. It is intended for the students who have completed at least two years (4 trimesters) of Spanish and wish to expand their knowledge of World Languages. The focus is on the development of basic communication skills through participatory exercises in listening, speaking, reading and writing. Useful expressions, basic vocabulary, and customs of French-speaking countries are taught and active student involvement is required. This course must have a minimum of 20 students to be offered.

HEALTH/PHYSICAL EDUCATION

**CONTEMPORARY HEALTH
FITNESS FOR LIFE**

**STRENGTH AND CONDITIONING
SPORTS LEADERSHIP**

***ONE Trimester of Contemporary Health and ONE Trimester of any Physical Education class are required for graduation. All Physical Education classes may be taken more than once.**

CONTEMPORARY HEALTH (1/2 credit, 1 trimester) Required

GRADES 9-12

This required course introduces the student to all of the various areas of health through lecture, testing, group work, life skill simulations, multi-media exploration, student research, and student-centered projects. Topics addressed include self-esteem, healthy choices, relationships, psychoactive drugs, nutrition, bones and muscles, communication, and various aspects of mental health. Sexual Education, using the “Safer Choices” model, is also taught during this class.

FITNESS FOR LIFE (1/2 credit, 1 trimester)

GRADES 9-12

This course is designed to allow the student the opportunity to participate in health-related fitness activities which include aerobic activities, strength activities, weight-lifting activities and flexibility exercises. The student will be exposed to fundamental skills, rules and strategies of a variety of team games and individual activities. Self-discipline and motivation will be developed throughout the trimester to ensure the student learns the skills necessary to become physically active in both the community and recreational settings.

HEALTH/PHYSICAL EDUCATION CONTINUED

STRENGTH AND CONDITIONING (1/2 credit, 1 trimester)

GRADES 9-12

Prerequisite: Successful completion of Fitness For Life or Instructor Approval Required

This course is designed to offer the students opportunities to learn the proper techniques in resistance training. Many different bodybuilding and power lifting workouts will be incorporated into the trimester. Aerobic and anaerobic workouts will also be performed throughout the trimester. The students will learn the essential cognitive, psychomotor and affective skills necessary for life-long success with physical fitness and strength training. Various agility and speed drills will also be incorporated into the class.

SPORTS LEADERSHIP (1/2 credit, 1 trimester)

GRADES 11-12

Instructor Approval Required

This class will allow the student athletes to improve their performance in extracurricular activities through lecture and athletic training. This leadership class is open to all students who participate in varsity sports. Lectures and other multi-media presentations are implemented to improve the cognitive aspects of leadership and team building. Students will have the opportunity to improve their health and physical fitness levels with the use of sport specific workouts, as well. This class will develop excellent physical conditioning, teach discipline that will positively affect their daily living and academics, build teamwork, increase confidence, improve communication, teach responsibility and respect, develop good decision-making skills, and teach promptness. The fall course is offered to male varsity athletes. The spring course is offered to female varsity athletes. Students dismissed from their varsity sport, or that quit their varsity sport, will receive no credit in Sports Leadership and may be assigned to another course.

ZERO HOUR (Varsity Football) (1/4 credit, 1 trimester)

Varsity Football Prospects

This class is for a student who is interested in playing varsity football. It will combine weight training, plyometrics, speed training, cardio respiratory endurance, agility, and flexibility. This class will also provide an opportunity for the player to become a student of the game. The student athlete will also learn how to break down scout film, study tendencies of offenses, and how to take advantage of personnel issues. This class will develop excellent physical conditioning, teach discipline that will positively affect their daily living and academics, build teamwork, increase confidence, improve communication, teach responsibility and respect, develop good decision-making skills, and teach promptness. This class meets from 7 to 8 a.m. the last ten weeks of school.

INDUSTRIAL EDUCATION

INTRO TO CONSTRUCTION TRADES

CONSTRUCTION TRADES

INTRODUCTION TO CONSTRUCTION TRADES (1/2 credit, 1 trimester)

GRADES 9-12

This program will introduce students to the construction industry. Topics covered will include basic safety, introduction to construction math, introduction to hand tools, introduction to power tools, and basic blue print reading, ladder and scaffolding safety, building designs, building materials, and building careers. This class may be taken more than once with teacher recommendation.

INDUSTRIAL EDUCATION CONTINUED

CONSTRUCTION TRADES A/B (1 credit, 2 trimesters)

GRADES 10-12

Prerequisite: Introduction to Construction Trades, and instructor approval

This program will cover most phases of residential construction including rough framing, roofing, exterior finish, wiring, drywall hanging and finishing, and concrete forming and finishing. Construction modules will provide students an opportunity to gain hands-on experience in a controlled environment. Students who elect to complete projects outside the scope of the class are required to pay for materials.

TECHNICAL EDUCATION

BEGINNING DRAFTING TECHNICAL DRAFTING

ARCHITECTURAL DRAFTING AUTOCAD

BEGINNING DRAFTING A/B (1 credit, 2 trimesters)

GRADES 9-12

This course is valuable for all students regardless of their career choice. Students will be involved with both orthographic and pictorial drawings which will improve their depth perceptions and space visualizations for anything from medicine to music to any of the construction trades. A highly valuable course for college prep students. Students will expand into surface development, auxiliary views and sections during the second half of this course.

TECHNICAL DRAFTING A/B (1 credit, 2 trimesters)

GRADES 10-12

Prerequisite: Beginning Drafting C- or better, and Instructor Approval

This course is a continuation of the Beginning Drafting course with the emphasis on engineering and the machine trades. Using 3D parametric modeling techniques, students will produce 3-D objects, working drawings, assemblies, and animations. All drawings will be done on computers, using AutoCAD software, and plotted using industrial methods and techniques. Students will compete in rim designs and a car design project during the second half of the course.

ARCHITECTURAL DRAFTING A/B (1 credit, 2 trimesters)

GRADES 10-12

Prerequisite: Beginning Drafting C- or better, and Instructor Approval

This course is all about home design and the residential industry. Students will be introduced to floor plans, elevations, perspectives, codes, and the dimensioning and rendering of various drawings. All drawings will be done on computers, equipped with AutoCAD software, and plotted using industrial methods and techniques. First trimester will be all required drawings with the 2nd trimester being a student design problem. Creativity is a plus. Ambition is a must. The A section of this course is a Baker College Course. Refer to Baker College section under Supplemental Placement Curriculum for details.

TECHNICAL EDUCATION CONTINUED

AUTOCAD A/B (1 credit, 2 trimesters)

GRADE 12

Prerequisite: Instructor Approval

This course is a senior-level only class. All drawings are done on a computer and plotted using the same equipment and techniques industry uses. This course is designed for the advanced student who has a high level of interest in the drafting/CAD design area, and is seriously considering pursuing this field as a career option. With the instructor's approval, an independent study curriculum will be set with a minimum of two trimester projects. It is highly recommended that you have Architectural Drafting *and* Technical Drafting prior to taking Autocad. At the completion of the course the students may qualify for five (5) college credits in the drafting and design curriculum at Kirtland Community College.

FINE ARTS AND MUSIC

INTRODUCTION TO ART

2-D DESIGN

3-D DESIGN *

PHOTOGRAPHY *

CERAMICS

DRAWING

PRINTMAKING *

PAINTING *

ADVANCED ART

ADVANCED PLACEMENT ART

CONCERT CHOIR

MORNING BLEND CHOIR

BAND

***These courses will be offered on an every-other-year rotational basis.**

INTRODUCTION TO ART (½ credit, 1 trimester)

GRADES 9-12

This course is designed to acquaint the beginning art student with various artists, mediums and techniques in art. Students will explore the elements and principles of art through projects, discussions, and various assignments. Students must pass this class with a C- or better in order to take higher level art classes. The content of this course is covered at Grayling Middle School. This course is offered to transfer students or students who have not shown mastery at GMS.

2-D DESIGN (1/2 credit, 1 trimester)

GRADES 9-12

Prerequisite: Introduction to Art with a C- or better

This class will focus on the elements and principles of design through two-dimensional formats. Students will explore components of composition of two-dimensional objects. Students will learn how to critique other works of art and evaluate their own art works.

3-D DESIGN (1/2 credit, 1 trimester)

GRADES 10-12

Prerequisite: Introduction to Art, 2-D Design with a C- or better or instructor approval

This course will focus on the elements and principles of design through three-dimensional formats. Students will explore components of composition of three-dimensional objects. Students will use sculpture and found object assemblage. Students will learn how to critique other works of art and evaluate their own art works. This course will be offered on an every-other-year rotational basis and will be offered in the 2010-11 school year. This course will alternate with Photography.

FINE ARTS AND MUSIC CONTINUED

PHOTOGRAPHY (1/2 credit, 1 trimester)

GRADES 10-12

Prerequisite: Introduction to Art and Instructor Approval, Drawing or 2-D Design with a C- or better

This course is to acquaint students with the basics of photography, including the use of a manual camera, photo printing and photo-composition. Students will learn how to operate a manual camera, including loading the camera, setting up the composition and the proper use of “F-stops”. Students will also be responsible for developing their own negatives and pictures. Students will need to supply their own manual 35 mm camera. **The purchasing of additional supplies may be required.** This course will be offered on an every-other-year rotational basis and will **not** be offered in the 2010-11 school year. This course will alternate with 3-D Design.

CERAMICS (1/2 credit, 1 trimester)

GRADES 9-12

Prerequisite: Introduction to Art with a C- or better or Instructor Approval

This class will give the beginning ceramic student the opportunity to explore the world of clay. Students will be taught to build functional and non-functional works of art using pinch, coil, slab, and poured mold methods. Students will also explore the basic uses of stains, under glazes and glazes. Sections of this course may be limited on a yearly basis. This course may be taken more than once.

DRAWING (1/2 credit, 1 trimester)

GRADES 9-12

Prerequisite: Introduction to Art with a C- or better and Instructor Approval

This course will allow students to explore various drawing techniques. Students will be taught the correct use of drawing materials such as: pencil, charcoal, pastel, pen and ink, and colored pencil. **Students may be required to supply some of their own materials.** This course may be taken more than once.

PRINTMAKING (1/2 credit, 1 trimester)

GRADES 9-12

Prerequisite: Drawing or 2-D design and/or instructor approval

This class will explore the many possibilities of printmaking. Students will explore monoprinting, linoleum printing, wood cuts, lithographs, screen prints, and multi-color printing. Students will be taught the correct use of carving tools, creating prints, and using a printing press. This course will be offered on an every-other-year rotational basis and will be offered in the 2010-11 school year. This course will alternate with Painting.

PAINTING (1/2 credit, 1 trimester)

GRADES 9-12

Prerequisite: Introduction to Art, Drawing, with a C- or better or Instructor Approval

This course will allow students to explore various techniques in the area of painting. Students will be taught the correct use of acrylic, oil, and watercolor paints. **Students may be required to supply some of their own materials.** This course will be offered on an every-other-year rotational basis and will **not** be offered in the 2010-11 school year. This course will alternate with Printmaking. This class may be taken more than once.

FINE ARTS AND MUSIC CONTINUED

ADVANCED ART (1/2 credit, 1 trimester or 1 credit, 2 trimesters)

GRADE 12

Prerequisite: All available art classes and Instructor Approval

This class is designed for the serious senior art student who is interested in a career in art or further studies in art. This class is a better option than Independent Study. Students will have the opportunity to work in sculpture, 2-dimensional work, video, film, ceramics, photography, or whatever art medium they want to challenge themselves with. Students will be encouraged to develop their own course of study for this class. Demonstrations of various techniques, mediums, and artists will take place on a weekly basis. **Students are encouraged to purchase their own materials.**

ADVANCED PLACEMENT ART (1½ credits, full year)

GRADES 11-12

Prerequisite: All available art classes and Instructor Approval

This class is offered at Kirtland Community College, for the serious art student who will be attending an art school. This class is a very demanding course, focusing on art history, techniques, and a portfolio. In order to receive AP credit, a portfolio must be completed and sent to a jury of panelists for evaluation. Students must have instructor approval to take this class. **Students will be required to find their own transportation to and from Kirtland Community College, and will most likely be required to purchase their own materials.**

CONCERT CHOIR (1 ½ credits, full year)

GRADES 9-12

The Grayling High School Concert Choir is a mixed vocal ensemble. It is an introduction to choral singing at the high school level. The class curriculum consists of development of the singing voice, sight singing, ear training, and music literacy, which will culminate in required public performances. Concert Choir is open to any high school student interested in singing and no audition is necessary, however, commitment to singing and choir is imperative. All Concert Choir members are expected to maintain the high musical standards of the Grayling High School Choral Program by demonstrating consistency in participation, positive attitude, personal musical growth, and teamwork. **Required performances are scheduled throughout the school year. Attendance at all rehearsals and performances is mandatory as they are part of the class grade.**

MORNING BLEND CHOIR (1 ½ credits, full year)

GRADES 9-12

Prerequisite: Instructor Approval and previous music experience

Morning Blend is a select mixed vocal ensemble that meets before school, three mornings a week. Students are admitted with permission of director. All Morning Blend Choir members are expected to maintain the high musical standards of the Grayling High School Choral Program by demonstrating consistency in participation, positive attitude, personal musical growth, and teamwork. **Required performances are scheduled throughout the school year. Attendance at all rehearsals and performances is mandatory as they are required to earn credit.**

FINE ARTS AND MUSIC CONTINUED

BAND (1 ½ credits, full year)

GRADES 9-12

Students will not be granted enrollment in second or third trimester if they have not participated in first trimester (trimester move-ins are an exception)

The Grayling High School Band is a full year course; therefore, all three trimesters are required for participation in band. Band class offers continuous growth of the instructional music student. The long-range goals are to develop musically sensitive students and to develop a life-long opportunity to perform, read, and understand music. Individual student development on the musical instrument, as well as full band concepts are covered in this course. Home practice is expected if the student is to develop their musical skills. First trimester consists of marching band and holiday concert band preparations. The second trimester involves the presentation of the Holiday Concert, Pre-Festival Concert, and Band Festival. Third trimester prepares for the annual Spring Concert, Spring Band Trip (even number years), Graduation, preparation for summer activities include the July 4th Parade, the Au Sable River Festival Parade, and the Lovells Bridge Walk. Summer Band Camp at Lake Superior State University is a major portion for preparation of the fall marching band show. Students are also presented with opportunities to participate in the following band activities: solo and ensemble activities, Pep Band, and lessons. Required performances are scheduled throughout the school year. Attendance at all rehearsals and performances is mandatory as this is a part of the class grade.

BUSINESS TECHNOLOGY

**MANAGEMENT SUPPORT 1
MANAGEMENT SUPPORT 2
MANAGEMENT SUPPORT 3**

**MANAGEMENT SUPPORT 4
ACCOUNTING/FINANCE I A/B
ACCOUNTING/FINANCE II A/B**

All management support classes will meet the state-mandated guidelines that include the common business tasks: communication, human relations, management and organizational development, mathematics, technology, career development, entrepreneurship, international business, and lifelong learning. In addition, each class will focus on the following skills:

MANAGEMENT SUPPORT 1 A/B (1 credit, 2 trimesters)

GRADES 9-12

Prerequisite: Keyboarding proficiency and/or instructor approval

Students will begin the year with checkbook simulations, keyboarding review, computer literacy, Internet, and word processing. The next focus will be on completion of a career exploration unit including job shadowing, resumes, letters of application, and interview skills. Software will include Word, Excel, Publisher, Access, and PowerPoint. **This class will not be offered in the 2010-2011 school year.**

MANAGEMENT SUPPORT 2 A/B (1 credit, 2 trimesters)

GRADES 10-12

Prerequisite: Management Support 1 or instructor approval

Students will use advanced applications of Microsoft Office software including Word, Excel, Access, PowerPoint, and Front Page. Mail skills, inventory, filing, money management, web page design, and software certification skills will be emphasized. Career skills will be integrated with a strong emphasis on work ethics.

BUSINESS TECHNOLOGY CONTINUED

MANAGEMENT SUPPORT 3 A/B (1 credit, 2 trimesters)

GRADES 11-12

Prerequisite: Management Support 2 or instructor approval

Students will focus on advanced software applications, web page design, office management skills such as organizing, theories of management, human resource management, legal or medical office processing, and integrating applications. Upon completion of this course, MOUS certification in word processing, spreadsheets, database or PowerPoint will be an option for those students wishing to go through that process. This course must have a minimum of 15 students to be offered. **This class will not be offered in the 2010-2011 school year.**

MANAGEMENT SUPPORT 4 A/B (1 credit, 2 trimesters)

GRADE 12

Independent Study with instructor approval. **This class will not be offered in the 2010-2011 school year.**

ACCOUNTING/FINANCE I A/B (1 credit, 2 trimesters)

GRADES 9-12

The goals of accounting are to help give the student economic understanding, general education and vocational education as well as giving the student skills for entry level employment in their chosen field. The first trimester of accounting covers an accounting system beginning with the opening entry through journalizing transactions and posting ledgers. The second trimester covers the work sheet, financial statements and adjusting and closing entries. Included in the second trimester is a business simulation set to provide a review of the units and principles learned. For most students the business simulation with source documents is like working in an office. Students entering the class should have at least average ability in math and reading.

ACCOUNTING/FINANCE II A/B (1 credit, 2 trimesters)

GRADES 11-12

Prerequisite: Introduction to Accounting

This course is for students who have successfully completed Introduction to Accounting and is completed using Quickbooks Pro. The course is designed for students who want an accounting position upon graduation from high school or want to go to college and major in accounting or some phase of business. The material in the course is designed to help students broaden and improve their knowledge, understanding, and application of accounting competencies. The course emphasizes using a computerized approach to solving advanced accounting applications and a hands-on approach to learning how automated accounting systems and spreadsheets function.

ADVANCED PLACEMENT (A.P.)

The AP Program gives students the opportunity to pursue college level courses while still in high school. An official examination created by the College Board for the specific Advanced Placement Course will be given at the end of each AP course. Based on the individual scores and the policy of the university or college the student attends after GHS graduation, the student may earn college credit.

Students must have completed the appropriate GHS prerequisite course requirements and possess the necessary knowledge base prior to registering for AP courses. (Final approval will be confirmed by the student's counselor.)

An AP course will be valued one full grade point higher than the grade received. (Example: A= 5.0 instead of 4.0, B 4.0 instead of 3.0, etc. See Grade Point Average and Honors in the Student Handbook. Students taking an AP course on-line will be given their grade by the on-line instructor, and that grade will also be weighted as described in the example. Students choosing to prepare for an AP test independently for AP courses that GHS does not offer may choose a letter grade or a CR/NR given by their mentor teacher, but the student will not receive a weighted grade.

Please see the specific course descriptions in each of the department listings for more details on the following courses: AP Biology offered in alternating years from AP Chemistry, AP U.S. History offered the same year as AP Chemistry alternating with AP European History, AP Composition and Literature offered every year, AP Calculus also offered every year.

SUPPLEMENTAL PLACEMENT CURRICULUM*

ACADEMIC STRATEGIES

GRADES 9-12

Students will be placed in this course by the SAT team and/or counselor

This course is intended for students that have not earned credit in two or more classes. This class will focus on assignment completion using Edline, including daily and weekly assignment tracking of student's progress, as well as student/teacher contacts via email. Study and test taking strategies will be taught and practiced as well. Additional EDP details such as the students' four-year GHS academic plans will be a focus as well. Continued EDP development will include post graduation career and educational searches and planning. **Students may only enroll in this class with counselor and SAT team approval.** This course may not be offered every year.

ACE (ACADEMIC CORE ELEVEN)

GRADE 11

All eleventh grade students are required to take this course unless they have scored at the college readiness standard on all areas of the Plan test. This course is designed to help prepare students for the ACT test. Students will rotate through three, 4-week rotations in English/Language Arts, Math and Science. This course is an elective credit and is graded credit/no credit based on attendance and participation. This course is offered in the winter trimester.

SUPPLEMENTAL PLACEMENT CURRICULUM* CONTINUED

INDEPENDENT STUDIES*

GRADES 11-12

Students taking Independent Studies must have approval from teacher, counselor and administration two weeks prior to the beginning of the trimester in which it is to be taken.

Independent study is designed to encourage students to engage in independent projects that could not be done in the regular school schedule (i.e. community service intern, research projects, etc.). An interested student should refer to his/her student handbook regarding the specific procedures required in developing a proposal and discuss his/her goals with a counselor. Credit is determined according to individual projects.

SERVICE LEARNING

GRADES 9-12

Students develop and implement projects to help the community and school. Students use language arts, math, social studies, reading, science, technology and communication through their activities. Through their service projects, students learn to work with the community and most of all each other. Students learn responsibility and respect as well. **Students may only enroll in this class with counselor and instructor approval.** This course may not be offered every year.

S.O.S. (SUPPORT OUR STUDENTS)

GRADES 9-12

Students will be placed in this course by their counselor

Students complete online components of Career Cruising related to career exploration and community service outreach. Students participate in community service projects as designed and developed by the class with instructor guidance. Students increase overall organizational skills and develop abilities to balance school work and time to community initiatives. This course may not be offered every year

BAKER COLLEGE COURSES

GRADES 11-12

Each year Grayling High School attempts to offer additional opportunities for students to earn college credit. Refer to each GHS course listed below for specific prerequisites. The following Baker College courses will be offered at GHS:

Baker Spanish 101 (4 quarter credits) **and 102** (4 quarter credits) / GHS Spanish 4 A/B

Baker MTH 401 Statistical Methods (4 quarter credits) / GHS Statistics

Baker MTH 340 Discrete Math (4 quarter credits) / GHS Discrete Math

Baker CAD 111 Comp Aided Draft (4 quarter credits) / GHS Arch. Drafting A

The Crawford AuSable School District Board of Education proudly pays the full tuition for all students earning a C+ or higher (\$268 per 4 quarter credits). Students taking these courses will earn Baker and GHS credits for earning C+ or higher grades. Students earning grades of C or below will be required to reimburse GHS for ½ of the Baker tuition cost (\$134 per 4 quarter credit class). Students must earn a C+ for credit to transfer to colleges and universities.

ADVANCED EDUCATIONAL PLACEMENT*

GRADE 12

Dual enrollment at Kirtland Community College is an option for some students. **See letter on page 42.**

*IN MOST CASES STUDENTS WOULD BE RESPONSIBLE FOR PROVIDING THEIR OWN TRANSPORTATION, BECAUSE CLASS TIMES DO NOT MATCH UP WITH THE CTE BUS.

SPECIAL EDUCATION SUPPORT

The following courses are individually designed for Special Education students to meet the goals and objectives of each student's Individual Education Plan (IEP). Eligibility for Special Education classes is determined at the IEP Meeting. IEP's are developed by a Multidisciplinary Team and reviewed yearly. Students are scheduled into classes through the IEP process and granted departmental or elective credit as appropriate. Students may also participate in COOR vocational classes and Kirtland Community College as deemed appropriate.

RESOURCE PROGRAM - Resource Room classes follow the same curriculum as general education classes, as dictated by the Michigan Merit Curriculum expectations. Instruction is designed to meet the needs of individual students who qualify for Special Education Support. Resource Room services are provided through classes which are smaller in size, allowing for more individual and small group instruction, or with the Special Education and general education teachers team-teaching within the general education classroom. Individual accommodations* are made to meet the students' needs.

English/ Language Arts	Math	Social Studies
Inclusion Social Studies	Study Support	Transition Skills
Inclusion Science	Science	Pre-Algebra (must pass with C- to advance to next level)

CATEGORICAL PROGRAM - Students in the Categorical Special Education Program receive their academic classes within the Categorical classrooms. They receive instruction in the same areas as the general education student but at levels aligned with their abilities. Smaller class sizes allow for individually prescribed goals and objectives and modifications* of the curriculum.

Language Arts	Math	Science
Social Studies	Life Skills	Computers/Careers

***What are accommodations and modifications?**

Accommodations make it possible for the student to succeed within the established curriculum. Based on individual needs, extended time lines, using notes on tests, assistance with chunking of lengthy assignments, having tests orally presented to the student, oral quizzing to check for content understanding and use of a scribe are some examples of accommodations. Accommodations do not alter the curriculum to the point of being different from what is taught and learned by the general population.

Modifications alter the curriculum making it different from what is taught and learned by the general student population. Examples can range from alternative methods of assessment to altering portions of the content in order to make the curriculum more suitable and appropriate for the student. Modifications are substantial changes to the content in order to meet the goals and objectives of the individual student. **Students who receive modifications may or may not receive letter grades. Credit/No Credit or letter grades will be determined as appropriate for the individual student.**

Personal Curriculum Special Education CASD Board of Education Policy

**This policy does not override CASD or
Michigan Merit Curriculum (MMC) Graduation Requirements.**

Credit will be granted for the following courses and a Personal Curriculum is not needed if the Pacing Guide and Course Syllabus are completed as described in A.:

Resource Room English 1 and 2
Resource Room Science Courses
Resource Room Essentials of Chemistry
Resource Room Essentials of Physics
Resource Room World History and Geography
Any Inclusion High School Courses
*Resource Room Math

A. The content expectations to be mastered as well as the percentage of content that students must have to demonstrate mastery will be determined by the Pacing Guides and Course Syllabus for each course. These documents fully establish the timelines and details related to the MMC and its implementation in each of the courses listed above.

B. If the MMC content within the above courses is further modified so that the content is less than what is in the Pacing Guides, a personal curriculum must be created for the student. At least 70% of the content in the Pacing Guides must be mastered for the student to earn credit with a Personal Curriculum.

*All students taking Resource Room Math need a Personal Curriculum.

C. The final grade in the course, which considers performance on the final exam, will be used as the performance parameters to determine whether the student has demonstrated mastery of a sufficient amount of the MMC core content to receive credit.

D. If a student has a Personal Curriculum for a certain course, the trimester exam cut score requirement for that course is a C- or better to show mastery and earn credit in that course.

E. Students that complete CASD, MMC and Personal Curriculum requirements will earn a CASD diploma. These students will also participate in the graduation ceremony as long as all CASD Board requirements related to graduation participation have also been met.

F. Students that have not completed MMC but have reached IEP goals and earned the appropriate number of credits as established by the Michigan Department of Education and CASD policy will earn a Certificate of Completion. These students will also participate in the graduation ceremony as long as all CASD Board requirements related to graduation participation have also been met.

STUDENT ATHLETES

Making Sure You Are Eligible to Participate in College Sports

The NCAA Clearinghouse determines the eligibility of each athlete for Division I & II colleges. You need to know which core courses have been accepted by the NCAA from Grayling High School's curriculum for meeting NCAA requirements. The approved courses are listed below, according to curricular categories.

English

AP Composition & Literature
Creative Writing
Drama
English 9
English 10
English 11
English 11: Novels
English 12
Oral Communications
Persuasive and Research Writing

Natural/Physical Science

Advanced Biology
Advanced Chemistry
AP Biology
AP Chemistry
Biology
Botany
Chemistry
Chemistry Survey
Earth Science
Genetics
Physics
Physiology
Zoology

Mathematics

A.P. Calculus
Algebra 1
Algebra 2
Geometry
Pre-Calculus
Statistics with Problem Solving

Social Science

Abnormal Psychology
A.P. European History
A.P. U.S. History
Civics
Criminal Justice
Current Events
Economics
Psychology
Sociology
U.S. History/Geography
World History/Geography

Additional Core Courses

French 1
French 2
Spanish 1
Spanish 2
Spanish 3
Spanish 4
Spanish 5

* Courses no longer offered but previously approved for credit by NCAA can be found at their website, www.ncaa.org. Click on Clearinghouse for details.

To be certified by the Clearinghouse, you must;

1. Graduate from High School
2. Have successfully completed at least 14 academic courses from the approved courses listed below. Only courses listed as approved can be used to calculate your NCAA GPA. The chart below indicates the number of years of NCAA core courses that must be completed.

	Division I	Division II
English Core	4 years	3 years
Math Core*	3 years*	2 years
Science Core (including at least 1 year of a lab science)	2 years	2 years
Social Science Core	2 years	2 years
From English, Math, or Science	1 year	2 years
Additional Core (English, Math, Science, Social Science, World Language, Philosophy, Non-doctrinal Religion)	4 years	3 years
TOTAL CORE UNITS REQUIRED	16	14

*Note; Division I certification requires 2 years of math, including at least 1 year of algebra and 1 year of a higher level math.

3. Have a core course Grade Point Average and a score on the SAT or ACT based on the qualifier index scale. Details may be found at www.ncaa.org.

THE STUDENT RELEASE FORM

The Student Release Form (available from the athletic director) is critical, and normally should be done following completion of a student's junior year, once an informed judgment has been made as to the prospect's potential at the Division I or II level.

Note: "NCAA Division I - Freshman Eligibility Standards" are available at www.ncaa.org.

For the Class of 2009: Division I – 16 core courses

If you plan to enter college in 2009 or after, you will need to present 16 core courses in the following breakdown: 4 years of English

- 3 years of mathematics (Algebra 1 or higher)
- 2 years of natural/physical science (one must be a lab science)
- 1 year of additional English, math or science
- 2 years of social studies
- 4 years of additional core courses (from any area listed above, or from foreign language, non-doctrinal religion or philosophy)

Division I Grade-Point Average/Test Score Index Changes

This is an abbreviated version of the full scale. It shows the high end, low end, and points in between.

Grade-Point Average	SAT	ACT-sum of scores
3.550	400	37
3.000	620	52
2.750	720	59
2.500	820	68
2.250	920	77
2.00	1010	86

VOCATIONAL/CAREER TECH PROGRAMS

AUTOMOTIVE TECHNOLOGY 1 AND 2
COMPUTER GRAPHICS 1 AND 2
COSMETOLOGY 1 AND 2
EDUCATIONAL OCCUPATIONS 1 AND 2

MEDICAL OCCUPATIONS 1 AND 2
MULTI-TECHNOLOGY 1 AND 2
**PUBLIC SAFETY/
PROTECTIVE SERVICES 1 AND 2**

The vocational/career tech classes offered through C.O.O.R. at Kirtland Community College meet Tuesdays and Thursdays from 1:00 p.m. to 6:00 p.m. Transportation to Kirtland Community College will be provided by the school. **Students are required to take the GHS Kirtland bus to and from the campus.** Students will eat their lunches on the bus enroute to Kirtland. **Students must have their own transportation home from Grayling High School at 6 p.m. when they arrive back from Kirtland. Please read letter on page 41.**

All students applying to the vocational programs must have earned at least ten credits toward graduation. Acceptance to these programs is determined by a Screening Placement Committee. One and one half (1 1/2) credits may be earned each trimester in these programs.

Special Note to Seniors: Please see your counselor for details related to the use of one CTE credit toward the "Senior Math" credit requirement. This option requires counselor approval.

AUTOMOTIVE TECHNOLOGY 1 (1 ½ credits per trimester, full year) **GRADES 11-12**
Entry Recommendations: High school technical/applied math and reading skills

This program is mainly a hands-on course designed to familiarize the student with the automotive unit. The first trimester will concentrate on design, production, operation, testing, servicing, safety practices, basic hand tools, technical reference materials, cooling systems, lubrication systems, charging and starting system parts, and performance of basic service procedures.

Second trimester will provide instruction in automotive brake system theory and service. Technician certification on the state and national levels, general work ethics and employment preparation will also be addressed. Certificate of completion in fundamentals and brakes, and Automotive Service Excellence (ASE) Certification are possible employability outcomes.

Note: COOR Area Career Tech Center students enrolling into Kirtland Community College classes may receive articulated college credit for the successful completion of Automotive Technology I with a letter grade of "B" or better.

AUTOMOTIVE TECHNOLOGY 2 **GRADE 12**
Entry Requirements: Successful completion of Automotive I and instructor's permission

Students interested in a second full year of this CTE course of study may dual-enroll for Kirtland classes that articulate with the course they have just completed. Students will be advised as to which courses to take by their instructors.

COMPUTER GRAPHICS 1 (1 ½ credits per trimester, full year) **GRADES 11-12**
Entry Recommendations: Art, Photography, Computers, Drafting

Digital communication teaches the "industry standard" software program Adobe Photoshop. Students will be able to sample and color correct pictures and create art work in Photoshop. Following the successful completion of this coursework, the student may be able to qualify for Adobe Certified Expert (ACE) Certification.

VOCATIONAL/CAREER TECH PROGRAMS CONTINUED

Note: COOR Area Career Tech Center students enrolling into Kirtland Community College classes may receive articulated college credit for the successful completion of Computer Graphics I with a letter grade of “B” or better.

COMPUTER GRAPHICS 2

GRADE 12

Entry Requirement: Successful completion of Computer Graphics I and Instructor’s Permission

Students interested in a second full year of this CTE course of study may dual-enroll for Kirtland classes that articulate with the course they have just completed. Students will be advised as to which courses to take by their instructors.

COSMETOLOGY 1 (1 ½ credits per trimester, full year)

GRADES 11-12

Entry Recommendations: Biology, business education, chemistry, English, health education, speech

This program demonstrates all aspects an individual would need to pursue a career as a cosmetologist/hairstylist. Practical work includes: shampoos, haircuts, styles, straightening, hair color, permanent waves, manicures, facial treatments, wigs, and hairpieces. Theory will prepare the student for the state board exam and college level cosmetology. Students who successfully complete the course may earn up to 350 hours and may be eligible for articulated college credit. Students will participate in a hair show competition, field trip to a hair show and a spa throughout the year. This program will also offer career exploration and employability skills.

Note: COOR Area Career Tech Center students enrolling into Kirtland Community College classes may receive articulated college credit for the successful completion of Cosmetology I with a letter grade of “B” or better.

COSMETOLOGY 2

GRADE 12

Entry Requirements: Successful completion of Cosmetology I and instructor’s permission

Students interested in a second full year of this CTE course of study may dual-enroll for Kirtland classes that articulate with the course they have just completed. Students will be advised as to which courses to take by their instructors.

EDUCATIONAL OCCUPATIONS 1 (1 ½ credits per trimester, full year)

GRADES 11-12

Students will learn to meet specific needs of children and work with teachers and other professionals on how to nurture children’s physical, social, emotional and intellectual growth. Students will learn strategies and teaching techniques through service learning and work-site visitations throughout the year. The portfolio components necessary to obtain a Child Development Associate (CDA) will be developed and documented. A CDA is an individual who has successfully completed a portfolio and assessment and has been awarded the CDA credential.

Note: COOR Area Career Tech Center students enrolling into Kirtland Community College classes may receive articulated college credit for the successful completion of Educational Occupations I with a letter grade of “B” or better.

VOCATIONAL/CAREER TECH PROGRAMS CONTINUED

EDUCATIONAL OCCUPATIONS 2

GRADES 12

Entry Requirements: Successful completion of Educational Occupations I and instructor's permission

Students interested in a second full year of this CTE course of study may dual-enroll for Kirtland classes that articulate with the course they have just completed. Students will be advised as to which courses to take by their instructors.

MEDICAL OCCUPATIONS 1 (1 ½ credits per trimester, full year)

GRADES 11-12

Entry Recommendations: Chemistry, biology, general science, math, writing, spelling and reading skills

Special Conditions: Must have Hepatitis B vaccine, TB test and physical before 2nd trimester

Students will learn necessary skills that care providers must have to work in any department within the medical occupations, including: medical ethics and law, effective communications, medical terminology, medical related math, anatomy & physiology, CPR and 1st Aid Certification, infection control, workplace safety, employability and leadership skills. Opportunities will be available for students to participate in career exploration at a variety of worksites provided by our health care partners. Multi-disciplinary tasks and skills will be practiced and demonstrated by each student with special emphasis in their chosen health field. Students will develop a portfolio to showcase their vocational experience.

Note: COOR Area Career Tech Center students enrolling into Kirtland Community College classes may receive articulated college credit for the successful completion of Medical Occupations I with a letter grade of "B" or better.

MEDICAL OCCUPATIONS 2

GRADES 12

Entry Requirements: Successful completion of Health Occupations I and instructor's permission

Students interested in a second full year of this CTE course of study may dual-enroll for Kirtland classes that articulate with the course they have just completed. Students will be advised as to which courses to take by their instructors.

MULTI-TECHNOLOGY 1 (1 ½ credits per trimester, full year)

GRADES 11-12

Entry Recommendations: Career interest, high school technical/applied math and reading skills, strong spatial perception ability

This course is a collage of programs including welding, machining, and computer-aided drafting. After completing this course a student will have a diversity of entry-level industrial arts employment skills. Students may participate in a field trip to the International Welding Show. Students may be eligible to receive a certificate of completion in multi-technology. Students may choose to participate in the American Welding Society National Institute of Metal Working Skills certification testing.

Note: COOR Area Career Tech Center students enrolling into Kirtland Community College classes may receive articulated college credit for the successful completion of Multi Technology I with a letter grade of "B" or better.

VOCATIONAL/CAREER TECH PROGRAMS CONTINUED

MULTI-TECHNOLOGY 2

GRADES 12

Entry Requirements: Successful completion of Multi-Technology I and instructor's permission

Students interested in a second full year of this CTE course of study may dual-enroll for Kirtland classes that articulate with the course they have just completed. Students will be advised as to which courses to take by their instructors.

PUBLIC SAFETY/PROTECTIVE SERVICES 1

GRADES 11-12

(1 ½ credits per trimester, full year)

Entry Recommendations: Government, sociology, first aid, physical education, English, speech, and psychology

Special Conditions: Passed sports physical

This course introduces students to careers in Law Enforcement, Corrections, Fire Service, Private Security and Emergency Medical Services. Classroom work, physical training, mentoring, and hands on experience are all components of the course. Students are exposed to an extensive review of the current theories in criminal justice, protective services and fire/emergency medical services.

Note: COOR Area Career Tech Career Center students enrolling into Kirtland Community College classes may receive articulated college credit for the successful completion of Public Safety/Protective Service I with a letter grade of "B" or better.

PUBLIC SAFETY/PROTECTIVE SERVICES 2

GRADES 12

Entry Requirements: Successful completion of Public Safety/Protective Services I and instructor's permission

Students interested in a second full year of this CTE course of study may dual-enroll for Kirtland classes that articulate with the course they have just completed. Students will be advised as to which courses to take by their instructors.

GRAYLING HIGH SCHOOL

K. Doniel Pummell
Principal

Crawford AuSable School District
1135 North Old US-27
Grayling, MI 49738
Phone (989) 344-3508
Fax (989) 348-7799

Donna Boughner
Dean of Students

Dear Career Tech Student and Parent/Guardian,

As a career tech or dual-enrolled student, it is important that you are aware of the career tech attendance policy. **Career tech classes** require that students attend Tuesdays and Thursdays. If Grayling High School has a scheduled half day due to parent teacher conferences or professional development, career tech students are still expected to attend their classes at Kirtland. However, if GHS students are scheduled to have a whole day off for professional development, holiday, break or vacation, students do not have to attend career tech classes. In the event of a snow day or unexpected school closure, students will not be required to be at Kirtland.

The attendance expectations for the handful of students that are **dual-enrolled** in classes not available at GHS are different. With the exception of snow days, dual enrolled students are to attend class whether GHS is in session or not. This includes spring break. These are college-level classes and students are earning college credits at the district's expense. It is expected that they will treat these classes as such and put in the time necessary to be successful.

All career tech students are required to ride the bus to and from Kirtland every day. If a student has a good reason to drive such as medical appointments, family commitments, athletics or work schedules, he or she must get a driving pass from the GHS main office at least one day in advance. Special Note: It is against CASD school board policy for GHS students to transport other students to Kirtland. Students that violate any driving rules will be dropped from the program and may risk having a full schedule of classes at GHS. This letter is their written warning.

Career and technical education students will take three GHS classes each trimester. This will be helpful for many as students work towards graduation credit requirements. Third hour ends with B lunch at 11:54. Therefore on CTE days, some students will eat lunch on the bus which leaves at noon.

Students who enroll in career tech classes do so knowing that they will miss some "special events" such as assemblies. These events are not a valid reason to miss Kirtland classes.

We are fortunate to be able to offer these classes to our students through the COOR Area Career Tech Center and Kirtland Community College. Grayling High School pays a tuition fee to the ISD for each enrolled student; however, the money is well spent when students take advantage of this opportunity. If you have any questions regarding attendance of these programs, please feel free to contact me at 344-3532, or Student Manager, Donna Boughner at 344-3502.

Sincerely,

K. Doniel Pummell
Principal

DUAL ENROLLMENT

Dear Student:

In an effort to meet students' needs and interests, school districts have allowed their students to attend courses at local colleges or universities, in addition to their own high school. This is called "dual enrollment."

A new law, Public Act 258 of 2000, created the Career and Technical Preparation Post-secondary Options Act. This Act took effect April 1, 2001, and will be administered by the Michigan Department of Career Development. The Act directs school districts to assist students in paying tuition and fees for courses at Michigan public or private colleges or universities if all of the following conditions are met:

1. Students are in grade 11 or grade 12.
2. Students can qualify for dual enrollment by taking one of the following assessments: PSAT, ACTPLAN, ACT, or MME. The following table shows the complete list of scores that qualify students for dual enrollment:

Assessment	Test Section	Content Area	Minimum Dual Enrollment Qualifying Score
PSAT	Critical Reading	Reading	44
	Writing Skills	Writing	49
	Mathematics	Mathematics	45
PLAN	Mathematics	Mathematics	18
	Reading	Reading	17
	Science	Science	19
	English	English	21
ACT	Mathematics	Mathematics	18
	Reading	Reading	17
	Science	Science	19
	English	English	21
MME	Reading	Reading	1100
	Writing	Writing	1100
	Mathematics	Mathematics	1100
	Science	Science	1100
	Social Studies	Social Studies	1100

Additionally, according to P.A. 160, eligible students may take courses for which there are no endorsements, such as computer science, foreign language, history, political science, or psychology, as long as they have taken all sections of the MME, ACTPL-AN, ACT or College Board PSAT. State endorsement is not required in any specific area for this participation.

3. Students must be enrolled in both the school district and post-secondary institution during the local school district's regular academic year and must be enrolled in at least one high school class.
4. The college courses must not be offered by the district. An exception to this could occur if the school determines that a scheduling conflict exists, which is beyond the student's control.
5. The college courses cannot be hobby craft, recreation courses, or in the subject areas of physical education, theology, divinity, or religious education.
6. Tuition and Fees -
 - The Crawford AuSable School District pays for tuition and registration fees only.
 - **All materials, including textbooks, are to be purchased by the students.** If the students' classes match the C.T.E. schedule, he or she may ride the C.T.E. bus. The district is not responsible for any expenses related to transportation, parking, or activity fees.
 - **If a student fails a course or drops a course beyond the time during which the post-secondary institution will refund the school district, the student is responsible for repaying the school district for the course.** If a student fails to repay the school district, the district may apply penalties as prescribed by local district policy. A student who fails to complete a course due to a family or medical emergency is exempt from the repayment requirement.
7. Credit - Eligible students are allowed to choose whether credit earned at a career and technical preparation course will apply to high school or the post-secondary institution or both. The amount of high school credit is determined by the school district and shall be counted toward graduation requirements.

Please review the contents of this letter with your parents. If you believe you are eligible for dual enrollment that you qualify for tuition and fee support, and you wish to participate, contact your counselor: Jennie Walker (A-L) or Lynn Thompson (M-Z).

Sincerely,

K. Doniel Pummell, Principal
Grayling High School