

Montrose High School

Registration Guide 2010-2011



**2010-2011
REGISTRATION GUIDE
for
Students and Parents**

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Montrose High School Registration Guide and Course Description Bulletin

We hope that this guide will help you and your parents plan your school program while you are a student at Montrose High School. At least annually during your high school career, you should review your educational and vocational goals with your counselor and thoughtfully develop a program of study that will help you achieve these goals.

Graduation requirements are designed to give you a balanced program which will help you develop the skills and understanding necessary to becoming a well educated and contributing member of society. To round out your course of study, a range of electives is available. These, if wisely selected, will help you to explore and develop your own talents and interests.

ALTHOUGH YOUR COUNSELOR, ADVISOR AND PARENTS CAN HELP YOU IN PLANNING YOUR HIGH SCHOOL PROGRAM AND MONITORING YOUR CREDIT STANDING, THE RESPONSIBILITY FOR THIS ULTIMATELY RESTS WITH YOU.

You should consider the following:

1. All 9th and 10th grade students must carry a complete regular-day schedule (periods 1-7) each semester, even when students choose a zero period class. Junior and Senior students must carry a 7 period schedule each semester unless they meet the following criteria and are approved by their counselor and parent for an Academic Prep: 1) adequate progress towards graduation and 2) minimum cumulative GPA of 2.0. Senior students who meet the above criteria may have more than 1 Academic Prep during Spring semester. Seniors are advised to double check their graduation status and to check NCAA and college admission requirements before applying for more than 1 Academic Prep. All students requesting Academic Preps must obtain parent permission and a counselor's signature on their course selection forms.
2. **Know what the graduation requirements are.** Are you meeting these in your planning and achievement?
3. **Know about college entrance, NCAA, and vocational entrance requirements.**
4. If in doubt about credits for graduation or college entrance, see your counselor.
5. Remember that your class standing is based upon your accumulated credits and this may limit course opportunities if you are behind.
6. Plan ahead – not just for next year, but for your entire high school career and beyond.
7. Before requesting a course, check its description in this catalog to be sure it fits your needs, interests, and abilities – and that you have completed the prerequisite course work necessary for enrollment.
8. A student may substitute a FULL YEAR of "Introduction to Naval Science", taken in the 9th grade, for one credit of Physical Education.
9. If you repeat a course you have previously failed, the original grade of F will be replaced with an "NC" upon successful completion of the course. If you repeat a course you have previously passed, you may choose to have the previous grade replaced with "NC" or you may choose to keep the previous grade for elective credit only. See your counselor prior to registration for permission to count both grades.
10. Some courses require teacher approval and/or an application prior to enrollment – read course descriptions carefully and meet all deadlines.
11. All tutor/mentor, teacher, and office assistantships require teacher or supervisor approval.
12. Our most demanding courses are graded on a 5.0 "weighted" scale. Valedictorian candidates must take at least 13 semesters of weighted courses and earn only straight "A" grades in all 9th – 12th grade courses (weighted and un-weighted).
13. Early graduation is open for petition to any student who fulfills graduation requirements by the end of first semester of their senior year. Preference is given to those students who demonstrated Proficiency on all grade 10 CSAP tests or scored a composite of 20 or higher on the State ACT given in the junior year. Petitions are due no later than December 1st.
14. Pre-registration is only an indication by the student of his/her desire to take specific classes. While every effort is made to meet the school-wide demand, some classes may not be available at registration time in August due to budget, staff, or facility limitations. **Students should have alternative classes in mind and request these as alternates during pre-registration.**
15. Once a semester starts, schedule changes will only be made for errors or placement recommendations from staff. Students who drop an appropriately scheduled course after the start of a semester may receive a "WF" that will become part of the student's permanent transcript and negatively impact the cumulative grade point average.

In this bulletin you will find a four-year planning form which will help in preparing your course of study.

Montrose County School District RE-1J requires 24 credits to graduate from district high schools (beginning with the class of 2012 and later). These 24 credits must include 4 credits of English, 3 credits of Social Studies, 3 credits of Math, 3 credits of Science, 2 credits of P.E./Health, .5 credit of Fine/Performing Arts, .5 credit of Technology, and 8 credits of electives. Students are also required to complete 15 hours of approved Community Service.

(These graduation requirements are pending school board approval).

Montrose High School
Requirements for Graduation
Class of 2012 and Later
*****(Pending School Board Approval)*****

1. High school is considered as a four year course of study. Therefore, graduation requirements will be based upon units of credit earned in grades 9, 10, 11, and 12.
2. A minimum of twenty-four (24) units of credit must be earned in grades 9, 10, 11, and 12 in order to meet graduation requirements. **In addition, 15 hours of approved Community Service must be completed.** Specific credit requirements are listed below. The remaining necessary units of credit will be considered as electives and may be selected from any appropriate courses in the bulletin.

English: 4 units of credit.
 English 9, 10, and 11 are required in grades 9, 10, and 11.
 The remaining 1.0 unit may be earned by successfully completing any other English courses.

Social Studies: 3 units of credit.
 1 unit in American History required between grades 9 and 12.
 ½ unit in Geography required in grade 9.
 ½ unit of American Government in grade 12 is required.
 1 unit of any other social studies courses.

Mathematics: 3 units of credit.
 1 unit in Algebra 1 or higher math required in grade 9*.
 1 unit in Geometry or higher math required in grade 10*.
 1 unit of Extra Dept. Courses after completion of the first two units*.

Science: 3 units of credit.
 1 unit of Geophysical Science in grade 9.
 1 unit of Biology in grade 10.
 1 unit of Extra Dept. Courses after completion of the first two units*.

Physical Education: 1½ units of credit between grades 9 and 12.

Health: ½ unit in grade 9.

Fine/Performing Arts: ½ unit between grades 9 and 12

Technology: ½ unit between grades 9 and 12

Minimum Total of Specific Units of Credit Required:	16.0
Minimum Total of Elective Units of Credit Required:	8.0
Minimum Total Units of Credit Required for Graduation:	24.0

*Some alternative courses may be used by students with teacher recommendation.

Note: A unit of academic credit, often referred to as a Carnegie unit, is equivalent to two semesters of credit in a specific subject.

Montrose High School Requirements for Graduation Ending With the Graduating Class of 2011

1. High school is considered as a four year course of study. Therefore, graduation requirements will be based upon units of credit earned in grades 9, 10, 11, and 12.
2. A minimum of twenty-five (25) units of credit must be earned in grades 9, 10, 11, and 12 in order to meet graduation requirements. Specific credit requirements are listed below. The remaining necessary units of credit will be considered as electives and may be selected from any appropriate courses in the bulletin.

English: 3 units of credit.
English 9, 10, and 11 are required in grades 9, 10, and 11.

Speech: ½ unit of credit in Oral Communication may be taken any year between 9 and 12.

Social Studies: 3 ½ units of credit.
1 unit in American History required between grades 9 and 12.
½ unit in Geography required in grade 9.
½ unit of American Government in grade 12 is required.
1 ½ units of any other social studies courses.

Mathematics: 2 units of credit.
1 unit in Algebra 1 or higher math required in grade 9*.
1 unit in Geometry or higher math required in grade 10*.

Science: 2 units of credit.
1 unit of Geophysical Science in grade 9.
1 unit of Biology in grade 10.

Physical Education: 2 units of credit.
1 unit of credit in grade 9.
1 unit of credit between grades 10 and 12.

Health: ½ unit in grade 9.

Minimum Total of Specific Units of Credit Required:	13.5
Minimum Total of Elective Units of Credit Required:	11.5
Minimum Total Units of Credit Required for Graduation:	25.0

*Some alternative courses may be used by students with special needs, based upon teacher recommendation.

Note: A unit of academic credit, often referred to as a Carnegie unit, is equivalent to two semesters of credit in a specific subject.

Colorado Higher Education Admission Requirements Beginning With the Class of 2010

The Colorado Commission of Higher Education (CCHE) has created a **Pre-collegiate Curriculum** for the graduating class of 2010 and beyond. To gain admission to any four-year public institution in Colorado, students graduating in 2010 or later must demonstrate successful completion of the following coursework:

English	4 Credits
Math (Algebra 1 and higher)	4 Credits
Natural Sciences (2 credits must be lab-based)	3 Credits
Social Sciences (at least 1 credit of U.S. or world history)	3 Credits
Foreign Language (must be the same language)	1 Credit
Academic Electives (see note below)	2 Credits

Note 1: A unit of academic credit, often referred to as a Carnegie unit, is equivalent to two semesters of credit in a specific subject.

Note 2: For examples of acceptable pre-collegiate courses, academic electives, and answers to frequently asked questions, go to www.state.co.us/cche/academic/admissions/html. Click on "pre-collegiate course completion requirement" then click on "Guide to Courses". You can check to see if your courses meet the requirement by clicking on "College Entry Level Expectations". This will connect you with the CCHE policies.

Note 3: It is important to know that admissions officers will continue to give preference to students who have demonstrated competence in a rigorous course of study over students who attain a good grade point average by taking less demanding courses.

Note 4: These requirements may vary slightly from MHS graduation requirements.

What Are Colleges Looking For?

Each year, the National Association for College Admission Counseling (NACAC) surveys colleges and universities to determine the top factors influencing admission decisions. According to the 2006 "State of College Admission Report," the following factors, in order of importance, were:

1. Grades in college prep courses
2. Standardized admission test results (ACT and/or SAT)
3. Grades in all courses
4. Class rank
5. Personal essay or writing sample
6. Counselor recommendation
7. Teacher recommendation
8. Interview
9. Work/Volunteer/Extracurricular Activities
10. Demonstrated interest

With these factors in-mind, here are ways to prepare for the college application process:

Academics:

- **Choose a rigorous course load.** Seek out courses that are challenging. Colleges would rather see a lower grade in a more challenging course than the easy "A". Remember, though, that the best scenario is good grades in challenging classes.
- **Make sure your courses are appropriate and in logical progression.** Meet with your counselor to ensure you are on the right track.
- **Colleges strongly recommend that students enroll in at least four core classes (English, social studies, math, science, foreign language) in every semester of their high school career.**
- **Get to know your counselor and teachers on a more individual basis. These are the people who will be writing your recommendations.**
- **Keep a portfolio of your best work.** Colleges may offer you a chance to submit supplementary material that demonstrates your achievements.
- **Establish good study habits.** Grades in the academic core areas (English, math, science, social studies and foreign language) are the best predictors of success at a four-year college.
- **Read!** Studies have shown that one of the best preparations for college admission tests (SAT and ACT) is to read as much as possible.

Extracurricular:

- **Find activities, both in and out of school, that you enjoy and that provide an outlet for your non-academic side.**
- **Go for quality rather than quantity.** Colleges admire students who put significant effort into one or two activities rather than students who put little time into many activities.

Information for Prospective College Athletes On NCAA Clearinghouse Requirements

Students who wish to participate in collegiate athletics at the Division I or II level must apply for certification with the National Collegiate Athletic Association (NCAA) Eligibility Clearinghouse after their junior year in high school. Students can access the application through the Guidance Page on the MHS website by clicking on the NCAA Eligibility link.

To Be Certified by the NCAA Eligibility Clearinghouse, you must:

- 1. Graduate from High School.**
You should apply for certification after your junior year if you are sure you wish to participate in intercollegiate athletics as a freshman at a Division I or II institution. The Eligibility Clearinghouse will issue a preliminary certification report after you have had all your materials submitted. After you graduate, if your eligibility status is requested by a member institution, the Clearinghouse will review your final transcript to make a final certification decision according to NCAA standards.
- 2. Complete the 16 Core courses listed in the chart below.**
- 3. Earn a minimum required grade point average in your core classes.** Only courses that are on the Montrose High School's "List of NCAA Approved Courses" can be used to calculate your NCAA gpa. No special values are allowed for "+" or "-" grades.
- 4. For Division I, earn a combined SAT or ACT subtest sum score and a minimum core course grade point average. Each value can vary but are interdependent. The higher the grade point average, the lower the SAT or ACT subtest sum score can be, and vice versa. For Division II, there is a minimum grade point average of 2.0 as well as an SAT combined score minimum of 820 or ACT sum score of 68. SAT or ACT scores must be reported directly to the Clearinghouse from the testing agency.**

Core Units Required for NCAA Certification	Division I	Division II
English Core	4 years	3 years
Mathematics Core (Algebra 1 or higher)	3 years	2 years
Science Core (including at least one lab)	2 years	2 years
Social Science Core	2 years	2 years
Additional English, Math, or Science	1 year	2 years
Additional Core (from any area above or foreign language, Non-doctrinal religion/philosophy, computer science)	4 years	3 years
TOTAL CORE UNITS REQUIRED	16	14

List of Montrose High School's NCAA Approved Core Courses

The NCAA Eligibility Clearinghouse has approved courses for use in establishing the certification status of student-athletes from Montrose High School. If you intend to participate in college athletics at the Division I or II level, please check with your counselor if you have any questions. Remember that MHS graduation requirements are slightly different, and be sure you are planning to meet these requirements as well.

To access Montrose High's List of Approved Core Courses:

- Go to www.ncaaclearinghouse.net
- Click on "General Information"
- Click on "List of Approved Core Courses" on the left-hand side
- Enter our high school code of 061035 in the box and click "Submit"
- Click on the "All Subject Areas" box and click "Continue"
- You now have the most up-to-date list of our Approved Core Courses

Be aware that not all MHS courses are approved by the NCAA Clearinghouse.

We strongly encourage student-athletes and their parents to consult the list of Approved Core Courses early in their academic planning to ensure that approved courses are selected in sufficient quantity to meet the eligibility requirements. For complete information, follow the link "NCAA Eligibility" from the Guidance Office page <http://www.mcsd.org/schools/mhs/sb/guidance/MHSGuidanceHomePage.htm>.

Montrose High School
 Four Year Academic Plan
 (Beginning with class of 2012)

<u>Course</u>	<u>Grad. Req.</u>	<u>College Prep</u>	<u>Course</u>	<u>Grad. Req.</u>	<u>College Prep</u>
English	4	4	Foreign Lang.	0	2-3 (<i>same lang</i>)
Math	3	4	Computers	.5	.5
Science	3	3-4	Fine Arts	.5	1 (<i>same fine art</i>)
Social Studies	2.5	2.5 (<i>1 yr Am. or Wrld</i>)	Health	.5	
Government	.5	.5	P.E.	1.5	
			Electives	varies	varies

9th Grade

<u>English</u>	<u>English</u>
<u>Math</u>	<u>Math</u>
<u>Middle Am. Hist.</u>	<u>World Geography</u>
<u>Geo-Physical Sci</u>	<u>Geo-Physical Sci</u>
<u>PE</u>	<u>Health</u>
0 per _____	0 per _____
alternate _____	alternate _____
alternate _____	alternate _____

10th Grade

<u>English</u>	<u>English</u>
<u>Math</u>	<u>Math</u>
<u>Biology</u>	<u>Biology</u>
<u>Mod Am Hist</u>	<u>Wld Hist elect (recommended)</u>
0 per _____	0 per _____
alternate _____	alternate _____
alternate _____	alternate _____

11th Grade

<u>English</u>	<u>English</u>
<u>Math</u>	<u>Math</u>
<u>Science</u>	<u>Science</u>
0 per _____	0 per _____
alternate _____	alternate _____
alternate _____	alternate _____

12th Grade

<u>English</u>	<u>English</u>
<u>Am. Government</u>	
0 per _____	0 per _____
alternate _____	alternate _____
alternate _____	alternate _____

Advanced Placement Courses

Montrose High School participates in the College Board's national Advanced Placement (AP) Program. The courses taught at MHS are: English Literature and Composition, United States History, Statistics, Calculus AB, Calculus BC, Biology, Chemistry, French Language, German Language, and Spanish Language.

AP courses are regarded as roughly equivalent to introductory college courses. It is possible for highly motivated and high-achieving students to complete certain college requirements while still in high school. AP courses are year-long and culminate in a national examination. Students must take these exams in order to be considered for college-level credit. Be sure to check with prospective colleges regarding their AP Credit policy as not all colleges have the same policy in this area.

Additional advanced courses that are not part of the AP program taught at MHS are American Writers, Humanities, Philosophy, Saxon Physics, and Trigonometry/Pre-calculus.

Post-Secondary Enrollment Opportunities

The State of Colorado provides education opportunities for students who have met high school standards and want to begin college early as a way of promoting content standards, providing academic challenges, and providing access to courses that may not be available at local high schools. All of Colorado's public four-year and two-year colleges, four area vocational schools, and three private colleges participate in the following dual enrollment programs:

- High School juniors and seniors who have taken all MHS courses in a particular subject area and desire to continue at the college or technical school level may be able to do so under the Dual Enrollment **Concurrent Enrollment** program. The school district reimburses students for the tuition they have paid if they pass their course(s) with a grade of "C" or better, with a two-course limit per semester. No summer courses are allowed.
- High school seniors who have completed their graduation requirements early may be able to begin taking college courses full-time under the **Fast Track** Dual Enrollment program. The school district pays the tuition at the time the student registers, while books and fees are the responsibility of the student. Failure to successfully complete any classes requires the student to reimburse the school district for the associated tuition.
- Delta-Montrose Technical College and Montrose County School District have an agreement that allows qualified seniors at MHS to participate in the Med-Prep, Cosmetology, Computer Networking and Repair, and other programs, as appropriate. The school district pays the tuition at the time the student registers, while books, kits, and fees are the responsibility of the student. Failure to successfully complete any first or second semester DMTC classes requires the student to reimburse the school district for the associated tuition.

To qualify for a Post-Secondary Enrollment program, students must have a 3.0 or higher cumulative grade point average, a minimum score of 19 for four year campuses or 17 for two-year or vocational campuses in the ACT English, Math, and Reading subtests, and have earned grades of "B" or higher in all previous courses in the subject areas the student is planning to take course work in.

All interested students are required to work closely with their counselor from the beginning of their high school career to construct a four-year schedule projection oriented around their plan to participate in a Post-Secondary Enrollment program. Deadlines for completion of all required paperwork are two months prior to the end of the preceding semester.

SUMMARY of COURSES AVAILABLE at MHS

(t/a) indicates courses that require students to obtain teacher approval in order to enroll

COURSE NAME	COURSE NUMBER(S):	NOTES:	OPEN TO:	COURSE LENGTH/CREDIT
LANGUAGE ARTS				
English 9	001022 & 001023		9	year/1
Adv. English 9 (t/a)	001007 & 001008	application only	9	year/1
English 10	001001 & 001002		10	year/1
Adv. English 10 (t/a)	001003 & 001004	application only	10	year/1
English 11	001050 & 001051		11	year/1
American Writers	001035 & 001040	Weighted class	11	year/1
English 12	001030 & 001031		12	year/1
AP English Literature & Comp.	001090 & 001091	Weighted class	12	year/1
Academic Literacy	004360	Teacher rec. or space available	9-10	sem/.5
Creative Writing I	001060		9-12	sem/.5
Creative Writing II	001061		9-12	sem/.5
Oral Communications	001045		9-12	sem/.5
Adv. Communications	001046		10-12	sem/.5
Short Story	001020		11-12	sem/.5
Beginning Journalism	001070		9-12	sem/.5
Philosophy	001343	Weighted class	11-12	sem/.5
MATH				
Success Math (t/a)		MHS teacher placement only	10-12	year/1
Algebra I	001155 & 001156		9-12	year/1
Geometry	001117 & 001118		9-12	year/1
Advanced Geometry (t/a)	001101 & 001102	application/recommendation	9-10	year/1
*Financial Principles	001935		9-12	sem/.5
*Accounting I	001945		11-12	sem/.5
Algebra II	001123 & 001124		9-12	year/1
Advanced Algebra II (t/a)	001104 & 001105	application/recommendation	9-11	year/1
College Algebra Prep	001128 & 001129		10-12	year/1
AP Statistics	001145 & 001146	Weighted class	11-12	year/1
Trigonometry/Pre-Calculus	001130 & 001131	Weighted class	11-12	year/1
AP Calculus AB	001136 & 001137	Weighted class	11-12	year/1
AP Calculus BC	001138 & 001139	Weighted class	11-12	year/1
*This course meets high school grad requirements, but NOT college entrance math requirements				
SCIENCE				
Geo-Physical Science	001240 & 001241		9	year/1
Biology	001215 & 001216		10	year/1
*Natural Resources & Wildlife Mgmt.	001640 & 001641	Even Years Only	11-12	year/1
*Animal Science	001610 & 001611		11-12	year/1
*Plant Science	001610 & 001611	Odd Years Only	11-12	year/1
Chemistry	001225 & 001226		10-12	year/1
Advanced Chemistry	001245 & 001246		10-12	year/1
Geology	001205		11-12	sem/.5
Astronomy	001206		11-12	sem/.5
*Nautical Science	001260 & 001261		11-12	year/1
Conceptual Physics	001235 & 001236		11-12	year/1
Saxon Physics	001230 & 001231	Weighted class	12	year/1
AP Biology (t/a)	001210 & 001211	Weighted class	11-12	year/1
AP Chemistry (t/a)	001222 & 001223	Weighted class	11-12	year/1
*Auto I plus Auto II	001801/02 & 001830/31		11-12	2 years
*NOT a lab science elective				
HISTORY & SOCIAL STUDIES				
Middle American History	001310		9	sem/.5
World Geography	001373		9	sem/.5
Modern American History	001300		10-12	sem/.5
Ancient World History	001320		10-12	sem/.5
Modern World History	001325		10-12	sem/.5
Contemporary Issues	001380		11-12	sem/.5
Economics	001915		11-12	sem/.5
Psychology	001335		11-12	sem/.5
Street Law I	001350		11-12	sem/.5
Street Law II	001351		11-12	sem/.5
History of World War II	001355	Odd Years Only	11-12	sem/.5
Humanities	001346	Weighted class	11-12	sem/.5
AP United States History	001377 & 001378	Weighted class	11-12	year/1
American Government	001365		12	sem/.5

COURSE NAME	COURSE NUMBER(S):	NOTES:	OPEN TO:	COURSE LENGTH/CREDIT
HEALTH & PHYSICAL EDUCATION				
Health & Wellness	001460		9	sem/.5
Personal Fitness	001412 or 001413		9-12	sem or year/.5 or 1
Recreation Sports	001422 or 001423		9-12	sem or year/.5 or 1
Team Sports I	001440 or 001441		9-12	sem or year/.5 or 1
Team Sports II	001442 or 001443		9-12	sem or year/.5 or 1
Beginning Weights	001417 or 001418		9-12	sem or year/.5 or 1
Advanced Weights	001452 or 001453		9-12	sem or year/.5 or 1
Men's Athl. Strength/Cond	001492 or 001493		9(2 nd sem)-12	sem or year/.5 or 1
Women's Athl. Strength/Cond	001490 or 001491		9(2 nd sem)-12	sem or year/.5 or 1
Weights and Wall	001450 or 001451		11-12	sem or year/.5 or 1
AGRICULTURAL EDUCATION				
Agricultural Education I	001625 & 001626		9-12	year/1
Agricultural Education II	001607 & 001608		10-12	year/1
Natural Resources & Wildlife Mgmt.	001640 & 001641	Even Years Only	11-12	year/1
Agricultural Business	001601 & 001602		11-12	year/1
Agricultural Mechanics	001630 & 001631		11-12	year/1
Animal Science	001610 & 001611		11-12	year/1
Plant Science	001610 & 001611	Odd Years Only	11-12	year/1
AUTOMOTIVE MECHANICS				
Basic Car Ownership	001850		10-12	sem/.5
Vocational Auto Mechanics I (t/a)	001801 & 001802	4 periods	11-12	year/2
Vocational Auto Mechanics II (t/a)	001830 & 001831	4 periods	12	year/2
Auto – On the Job Training (t/a)	001840 or 001841		12	sem or year/.5 or 1
Auto – Independent Study (t/a)	003530 or 003531		12	sem or year/.5 or 1
Auto- Mechanics Assistant (t/a)	002740 or 002741		12	sem or year/.5 or 1
BUSINESS				
Financial Principles	001935		9-12	sem/.5
Business Management	001936		10-12	sem/.5
Office Management	001980	Odd Years Only	10-12	1 st sem or year/.5 or 1
Economics	001915		11-12	sem/.5
Accounting I	001945 or 001946		11-12	1 st sem or year/.5 or 1
Ind. Study Accounting II (t/a)	003554		12	1 st sem or year/.5 or 1
CAREER OPPORTUNITIES: SEMINARS, DMTC, COLLEGE, OTHER				
Senior Seminar	004330 (12 th) or 004335 (11 th)		11-12	sem/.5
Athletic Training I (t/a)	001250 & 001251		11-12	sem or year/.5 or 1
Athletic Training II (t/a)	001252 & 001253		11-12	sem or year/.5 or 1
COS Career Internship (t/a)	004300 or 004305	Application 2 periods	11-12	sem or year/variable
COS, Work for Credit(t/a)	003050 or 003051	Application	11-12	sem or year/variable
COS, Help Educate Little People	004300 or 004305	Application 2 periods	11-12	sem or year/.5 or 1
COS, Buddy UP	004300 or 004305	Application 2 periods	11-12	sem or year/.5 or 1
MHS Subject Area Tutor/Mentor		Counselor permission	11-12	sem/.5
Adapted PE Aide (t/a)	002735 or 002736		11-12	sem or year/none
Teacher Aide (t/a)	002700 or 002701		11-12	sem/none
Student Librarian (t/a)	002730 or 002731		10-12	sem/none
Main Office Student Clerk (t/a)	002720 or 002721		11-12	sem/none
Guidance Office Student Clerk (t/a)	002722 or 002723		11-12	sem/none
Cosmetology (DMTC)		Application, 8 periods	12	year/4
Medical Prep (DMTC)		Application, 8 periods	12	year/4
Computer Service & Networking (DMTC)		Application, 4 periods	12	year/2
Other (DMTC)		Application	12	sem or year/variable
Dual Enrollment (Mesa State/DMTC)		Counselor approval	12	sem/.5
Student Leadership (t/a)	003005 & 003006	application only	9-12	year/1
Driver Education (t/a)	NOT REQUESTABLE ON FORM!		9-12	sem/.5

COURSE NAME	COURSE NUMBER(S):	NOTES:	OPEN TO:	COURSE LENGTH/CREDIT
COMPUTERS				
Computer Applications	002605		9-12	sem/.5
Graphic Design	002661		9-12	sem/.5
Advanced Computer Design (t/a)	002620 & 002621		10-12	sem or year/.5 or 1
Digital Photography (t/a)	003520 & 003521		10-12	sem or year/.5 or 1
Visual Basic Programming	002640	Odd Years	9-12	sem/.5
Web Design	002662	Even Years	10-12	sem/.5
Advanced Computer Programming (t/a)	002630 & 002631		10-12	sem or year/.5 or 1

ENGINEERING, ARCHITECTURE & BUILDING TRADES

Intro to Engineering Design	002365 & 002366	priority to grade 9	9-12	year/1
Principles of Engineering (t/a)	002360 & 002361	priority to grade 10	10-12	year/1
Civil Engineering & Architecture	002368 & 002369		11-12	year/1
Computer Assisted Drafting	002350		10-12	sem/.5
Woodworking I	002304		9-12	sem/.5
Woodworking II	002305		10-12	sem/.5

FAMILY AND CONSUMER SCIENCE

Child Dev. & Parenting	002120		9-12	sem/.5
Family Matters	002130		9-12	sem/.5
Foods & Nutrition	002105		9-12	sem/.5
Living on your Own	002141		10-12	sem/.5

FOREIGN LANGUAGES

French I	001520 & 001521		9-12	year/1
French II	001525 & 001526		10-12	year/1
French III	001530 & 001531		11-12	year/1
AP French Language	001535 & 001536	weighted class	12	year/1
German I	001500 & 001503		9-12	year/1
German II	001501 & 001504		10-12	year/1
German III	001502 & 001505		11-12	year/1
AP German Language	001506 & 001507	weighted class	12	year/1
Spanish I	001510 & 001513		9-12	year/1
Spanish II	001511 & 001514		10-12	year/1
Spanish III	001512 & 001515		11-12	year/1
AP Spanish Language	001516 & 001519	weighted class	12	year/1
Spanish for Native Speakers	001555 & 001556		9-12	year/1
La Vida Chicana	001560		9-12	sem/.5

JOURNALISM/MASS MEDIA

Beginning Journalism	001070		9-12	sem/.5
Advanced Journalism (t/a)	002656 or 002657		10-12	sem or year/.5 or 1
Annual Staff (t/a)	001077 & 001078		11-12	year/1
MHS Press (t/a)	001095 or 001096		11-12	sem or year/.5 or 1

MUSIC & PERFORMING ART

Music & Life	002466		9-12	sem/.5
Marching Band	002415		9-12	sem/.5
Symphonic Band	002446		9-12	sem/.5
Wind Ensemble (t/a)	002416	Audition	9-12	sem/.5
Color Guard (t/a)	002470	Audition	9-12	sem/.5
Jazz Band II (t/a)	002439 & 002440	Audition	9-12	year/1
Jazz Band I (t/a)	002435 & 002436	Audition	9-12	year/1
Treble Choir	002405 & 002410		9-12	sem or year/.5 or 1
Men's Choir	002412 & 002413		9-12	sem or year/.5 or 1
Women's Honor Choir (t/a)	002430 & 002431	Audition	10-12	year/1
Chamber Choir (t/a)	002425 & 002426	Audition	10-12	year/1
Bel Canto Singers (t/a)	002455 & 002456	Audition	10-12	year/1
Music Theory	002450 & 002451		10-12	sem or year/.5 or 1
Theater Arts	001080		10-12	sem/.5

VISUAL ARTS

Introduction to Art	001710		9-12	sem/.5
2-D Design 1	001730		9-12	sem/.5
2-D Design 2	001731		10-12	sem/.5
Drawing and Painting 1	001715		9-12	sem/.5
Drawing and Painting 2	001716		10-12	sem/.5
Ceramics 1	001720		9-12	sem/.5
Ceramics 2	001725		9-12	sem/.5
Advanced Ceramics	001735 & 001736		10-12	sem or year/.5 or 1
Digital Photography (t/a)	003520 & 003521		10-12	sem or year/.5 or 1

NJROTC

Intro. To Naval Science	002501 & 002502		9	sem or year/.5 or 1
Naval Science Gold	002515 & 002516	Even Years	10-12	sem or year/.5 or 1
Naval Science Blue	002510 & 002511	Odd Years	10-12	sem or year/.5 or 1
Naval Science Enrichment (t/a)	002525 & 002526		10-12	year/1
Advanced Naval Science (t/a)	002520 & 002521		12	year/1
Project Sail	002555 & 02556		9-12	sem or year/.5 or 1

Language Arts

Category High School Graduation	9 th grade English 9	→	10 th grade English 10	→	11 th grade English 11	→	12 th grade Speech (recommended)____ English Elective
Minimum for College Entrance	English 9	→	English 10	→	English 11	→	English 12
Preferred College Prep	English 9	→	English 10	→	American Writers	→	AP English
Advanced College Prep	Adv. English 9	→	Adv. English 10	→	American Writers	→	AP English

Academic Literacy

004360

One semester, 1/2 Credit, Grades 9-10

Prerequisite: Placement made based on assessment data and teacher recommendation; students may request this course if space is available

This course is designed for the student who needs to enhance basic reading skills necessary for successful completion of other content area courses. Students will develop a love of reading and devote daily time to reading for pleasure. The student will develop his/her ability to read and study textbook materials effectively and discover main ideas in paragraphs; note details and make inferences; draw conclusions; outline and summarize; take notes from written and oral material; develop vocabulary; prepare for and read exams; and develop study skills through reading comprehension.

English 9

001022 & 001023

Full Year, 1 credit, Required in Grade 9

This class OR Advanced English 9 is required for graduation.

English 9 is a year-long required course consisting of literature, grammar, and communications. The grammar segment includes usage and mechanics, sentence structure, paragraphs, and theme-building. Students will be introduced to research skills. The literature segment includes short story, nonfiction, mythology, poetry, drama, and the novel.

Advanced English 9

001007 & 001008

Full Year, 1 credit by application and approval only

Prerequisites: "A" in both semesters of 8th grade English, "B" average in all 8th grade classes overall. District assessment scores will be used in the selection process. Students must submit an application and will be required to sit for a writing prompt, which will be evaluated by a 3-person panel from the MHS English department.

Advanced English 9 is a year-long course designed for 9th grade students who excel in English. This course will use the same curriculum as English 9 but will challenge students more critically and intensively in the areas of writing, communications, and literature. Candidates for this course should have a good grasp of grammatical conventions; they should be self-motivated, and they should have genuine interest in reading and writing various genres of prose and poetry.

English 10

001001 & 001002

Full Year, 1 Credit, Grade 10

This class OR Advanced English 10 is required for graduation

Prerequisite: Passing grade in both semesters of English 9. Sophomore English consists of two semesters containing a combination of composition, communication and multicultural literature. Students will explore a variety of literary genres. Students will write in a variety of modes with an emphasis on persuasive and literary analysis. Students will complete a research project. The course will focus on improving the student's reading, speaking, writing, and editing skills.

Advanced English 10

001003 & 001004

Full Year, 1 Credit, by application and approval only

Prerequisite: "A" in both semesters of English 9 class, must have GPA of at least 3.0, must have signature and written recommendation of current 9th grade English teacher.

This is an enriched course for highly motivated students of English interested in studying the genres of literature and the skills of critical and creative writing in more depth than the English 10 course. It is a demanding and exciting course with high expectations. Students should expect regular and considerable homework.

English 11

001050 & 001051

Full Year, 1 Credit, Required in Grade 11

This class OR American Writers is required for graduation. Am. Writers is recommended for college bound students.*Prerequisite:* English 9 and 10

The central focus of the course will be an exploration of the following questions: What does it mean to be an American? What is unique about the American experience? These questions will be addressed through a thematic approach to American Literature. Students will read, discuss, and write about the American experience through exploration of some or all of the following themes: the American dream, equality and inequality, freedom, democracy, diversity (melting pot), roles of minorities, tolerance, immigration, imperialism, and social and civic responsibility. Students will continue to refine and develop their communication skills.

American Writers

001035 & 001040

Full Year, 1 Credit, Open to Grade 11 (12 with permission)

Weighted Grade Policy Applies.*Prerequisite:* B or better in English 10 or Advanced English 10. **Recommended for college bound students.**

This is a one year course that offers the college-bound student a chronological in-depth study of selected American Literature from its conception to contemporary times. Various and pertinent themes will be pursued throughout the year and used as a basis for discussion and seminar. At least one analytical essay is written on each author studied; there will be essay exams and shorter papers required throughout each semester. The college-bound student's writing and thinking skills that were begun in Sophomore English continue to be developed. This is an excellent college preparation class for the highly motivated student. However, be prepared for a lot of reading and writing outside of class.

English 12

001030 & 001031

Full Year, 1 credit, Grade 12

Prerequisite: Successful completion of English 11

English 12 is designed for students who wish to continue their education at the college level. Students will be introduced to the traditional World Literature Canon, from Beowulf to 21st Century Fiction. Genres of poetry, short story, drama, the novel, and non-fiction will be read, discussed, and analyzed. Student writing will focus on literary analysis, narration, and research. Students will also continue to refine their communication skills in discussions and presentations.

AP English Literature & Composition

001090 & 001091

Full Year, 1 Credit, Grade 12

Weighted Grade Policy AppliesPrerequisite: B in American Writers strongly recommended.

Advanced Placement College English is designed to help the student prepare for college level work in literature and composition. It is a demanding course with a heavy reading load and frequent writing assignments, but it provides a solid background for the highly motivated student who earnestly wants to succeed in college. The class is designed around the Advanced Placement English format and, as such, is college freshman level or above in difficulty. The literature begins with Homer and classical Greek drama and proceeds with medieval and then renaissance drama and poetry. Romantic poets are followed by a study of modern fiction. In addition, the class will allow the student an option to receive college level credit by taking the College Board's Advanced Placement English Test during the spring semester. Successful completion of this test can earn the student up to nine semester hours of college credit, accepted at over 2,000 colleges and universities in the United States and abroad. For the serious student, College English provides the skills necessary in the stiff academic competition of the modern university. Homework will consist of reading assignments, short analytical papers, and a research paper during the second semester.

Beginning Journalism

001070

One Semester, 1/2 Credit, Grades 9-12.

This course explores both print and broadcast journalism. Students will explore media history, ethics, and societal effects as well as receive instruction in interviewing techniques, journalistic style (news, feature, sports, editorial), photography, advertising and video productions. Students will learn how to layout and design various pages and advertisements for newspaper. Interaction with local media businesses is possible via guest speakers and/or field trip tours. Students will be expected to complete some assignments outside of class time. Beginning Journalism is designed to give you the skills needed to be successful as a staff member of Chieftain, Channel M or yearbook.

Creative Writing I

001060

One semester, 1/2 Credit, Grades 9-12

This course will provide instruction in the basics of creative writing. It will include an in-depth exploration of the fundamentals of poetry: the use of imagery, metaphor and word choice, etc. to hone and focus the basic skill of writing. Students will also explore the fundamentals of creative nonfiction, as well as the elements of fiction: character development, setting, and plot. Students will be expected to adhere to a demanding writing schedule, and, since the class is run in a "workshop" format, they must also be prepared to both present their own work, as well as maturely and objectively critique that of their peers.

Creative Writing II

001061

One Semester, 1/2 Credit, Grades 9-12

Prerequisite: Creative Writing I

This class is a continuation of Creative Writing I, and follows the same basic format, with the exception that students will be free to choose a single genre in which they want to focus. They will be responsible for "adopting" an established author of that genre as a sort of elder from which to learn. The class will also explore issues of memory and storytelling in an increasingly controlled world. They will assume partial responsibility as well, in association with MHS Press, for editing the "Communique" magazine.

Oral Communications

001045

One Semester, 1/2 Credit, Grades 9-12

Oral communication is designed to help students enhance their abilities as conversationalists as well as public speakers. Students will take an in-depth look at themselves and others to develop a mutual understanding between speakers and listeners. Units to be covered include group dynamics, self-expression, listening, conversational speaking, and public speaking. Communication is a part of everyone's life and it is vital that one develops good communication skills in order to become active participants socially, academically and physically.

Advanced Communications

001046

One Semester, 1/2 Credit, Grades 10-12

Prerequisite: Oral Communication

This course applies and extends concepts taught in oral Communications. In depth and comprehensive instruction in communication will be offered for students who wish to develop advanced skills. This instruction will focus on communication skills needed in secondary education, post-secondary education, and the workplace.

Short Story

001020

One Semester, 1/2 Credit, Grades 11-12

Prerequisite: Junior or senior status required.

This course focuses on short fiction from America and around the world. Students will find out what Poe keeps in his catacombs, who really is afraid of Virginia Woolf, what Stephen King keeps in his closets, and why we'd rather read Cather. The class will also read selections by Albert Camus, Joyce Carol Oates, John Updike, Ernest Hemingway, Shirley Jackson, Gabriel Garcia Marquez, F. Scott Fitzgerald, Flannery O'Connor, and William Faulkner; just to name a few. There is a heavy emphasis on reading and discussion, but class time is given for all assignments.

Students will study short story elements: character development, plot, setting, etc. and apply those elements to their own short stories. In addition, students will study the sub-genre of the short story: horror, flash fiction, science fiction etc. while studying the different forms of the short story, students will write their own stories within that sub-genre.

Philosophy I

001343

One Semester, 1/2 Credit, Grades 11-12

Prerequisite: B average in all English and Social Studies classes**Weighted Grade Policy Applies**

This course is designed to be a general introduction to the area of world philosophy. Students will be provided with the opportunity to examine the following major areas: Basic reasoning including a study of inductive and deductive logic in symbolic terms; major trends in Oriental, Greek, European and contemporary philosophies with particular emphasis on systems of ethical judgment; and a general comparative examination of the major religious philosophies of the world. Students will be required to do some outside research. Emphasis will be placed on written analysis of ideas and arguments and written application of those ideas and arguments to contemporary situations. The class will require outside reading in preparation for class discussion. In addition, there will be a number of short oral presentations. All homework assignments are given at least several days in advanced. *This course can be used to earn one-half credit in English.*

Mathematics

Math Department Course Flowchart

This course flowchart is based on Course title and Grade Level with Categories determined by student high school exit goals*

Category	9 th grade	10 th grade	11 th grade	12 th grade
High School Graduation**	Algebra 1**	→ Geometry**	→ Extra-Department** Courses (EDC)***	
Minimum for College Entrance	Algebra 1	→ Geometry	→ Algebra 2	→ College Alg Prep or EDC
Preferred College Prep	Geometry	→ Algebra 2	→ College Alg Prep or AP Stat	→ Trig/PreCalc
Advanced College Prep	Adv Geometry	→ Adv Algebra2	→ Trig/PreCalc	→ AP CalculusAB
Advanced	AdvAlgebra2	→ AP Stat	→ Trig/PreCalc	→ AP CalculusAB
College Prep	AdvAlgebra2	→ Trig/PreCalc	→ AP Calculus AB	→ AP Calculus BC

* Students may move vertically across categories with teacher recommendation.

** Some alternative courses and/or coursework are available for students as recommended by their instructor. Enrollment in these courses is based on teacher recommendation.

*** Students must have 2 credits of math from the math department to be eligible for EDC. Students must apply and be pre-approved by the math department to receive EDC.

Success Math

Full Year, 1 Credit, Grades 10-12

Prerequisite: math department placement only

Success math consists of two semesters containing basic computation, pre-algebra, algebra, and problem-solving skills. The course is paced to meet the individual needs of students and prepare them for entry into Algebra A.

Algebra 1

001155 & 001156

Full Year, 1 Credit, Grades 9-12, Required credit

Prerequisite: None

Topics covered in Algebra 1 will be the same as those covered in a traditional Algebra I course. These include number sense and computation, equation solving, graphing of linear relationships, exponent rules, basic data analysis, and some applications in geometry.

Geometry

001117 & 001118

Full Year, 1 Credit, Grades 9-12, Required credit

Prerequisite: C or better in Algebra I

This class is designed for college bound students. It will help a student to develop the skill of logical reasoning that can be carried-over into other subjects. The class is designed also to help strengthen and review algebra skills. It will enable the student to go on to Algebra II and higher math. Daily homework is required.

Advanced Geometry

001101 & 001102

Full Year, 1 Credit, Grades 9-12, Required credit

Prerequisite: Application, teacher recommendation, Proficient or Advanced scores on Math CSAP or MAPS test and A or B Average in Algebra I

This course is strongly recommended for advancement to AP Calculus.

Covers traditional Geometry topics in further depth than regular geometry, plus associated topics not covered in regular geometry. Pace is faster and requires more work than the regular geometry class. Topics include symmetry and transformations, angle relationships, area, perimeter and volume of figures, circles and their properties, similarity and congruence, right triangle trigonometry, the Pythagorean Theorem, special right triangle properties and different types of proofs.

Algebra II

001123 & 001124

Full Year, 1 Credit Grades 9-12

Prerequisite: "C" average in Geometry

This course will cover more advanced topics in algebra, and is primarily for students considering a college education. It could also apply to students considering computer or technical training. Daily work is required.

Advanced Algebra II

001104 & 001105

Full Year, 1 Credit, Grades 9-12

Prerequisite: Application, teacher recommendation, and A or B average in Geometry or C or better in Advanced Geometry

This course is recommended for advancement to AP Calculus.

This course will cover the advanced topics of Algebra II, (transformation of functions, exponential and logarithmic functions, polynomial functions, solving a variety of equations and inequalities using a variety of methods, solving linear systems and matrices, collecting and analyzing data from experiments, and counting probability, with a big focus on algebraic skills and rational expressions), plus the more advanced topics of conic sections and trigonometric functions.

College Algebra Prep

001128 & 001129

Full Year, 1 credit, Grades 10-12

Prerequisite: D in Algebra II

This course will cover many of the topics that a College Algebra class would cover, as well as some discrete Math topics and an introduction to statistics. It is designed for college bound students that need more algebra, or another math credit. It will prepare students for College Algebra, Trigonometry, and Statistics. This class is highly recommended for those students that are college bound and not yet ready to take Trigonometry or Pre-Calculus.

AP Statistics 001145 & 001146

Full year, 1 Credit, Grades 11-12

Weighted Grade Policy Applies

Prerequisite: MATH: Algebra 2 with a strong B or A, OR College Algebra Prep with a C or better, OR Trigonometry/Pre-Calculus with a C or better. Since the class involves more reading than other math classes, a B or better in current English class is strongly recommended.

AP Statistics is an honors course that will receive a weighted grade for each semester. This course primarily covers four topics: data analysis, sampling and experimentation, probability and distributions, and statistical inference. Students will complete statistical projects to apply understanding and prepare for the AP exam. A student completing this course will have taken the equivalent of one semester of college statistics. As an AP course, students will take the AP exam for possible college credit at the end of the course. This class is recommended for students who are considering careers in social sciences, biological sciences, health sciences, government service, business or related fields.

Trigonometry/Pre-Calculus 001130 & 001131

Full Year, 1 Credit, Grades 11-12

Weighted Grade Policy Applies

Prerequisite: A or B in Advanced Algebra II or College Algebra Prep C average

This class is for students who have mastered the algebraic concepts and skills covered in Algebra II. The course is designed for calculus bound or college bound students who may be interested in fields related to mathematics, physics, engineering, architecture, or technical and medical careers. It will cover basic trigonometric values, the unit circle, basic identities, graphs and transformations of trigonometric functions and their inverses, triangle relationships, vectors and complex numbers, followed in semester two with important pre-calculus concepts.

AP Calculus AB 001136 & 001137

Full Year, 1 credit, Grades 11-12

Weighted Grade Policy Applies.

Prerequisite: Successful completion of Trigonometry and Pre-Calculus or permission of the instructor.

AP Calculus is an advanced course that will receive a weighted grade for each semester. The course will cover the topics of limits, differentiation both explicitly and implicitly, and indefinite and definite integrals. Applications include analysis of functions, areas under curves, volumes of solids of revolution, differential equations, related rate problems, and optimization problems. A student completing this course will have taken the equivalent of Calculus in college. As an AP course, students will have the option of taking the AP exam at the end of the course for a fee and for possible college credit. This class is recommended for any student considering a college major in math, science, engineering, business or related fields.

AP Calculus BC 001138 & 001139

Full year, 1 credit, Grade 12

Weighted Grade Policy Applies

Prerequisite: Successful completion of AP Calculus AB

AP Calculus BC will include a brief review of AP Calculus AB topics. Additional materials covered will be the topics normally covered in a college level Calculus 2 course with emphasis on techniques of integration, analysis using polar and vector forms, logistic equations, and an introduction to convergent and divergent series.

The use of CAS (Computer Algebra Systems) such as Maple will be used in the investigations of some of these topics. As an AP course, students will have the option of taking the AP exam at the end of the course for a fee and for possible college credit.

Science

Category
High School
Graduation

	9 th grade	10 th grade	11 th grade	12 th grade
	GeoPhys Sci →	Biology →	Science elective →	
Minimum for College Entrance	GeoPhys Sci →	Biology →	Chemistry →	
Preferred College Prep	GeoPhys Sci →	Biology →	Chem or Adv. Chemistry →	Science department elective
Advanced College Prep	GeoPhys Sci →	Bio & Chem/Adv. Chem →	AP Science →	AP Science and/or Saxon Phys

Geo-Physical Science 001240 & 001241

Full year, 1 credit, Grade 9

This class is required for graduation

This is an earth science-based course with an emphasis on the chemistry and physics behind earth and space processes. Students will explore geology, meteorology, and astronomy topics through hands-on investigations. Being a lab course, students are expected to use critical thinking, problem-solving techniques to learn more about our world and its place in the universe.

Biology 001215 & 001216Full Year, 1 Credit, **Required Grade 10****This class is required for graduation.**

Prerequisite: Passing grade in Geo-Physical Science or teacher recommendation

This course focuses on the characteristics of life shared by all living organisms. Cell biology, which includes basic chemistry, cells, use and transfer of energy, and heredity leads into evolution, human anatomy and physiology, classification of organisms and ecology. Many labs that utilize quality science equipment enhance concepts taught through lectures, reading, and small group work. New advances in molecular biology are impacting the potential for curing disease and have ethical implications. Students will gain an understanding of these technologies that will help them make informed decisions.

Chemistry

001225 & 001226

Full Year, 1 Credit, Grades 10-12.

Prerequisite: For Sophomores, have completed Geometry as a Freshman with a "B" or better. Juniors and Seniors have successfully completed Geometry.

This class deals with the basic principles of chemistry. The subject areas investigated include classification of matter, chemical formula and equations, energy changes, gas laws, structure of the atom, periodicity of the elements, and chemical behavior of the elements. The mole concept is stressed. Methods of presentation are primarily lecture, laboratory and problems recitation. Each subject builds upon previous learning. As a consequence, it is necessary for the student to keep up with daily work. Access to a scientific calculator is required. Chemistry second semester is a continuation of first semester. Subject areas investigated include ionic bonding, covalent bonding, properties of liquids and solids, solutions, rate of reaction, chemical equilibrium, acids and bases, precipitation reactions, quantitative analysis, oxidation reduction reactions and electrochemistry. Students can expect homework assignments daily. Homework includes assignments from the textbook, lab write-ups and work assigned from the workbook

Advanced Chemistry

001245 & 001246

Full Year, 1 Credit, Grades 10-12, Fee: \$5 per year lab fee (consumables)

Prerequisite: Geometry, science teacher approval, and B or better in 9th and 10th grade math and science classes.

This class deals with the basic principles of chemistry and is taught at a faster pacing than the regular Chemistry class. It is designed for the student who quickly grasps concepts and enjoys learning about science. The subject areas investigated first semester include classification of matter, writing and naming chemical compounds, writing, balancing and classifying chemical equations, energy changes, periodicity of the elements, and chemical behavior of the elements. The mole concept is stressed. Second semester is a continuation of first semester. Subject areas investigated include structure of the atom, gas laws, ionic bonding, covalent bonding, properties of liquids and solids, solutions, Lewis structures, the effect of molecular structure on properties, chemical equilibrium, acids and bases. Methods of presentation are primarily lecture, laboratory and problems recitation. Each subject builds upon previous learning; thus, it is necessary for the student to keep up with daily work. Access to a scientific calculator is required. Students can expect homework assignments daily.

Astronomy

001206

2nd Semester, ½ Credit, Grades 11-12 (10th with permission)

Fee: \$3 semester lab fee (consumables)

Prerequisite: Grade of "C" or better in Geophysical Science and Biology

Astronomy is the study of the universe beyond earth. It is one of the oldest branches of the sciences. Topics of study will include characteristics of stars, stellar evolution, star groups, galaxies, structure of the sun, solar activity, scientific theories on formation of the solar system, models of the solar system, characteristics of the planets, asteroids, comets, meteors, characteristics of the earth's moon, moon movements, and current astronomical research projects and discoveries. A major focus of this course is multi-wavelength astronomy – how we learn about the universe through the observation of non-visible light. Attendance at an evening star viewing activity is required.

Geology

001205

1st Semester, ½ Credit, Grades 11-12 (10th with permission)

Fee: \$5 semester lab fee (consumables)

Prerequisite: Grade of "C" or better in Geophysical Science and Biology

Geology is the study of the solid earth, its characteristics and the processes that affect it over time. In this course, students will be investigating selected topics not covered in depth in the Geo-Physical Science course. Major units of study include: rocks and minerals, groundwater, mountain-building, earthquakes, and local geologic history. A required full-day field trip to the Ouray area is an important part of the class. This is a very hands-on course with many activities and labs. Completion of this course will give students insight into our natural world and help them make good decisions about how to manage its resources.

Nautical Science

001260 & 001261

Full year, one credit, Grades 11-12

This course is designed to engender a sound understanding of nautical science as it relates to maritime studies. Content will include, but not be limited to the following formal topics: maritime geography; oceanography; undersea landscapes; the makeup and movements of seawater; life in the seas; meteorology: the atmosphere (clouds and fog, wind and weather, fronts and storms) and weather forecasting; as well as related physical science topics to include motion, force, aerodynamics, hydrodynamics, buoyancy, electronics, sound and sonar. To support these studies with an applied "expeditionary learning" (hands-on) approach and to reinforce the students' subject matter expertise, additional topics of basic seamanship, the dynamics of sailing, small boat safety, introduction to navigation and time (celestial and surface), nautical rules of the road, and the maneuvering board (relative motion plotting) will be included. With regard to intended outcomes, after successfully completing this course the student will be knowledgeable in skills necessary to accurately and safely navigate the wet surface of the planet. **This course may not be substituted for either of the two classes required in science for graduation, and is not intended to be a college-preparatory science course.**

Conceptual Physics

001235 & 001236

Full year, 1 Credit, Grade 11-12

Fee: \$5 per year lab fee (consumables)

This course covers all major topics in physics including force, motion, and relativity, sound, light, electricity and atomic structure. The course stresses concepts rather than formulas so there is not as much math as a traditional physics course. The course is designed for students who don't have a strong math background or for those students who want to learn the fundamentals of physics without the perceived difficulty of a math based physics course. Daily homework assignments will be given along with laboratory work once or twice a week. Tests will be given periodically.

AP Biology

001210 & 001211

Full Year, 1 Credit, Grades 11-12

Weighted Grade Policy Applies

Fee: \$5 per year lab fee (consumables)

Prerequisite: "B" average in Biology and Chemistry. MUST have current science teacher recommendation and Mr. George's signature.

AP biology is designed to be the equivalent of a college introductory course usually taken by biology majors during their first year. This course is recommended for all those planning to major in life science or is considering the medical profession. **The course is to be taken after the successful completion of high school biology and chemistry**, though for some students it may be possible to take this course and chemistry concurrently. Reading will come from a college level textbook. Twelve standardized labs are used along with other labs that will create hands-on learning. Lectures will provide the conceptual framework with the course consisting of the following major topics: 1. Molecules and cells, 25%; 2. Heredity and Evolution, 25%; and 3. Organisms and Populations, 50%. Hard work and strong study skills (5 hours per week) are necessary for success in this exciting and challenging course. As an AP course, students will have the option of taking the AP exam at the end of the course for a fee and for possible college credit.

AP Chemistry 001222 & 001223

Full Year, 1 Credit, Grades 11-12

Weighted Grade Policy Applies

Fee: \$5 per year lab fee (consumables)

Prerequisite: "B" average in chemistry, complete Algebra II with a B or better. Access to a scientific calculator. MUST have teacher recommendation.

The AP Chemistry course is designed to be taken only after the successful completion of a first course in high school chemistry. This advanced placement course is very demanding and is designed to be the equivalent of general chemistry usually taken during the first college year. Students will attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course will contribute to the development of the students' abilities to think clearly and to express ideas, orally and in writing, with clarity and logic. As an AP course, students will have the option of taking the AP exam at the end of the course for a fee and for possible college credit

Saxon Physics 001230 & 001231

Full Year, 1 Credit, Grade 12.

Weighted Grade Policy Applies.

Fee: \$5 per year lab fee (consumables)

Prerequisite: Algebra II, Chemistry

This physics course is designed for the college bound student. Topics covered include: Force, motion, sound, light, electricity and atomic structure. Daily homework and laboratory work will be assigned and tests given periodically. The course is uniquely designed so that one could pass the advanced placement exam in physics. It is highly recommended that students with Algebra II background and an interest in any science area take this course. It is particularly geared to allow "average students" with a good math background to understand the fundamental concepts of a college level physics course.

History & Social Studies

Category	Social Studies Department Course Flowchart			
	9 th grade	10 th grade	11 th grade	12 th grade
High School Grad / Minimum College Entrance	World Geography Middle American History	Modern American World History Elective	Elective	American Government
Advanced / College Prep	World Geography Middle American History	Modern American World History Elective	AP US History (Full Year)	American Government Humanities

World Geography 001373

One semester, 1/2 credit, grade 9

This class is required for graduation

This course will examine the importance of geography in understanding the world. The course is organized regionally and emphasizes the five fundamental themes of geography: location, place, human-environment interaction, movements, and regions. Geography skills and geography-related topics will be taught.

Middle American History 001310

One semester, 1/2 credit, Grade 9

This class is required for graduation

Middle American History will study the development of the United States from The U.S. Constitution to the end of World War I. Major topics to be covered include early presidential leaders, the strengthening of the Supreme Court, Westward Expansion, the Civil War, the Industrial Revolution and the emergence of modern America. Students will complete a five paragraph essay during the course of the semester.

Modern American History 001300

One Semester, 1/2 Credit, Grades 10-12

This class is required for graduation.

This course traces the historical events, social trends and political developments of the United States from the 1920's to the present. Events such as, the Depression, World War II, the Cold War, Civil Rights movement, Kennedy and Johnson years, Vietnam War, Watergate, the decade of the 80's as well as the last 15 years of Am. History will be examined. Students will emerge from the course with a sound knowledge of American foreign policy and the background of many of today's problems. This course will involve frequent reading assignments, some writing and/or research assignments, mock trials, map assignments and an average of 6-10 exams per semester. The major exams and research assignments may require study time outside of class. **Will be offered as 0-hour as well as in the regular day if enough students request this (001395).**

Ancient World History 001320

One Semester, 1/2 Credit, Grades 10-12

The basis of our modern civilization is the primary theme of this course. The student will study how the ancient civilizations of Egypt and Babylonia, and more particularly, the classical civilizations of Greece and Rome formed the basis of our society today. The European medieval culture is described and the developmental influences of feudalism, Christianity and the Crusades are examined. In this class, students can expect to have reading assignments, a research project, and/or special projects. There will be an average of 8-10 major exams per semester. Actual outside class work will average 1-2 times per week.

Modern World History 001325

One Semester, 1/2 Credit, Grades 10-12

This course examines the development of the modern nations of the western world. It examines the famous dynasties of Europe, the exploration and colonization of the New World, the American and French Revolutions, the Napoleonic Wars, the unification of Germany and Italy, the Industrial Revolution, the colonization of Africa, World War I, the inter-war period, World War II, and the Cold War. In this class, students can expect to have reading assignments, a research project, and/or special projects. There will be an average of 8-10 major exams per semester. Actual outside class work will average 1-2 times per week. **Offered as a zero hour as well as during the regular day (001396)**

Contemporary Issues

001380

One Semester, ½ Credit, Grades 11-12, Fee: \$15

This course is a study of local, national, and international events. Class discussions provide a format for the examination of social events, their roots, and their development. Class discussions center on the steps that citizens can take to offer solutions to societal problems. The political, social, and economic realms of these events will be examined through the use of current reading materials as well as discussion. Students will have frequent reading assignments and research projects (written and/or oral).

Economics

001915

One Semester, 1/2 Credit, Grades 11-12

Why does it cost me so much to fill up my gas tank? Why does my friend make more at his job than I do? Spend time learning about the basic economic principles that affect your everyday life. Some topics to be discussed include: supply, demand, market forces, the role of The Fed, economic systems, and pricing structures. This course will include a brief introduction to micro and macro economics. If you are planning to major in business, finance, political science, marketing, accounting or economics at the collegiate level, this will provide a good introduction. Work outside of class will include studying for exams plus homework once a week.

History of World War II

001355

(Offered only during school years that begin with an odd number i.e. Fall 2011, Fall 2013)

One Semester, ½ Credit, Grades 11-12

Prerequisite: B in Mod. World or Mod. Am. and instructor approval.

This course offers a social studies elective opportunity for students interested in studying the history of events surrounding World War II. It will cover the period of time between 1918 and 1948. Students will be required to complete reading assignments, writing projects, and exams related to the topics covered. Students can expect to have some homework out of class.

Psychology

001335

One Semester, ½ Credit, Grades 11-12

The student will develop a basic understanding of psychological procedures, learning principles, the body and behavior, perception, motivation and emotional and developmental trends. Areas to be focused on are psychological growth, stress and conflict, personality development, maturation, adjustment in society, and mental illness. Students can expect to have regular home work and reading assignments, a research project and do community service. Students should expect several exams, and an average of three to four nights of homework per week.

Street Law I

00135

One Semester, ½ Credit, Grades 11-12.

Prerequisite: At least a 2.5 GPA with good attendance record.

This class is designed for the students who have an interest in the legal system, law enforcement, government, politics, corrections, confinement, or community welfare. Students will understand law and the legal system, and how to use that knowledge in their everyday lives. Students will improve their understanding of current issues and controversies relating to law and the legal system. They will be encouraged to be effective citizen participants in our legal system, bring about a greater sense of justice, tolerance, understanding and fairness, by gaining the knowledge to resolve disputes through informal and formal mechanisms including classroom mock trials. Students will learn the roles that law, lawyers, law enforcement officers, and the legal system play in our society and be exposed to the many vocational opportunities that exist within the legal system.

Street Law II**ONLY OFFERED DURING SECOND SEMESTER EACH YEAR.**

001351

One Semester, ½ Credit, Grades 11-12

Prerequisite: Pass Street Law I with "B"

Advanced Street Law students will have an emphasis on Civil law and Law enforcement. Students will continue the study they began in Street Law and will be required to apply what they have learned through Teen Court, professional internships, and a Jr. Police Academy.

AP US History

001377 & 001378

One year, one credit, Grades 11 & 12

Prerequisite: B average in all English and Social Studies courses**Weighted grade policy applies**

AP US History is survey of US history from the age of exploration to the present. The curriculum includes the founding of our country, its growth process from a new nation to a world power, and the economic, social, and political trends that have shaped our domestic agenda and our international affairs. The causes and effects of pivotal events in US history that have influenced the nation we live in today will be topics of focus. The course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in US History. As with any weighted course offered at MHS, students can expect assignments and tests that are commensurate with the nature of the advanced course content. As an AP course, students will have the option of taking the AP exam at the end of the course for a fee and for possible college credit.

Humanities

001346

One Semester, ½ Credit; Grades 11-12

Prerequisite: B average strongly recommended.**Weighted Grade Policy Applies**

Humanities generally traces the development of Western Culture within its historical context. Students will study art, architecture, history, literature, philosophy, and music and drama, with an emphasis on how these relate to one another

Humanities will trace the origins of modern culture, beginning with the Renaissance of the 17th Century, and continuing through the 20th Century. Students will be required to read selected materials and examine works of art, music, drama, literature, philosophy and government. Students will be required to write a number of critical and interpretative essays, read a non-fiction book, participate in oral presentations, and take exams. The class will require outside reading in preparation for class discussion. Homework assignments will be given several days in advance.

American Government

001365

One Semester, ½ Credit, Grade 12

This class is required for Graduation.

Students are introduced to the study of the federal, state and local governmental relationship. Emphasis will be given to the functions and the relationships of the legislative, executive and judicial branches of the federal and state governments. The role of the United States international affairs and organizations will be studied, analyzed and discussed. Current national, state, and local problems confronting government will be studied and discussed by the students. An introduction to the electoral process and the citizen's role in the political function will be studied in detail. The student will develop an understanding of the role of the citizen in making democracy work through involvement in the political process. Student's recognition of the citizen's responsibility for good government will be encouraged. In this class, students can expect to have frequent reading assignments and research projects. It is expected that students will spend a moderate amount of time outside of class with homework. **Offered as a 0 hour as well as the regular day if enough students request it (001366).**

Health & Physical Education

The physical education classes at MHS are designed to help young people acquire the skills and self-confidence they need to participate in a wide variety of physical activities. All course offerings address the HEALTH-RELATED FITNESS COMPONENTS: cardiovascular endurance, flexibility, muscular endurance, muscular strength, and body composition. It is our goal at MHS to give each student the skills, knowledge, and desire to lead a physically active lifestyle. **1.5 credits of PE 9th - 12th grade plus .5 credit Health and Wellness are required for graduation. Only one PE activity class may be taken per semester in grades 9 & 10.**

Health & Wellness 001460

One semester, 1/2 credit, Grade 9

This class is required for graduation.

Health & Wellness is designed to assist students in identifying constructive health behaviors that will produce wellness in their lives. Included are stress management, drug and alcohol education, sexuality education, nutrition and planning for a healthy future. Some short essay assignments and questionnaires will be required. Students can expect major exams and quizzes per semester. There will be class time dedicated to the completion of assignments. Students should expect a moderate amount of assignments in Health and Wellness. **Students are required to attend the Teen Sexuality Workshop regardless of the semester they take the class.**

Advanced Weights 001452 or 001453

One Semester, 1/2 Credit, Grades 9-12. *Course may be repeated.*

Prerequisite: Weight Training I

This is a basic weight training class designed for those students who are interested in general strength and conditioning and not necessarily on power gains. Aerobic programs designed to improve fitness and stamina will also be included. Due to the nature of weight training NO two weights classes should be taken during the same semester

Athletic Strength & Conditioning (Zero-hour only)

Women's 001490 or 001491

Men's 001492 or 001493

One semester, 1/2 credit, Grades 9 (2nd semester only)-12. *Course may be repeated.*

No Prerequisite

These classes are designed for and geared toward improvements in strength, speed, agility, power, and overall performance in any number of athletic endeavors. The classes require a strong motivation toward improving athletic performance.

Beginning Weights 001417 or 001418

One Semester, 1/2 Credit, Grades 9-12

This class is designed for students interested in learning proper lifting and spotting techniques. In addition to proper techniques, students will learn and evaluate various lifting programs designed for endurance, general strength, and strength and power. Students will learn various lifts for the six major muscle groups of the body and how the scientific principle of overload, progression, and specificity are used in resistance training. This class is a prerequisite for Weight Training II and Power Weight Training. Aerobic programs designed to improve fitness and stamina will also be included. Due to the nature of weight training NO two weights classes should be taken during the same semester.

Personal Fitness 001412 or 001413

One Semester, 1/2 Credit per Semester, Grades 9-12. *Course may be repeated.*

The fitness class is designed for those students who are interested in improving or maintaining their personal fitness. Activities include: jogging, walking, light weight training, step aerobics/aerobics, stretching, yoga, pilates, and other fitness related activities that may include bicycling, rollerblading and fitness videos.

Recreation Sports 001422 or 001423

One Semester, 1/2 Credit, Grades 9-12. *Course may be repeated.*

This class is designed for students who want to learn the skills for various lifetime activities. Activities will include exposure to lifetime recreational activities and team sports at a less competitive level. Possible activities include: tennis, golf, badminton, table tennis, pickle ball, archery, ultimate frisbee, disc golf, sepak takraw (foot volleyball), croquet, and kin ball. Recreational team games may also be included.

Team Sports I 001440 or 001441

One Semester, 1/2 Credit, Grades 9-12

Activities in this class are geared toward students that enjoy team related sports. Basic skills will be practiced and used in games. Teams sport activities include flag football, soccer, softball, volleyball, lacrosse, basketball, floor/field hockey, touch rugby, and team handball.

Team Sports II 001442 or 001443

One Semester, 1/2 Credit, Grades 9-12. *Course may be repeated.*

Prerequisite: Minimum grade of C in Team Sports I or teacher signature approval.

Activities in this course are geared to those students who enjoy team-related sports at a more competitive level. In addition to basic skills, offenses and defenses will be taught and used during game play. Team sports activities include flag football, soccer, softball, volleyball, lacrosse, basketball, floor/field hockey, touch rugby, and team handball. **Offered as a zero hour as well as during the regular day (001494)**

Weights and Wall 001450 or 001451

One Semester, 1/2 Credit, Grades 11-12. *Course may be repeated.*

This class is designed for those students (beginner and advanced) who want to work on climbing wall skills and lift weights to improve strength and stamina.

Students will learn and perform weight lifting techniques to build strength,

agility, and endurance. Students will combine this with climbing skills from basic to advanced. Safety will be an integral part of class procedure. Aerobic programs are included to improve fitness and stamina. Due to the nature of weight training NO two weights classes should be taken during the same semester.

Career and Technology Department

Agricultural Education

Agricultural Education I 001625 & 001626

Full Year, 1 Credit, Grades 9-12 **Fee \$10.00**

Agricultural Education I is offered as the start of a 4 year agriculture program. Students interested in any phase of agriculture as well as students planning on entering an agricultural area of study in college are encouraged to enroll. Students will be introduced to the agri-science areas of; beef, sheep, swine, horses, and specialty animals. Students will also be introduced to student leadership (FFA), career discovery, parliamentary procedure, and agricultural mechanics (wood, tool re-conditioning, cold metal work and basic welding). Students will have a few assignments and special reports to do at home. Traditional homework is kept to a minimum. Each student will maintain a portfolio or notebook of work done in class. A Supervised Agricultural Experience Program (SEAP) and the Future Farmers of America (FFA) are a required part of this course, and will each require additional time outside of class.

Agricultural Education II 001607 & 001608

Full Year, 1 Credit, Grades 10-12, **Fee: \$10.00**

Prerequisite: Agricultural Education I or instructor's approval.

Ag. Ed. II consists of the agri-science areas of; crop production, agriculture issues, weed and soil management. Agriculture mechanics will consist of arc, mig and oxyacetylene welding and project construction. Ag. Ed. II continues advancement in the FFA and record keeping of the student's Supervised Agriculture Experience Program (SAEP).

Natural Resource & Wildlife Management 001640 & 001641

(Offered only during school years that begin with an even number i.e. Fall 2010, Fall 2012)

Full Year, 1 Credit (Science Credit), Grades 11-12

Prerequisite: Ag. Ed. 1, Ag. Ed. 2 and Biology

Agriculture is no longer just cows and plows. Today it is a complicated interaction between wildlife, natural resources, and modern agriculture. Because of this interaction there are now jobs and opportunities available every day. Curriculum emphasizes the principles and processes involved in conserving and/or improving natural resources such as air, water, land, wildlife habitat, forestry, and energy for economic and recreational purposes. Competencies include the establishment, management, and operation of land for recreational uses. Curriculum deals with the multiple uses of forest lands and resources, including their management and protection. Areas of study will include: Wildlife Conservation, Fish and Wildlife Management, Soil and Water Conservation, Colorado Water Law, Waste and Waste Management, and Forestry and Range Science.

Agricultural Business 001601 & 001602

Full Year, 1 Credit, Grades 11-12.

Prerequisite: Ag. Ed. I and Ag. Ed. II

This course is designed to include essential farm and agribusiness management and financial evaluation principles for the student looking for a career in the agriculture industry. Units for even years: Computer record keeping, leaders and leadership, business ethics, entrepreneurship, Colorado water and livestock laws, and marketing livestock. Units for odd years: computer record keeping, whole farm planning (farm credit, budget analysis, cash flow and income statements, hedging, profit and loss calculations, break-even analysis, agriculture laws), marketing crops, and global marketing.

Agricultural Mechanics 001630 & 001631

Full Year, 1 Credit, Grades 11-12. **Fee: \$20**

Prerequisite: Ag. Ed. I and Ag. Ed. II

This course is devoted 60% to individual project construction by the student and 40% to unit skills and classroom instruction. General safety issues, developing a bill of material and plans, review of welding, project construction/repair, and ag machinery maintenance are covered each year. Units covered in even years: small engines, surveying, concrete application, and farm carpentry. Units covered in odd years: Plumbing, hydraulics, pneumatics, irrigation technology, basic diesel engine maintenance and agricultural electricity.

Animal Science 001610 & 001611

Full Year, 1 Credit (Science Credit), Grades 11-12

Prerequisite: Ag. Ed. I, Ag. Ed. II and Biology

This course provides an advanced study of the fundamentals of livestock production pertaining to principles of management, behavior, breeding, genetics, nutrition, health, fitting and showing, selecting and judging, grading, anatomy and physiology of beef, sheep, swine, dairy, horses, and exotic animals. Other areas to be emphasized are the classification and marketing of meat animal products. Units covered in even years: current animal issues, judging livestock, meat science, animal behavior, beef, sheep, swine, dairy and specialty animal management. Units covered in odd years: current animal issues, judging livestock, animal nutrition, breeding, genetics, and health, as well as poultry and equine management.

Plant Science ODD YEARS ONLY 001615 & 001616

(Offered only during school years that begin with an odd number i.e. Fall 2011, Fall 2013)

Full Year, 1 Credit (Science Credit), Grades 11-12

Prerequisite: Ag. Ed. I, Ag. Ed. II and Biology

Cultural practices and botanical characteristics of crops grown in the Western U.S., including techniques of crop production and quality improvement are studied. Emphasis is placed on crops grown in Colorado and the western slope. Units covered in odd years: Current crop production issues, greenhouse management, soil management, cereal grain production, western Colorado cash crop production, tillage practices and integrated pest management.

Automotive Mechanics

Basic Car Ownership

001850

One semester, ½ credit, Grades 10-12

If you own a car or are in the market for one, this class covers the fundamentals of car ownership. Subjects include buying a car, choosing insurance, safety, expenses, preventative maintenance, basic repair, and practical money saving tips. Class will consist of classroom work only. This is an elective class.

Vocational Automotive Mechanics I

001801 & 001802

Full Year, 2 Credits (2 periods per semester), Grades 11-12.

Work Book Fee: \$18.00 plus Skills USA membership fee: \$17

Prerequisite: Written Application and interview with instructor. *Students selected for this class in spring of previous year.*

In this class the student will cover several systems of an automobile. Students will learn to identify, test, and repair components in these systems. Students will have competencies to complete. They will also learn job skills as members of SkillsUSA. The class is a mixture of class work and shop work. Class size is limited. This is an elective class.

Safety glasses, coveralls and leather foot ware are required. Official SkillsUSA attire required.

Vocational Automotive Mechanics II

001830 & 001831

Full Year, 2 credits (2 periods per semester), Grade 12.

SkillsUSA member ship fee: \$17

Prerequisite: Must have passed Auto Mechanics I with at least an 80% and must have instructor's permission. *Students selected for this class in spring of previous year.*

This is an advanced automotive technology class. Students will cover more complicated automobile systems, including testing and repair of those systems. They will have competencies to complete. Students will learn career skills as a member of SkillsUSA and by working in an automotive shop environment. Scholarships can be available to post-secondary training upon completion of this program. Class size is limited. This is an elective class. *Safety glasses, coveralls and leather foot ware are required. Official SkillsUSA attire required.*

Vocational Auto Mechanics - On the Job Training

001840 or 001841

One Semester/Full Year, ½ Credit per semester, Grade 12.

Prerequisite: Currently enrolled in Auto II and approval of instructor. A contract is required. Students will work at an auto related job and keep a weekly journal of their activities on the job. A final presentation about their on the job experience will be required. This is an elective class.

Vocational Automotive Independent Study

003530 or 31

One semester or Year, 1/2 credit per semester, Grade 12

Prerequisite: Currently enrolled in Auto II and approval of instructor. Student will use this time to work on projects as a continuation of Auto II. This is an elective class.

Vocational Auto Mechanics Assistant

002740 or 002741

One Semester/Full Year, ½ Credit per semester, Grade 12.

Prerequisite: Currently enrolled in Auto II and instructor approval

MA provides an opportunity for hard-working, trustworthy seniors to further develop their work ethic including customer service within the auto shop. Due to shop class size limits mandated from the state level, MA was created to allow more students to enroll in Auto I. This position provides another valuable set of eyes and hands in the shop to insure that students are working in a safe manner. Duties include but are not limited to the following: making sure safety procedures are followed, supervising and assisting students who are working on vehicles, helping customers with unloading and parking when automobiles are towed in for repair, picking up vehicles from some customers, delivering repaired vehicles to some customers, test driving customer vehicles, being a parts runner when time is of the essence, ordering parts from parts suppliers, helping to make sure tools are cleaned and put away at the end of a job, miscellaneous duties for the paraprofessional including answering the telephone, and providing a leadership role model for Auto I students. This is an elective class.

Business

Financial Principles

001935

One Semester, ½ credit, Grades 9-12 *Freshmen enrolling in the course should have a G.P.A. of 3.0 or higher.*

Does money interest you? Do you wonder how the stock market works? How do you know if the interest on your loan is right? We will discuss financial management principles while gaining an understanding of the larger financial world. You will explore the world of banking; learn about the future value of money, the role of The Federal Reserve, and things to consider before using credit. Financial Principles offers students a variety of hands-on activities to understand the financial world around them. Work outside of class will include studying for exams and homework averaging once a week. **This class (.5 credit) may be used towards the math graduation requirement.**

Business Management

001936

One Semester, ½ credit, Grades 10-12

Do you want to run your own business? Are you interested in majoring in business in college? Get your feet wet and learn the basics of business management. This class presents the general principles of how to operate and manage a business. Topics covered include: forms of business organization, business ethics, business planning, major economic systems, legal requirements, production, marketing, and human resources management. The culminating project for this course is to write a business plan. Students will synthesize classroom learning and interviews with community members to create the business plan. Work outside of class will include studying for exams, researching for the business plan, and homework once to twice a week.

Students enrolling in this course are advised to have already completed Financial Principles and Computer Applications.

Office Management

001980

(Offered only during school years that begin with an odd number i.e. Fall 2011, Fall 2013)

One semester or Full Year, 1/2 or 1 credit, Grades 10-12

Fee: \$12

Prerequisite: Computer Applications or demonstrated computer proficiency

Whether you want to pursue a college degree or enter the workforce in the secretarial field, strong computer skills are essential. This course will focus on software in the Microsoft Office Suite—Word, Excel, and PowerPoint. Students will cover the topics for MOS Core Certification. Students can receive this certification by taking the MOS Core Certification exam for an additional fee. In addition to exploring the software, the course will include office management skills— human relations and records management, telecommunications, and business communications. This is a hands-on class focusing on skill development. As this is a hands-on lab class, there is a minimal amount of work required outside the classroom. Occasionally students will need to study for an exam outside of class, but the majority of the work is done in the classroom, thus attendance is crucial.

Economics

001915

One Semester, 1/2 Credit, Grades 11-12

Why does it cost me so much to fill up my gas tank? Why does my friend make more at his job than I do? Spend time learning about the basic economic principles that affect your everyday life. Some topics to be discussed include: supply, demand, market forces, the role of The Fed, economic systems, and pricing structures. This course will include a brief introduction to micro and macro economics. If you are planning to major in business, finance, political science, marketing, accounting or economics at the collegiate level, this will provide a good introduction. Work outside of class will include studying for exams plus homework once a week. **This class may be used towards the social studies graduation requirement.**

Accounting I

001945 &/or 001946

One Semester or Full Year, 1/2 or 1 credit, Grades 11-12

Fee: \$16 for one semester, \$23 for one year to supply workbook.

Prerequisite: Full-year course is recommended. Must pass first semester with a C or better to take second semester.

Are you interested in business? Do you enjoy math? Exploring the field of accounting may be for you. Whether you want to own a small business, work as a bookkeeper, or get a head start on that first semester of college accounting, this is the course for you. First semester coursework will cover the basic accounting cycle for a sole proprietorship as well as payroll accounting. Second semester will move forward to partnership and corporate accounting. This one-year course will provide you with the fundamentals of accounting principles to prepare you to work in a small business and/or be able to go into the field of accounting with the basic requirements for further study. Work outside of the class will include studying for exams plus homework once a week. **The first semester of this class (.5 credit) may be used towards the math graduation requirement.**

Independent Study Accounting II

003554

One or two semesters, 1/2 credit per semester, Grade 12

Fee: \$16 for one semester, \$23 for one year to supply workbook

Prerequisite: Accounting I and Teacher Approval; IS Contract from guidance office must be completed.

Are you serious about accounting? These courses offer an organization of subject matter designed for students with a determined career objective in the accounting profession. Students will study accounting, accrued interest, deferred revenue, allowance for bad debts, depreciation, etc.

Career, Leadership, Service, & Educational Planning Seminars and Experiences

Athletic Training I

001250 & 001251

Athletic Training II

001252 & 001253

One Semester/Full Year, 1/2 Credit per Semester, 1 credit per year Grades 11-12

Prerequisites: High academic standing in previous science courses, Teacher Approval.

Students who wish to take Athletic Training must be pre-approved by the instructor. All students must serve as helpers at the Montrose Orthopedic Clinic pre-participation physicals.

Athletic training I is designed for first year students. Athletic training II is for advanced students.

Senior Seminar

004330 or 004335

One Semester, 1/2 credit, Grades 11-12

Fee: \$12.00

(Seniors should enroll in first semester classes; juniors wishing to get a head start may take second semester classes only.) This class focuses on choices after high school; two-year, four-year, vocational/technical and career schools as well as military service. Senior Seminar will provide opportunities for students to explore a variety of post education options including looking into what different institutions offer. Students will also have an opportunity to assess their own interests and skills to help them determine a path for their future. The class will help students prepare job and educational resumes and write essays required for many college applications and scholarships. Students will have access to computers and the internet to help construct a portfolio for their documents and to complete a senior project which includes a 5 page research paper, project and presentation.

Montrose High Subject Area Tutor/Mentor

One semester, 1/2 credit (graded Pass/Fail), Grades 11 and 12

Prerequisite: minimum "B" average in all courses, advanced course work in the subject to be tutoring in, approval by your counselor

The MHS Tutor/Mentor program is designed to provide a school-to-career and service opportunity for on-going tutoring and mentoring assistance by juniors and seniors to fellow MHS students experiencing academic difficulty within the context of a regularly-scheduled class. Tutor/Mentors are assigned to a subject area class for one period each semester, and work alongside the teacher of that class in facilitating the learning of those students who require extra assistance. Exemplary attendance and consistent performance as a positive role model, mentor, and tutor are required to earn a passing grade.

Adapted Physical Education Aide**

002735 or 002736

One semester or Full Year, **No Credit**, Grades 11-12*Prerequisite:* Teacher approval/signature

The importance of student aides to the MHS Special Education program is great since the interaction between the special education students, teachers, and student aides is what creates the best learning environment. Student aides must be able to uphold their roles and responsibility and to take them seriously. These responsibilities include: 1) to maintain a high level of enthusiasm throughout the semester, 2) to remain motivated when dealing with handicapped students, 3) to encourage and praise work that is well done, 4) to offer suggestions and share ideas which might benefit the program, 5) to exhibit a positive regard for the students you work with, 6) to respect the confidentiality of every student in the program, 7) to be a positive role model, 8) maintain a good attendance record. **Grade is Pass/Fail and No Credit.** *Students wishing to receive a credit for their PE Aide experience must apply for an Independent Study.*

Student Librarian**

002730 or 002731

One Semester, **No Credit, except via Independent Study**, Grades 10-12*Prerequisite:* Permission of librarian, excellent attendance, and a "C" Average. Resume preferred, see librarian.

This is an opportunity for students that want to learn about the functioning and organization of a library and want to learn about developing a work ethic within the setting of the high school library. Students are expected to have a positive attitude, excellent attendance, good social skills, and a willingness to learn and practice library procedures. Students will be responsible for the automated circulation desk, checking books in and out, and the handling of books, periodicals, and reference materials and AV and computer hardware. Students will also be required to keep stacks in order and help keep the library neat and clean. Telephone skills and filing and information researching will also be part of the job. Students are asked to maintain a journal of their experience and to produce a one page report on two books they read (*one each quarter*) or participate in the Book Club during the semester. **Grade is Pass/Fail and No Credit.** *Students wishing to receive a credit for their library experience must apply for Independent Study.*

Teacher Aide**

002700 or 002701

One Semester, **No Credit**, Grades 11-12*Prerequisite:* Teacher approval/signature

Students work for a specific supervising teacher during a specific class period. Teachers are allowed only one TA per day. Student duties may include such tasks as typing and duplicating materials, grading papers, preparing charts and bulletin boards, setting up science labs, and performing other duties as assigned by the supervising teacher. **Grade is Pass/Fail and No Credit.** *Students wishing to receive a credit for their TA experience must apply for an Independent Study.*

Main Office Student Clerk** 002720 or 002721
Guidance Office Student Clerk** 002722 or 002723

One Semester, **No Credit**, Grades 11-12

Prerequisite: Permission/Signature of Office Supervisor

Student clerks deliver call slips, operate the Xerox machine, answer the telephone, greet the public and do other general office duties. There are two students clerks in the main office and one student clerk in the guidance office per period. Clerks will be responsible for answering the telephone and other clerical duties. Students selected to be clerks would have demonstrated good attendance, honesty, and confidentiality during previous school years. **Grade is Pass/Fail and No Credit.**
Students wishing to receive a credit for their clerk experience must apply for an Independent Study.

****Students may have a maximum of 1 TA or Clerk per day (credit or no-credit). Students may not earn more than 1 credit in TA or Clerk positions during their high school career.** Teachers are not permitted to have more than one TA per day.

COS - CAREER OPTION SEMINARS

COS Internships - Career, Buddy-Up or HELP 004300 or 004305

COS-Work For Credit Cooperative 003050 or 003051

One Semester (one credit) or One Year, (two credits), Grades 11-12

Students must register for two class periods per semester for COS

Work for Credit students may register for 1, 2, 3, or 4 periods, with approval by the COS instructor

Fees: COS Internships - Career, Buddy-Up or HELP Fee: \$10 (defray costs of required presentation materials)

COS-Work For Credit Cooperative Fee: \$5 per scheduled class period (Work Keys Assessments)

***Prerequisite:* Application and approval of COS Coordinator and Counselor**

- Student must have their own transportation. (Special accommodations can be made for placement within walking distance of MHS.)
- Continuation in additional semesters is contingent upon satisfactory completion of all course contract requirements.
- Each student will participate in an orientation the first week of the semester, developing a contract detailing course and credit requirements.

Students will develop workplace knowledge and skills via direct experience working with professionals in a business or community organization. Career Option Seminars also including additional activities through the Career Center.

COS – Career Internship: Students participate in an internship (usually unpaid) in a wide spectrum of career fields and pathways of their interest. Students must complete a minimum of 60 intern hours. Students complete the internship time during two regularly scheduled class periods at MHS. Students will turn in time sheets, evaluations, career related professional reading assignments, a professional portfolio and an end of the semester presentation booth at the COS Showcase (as part of semester final). Students will be placed in an internship aligned with a selected Career Pathway of their interest. Internships earn a letter grade.

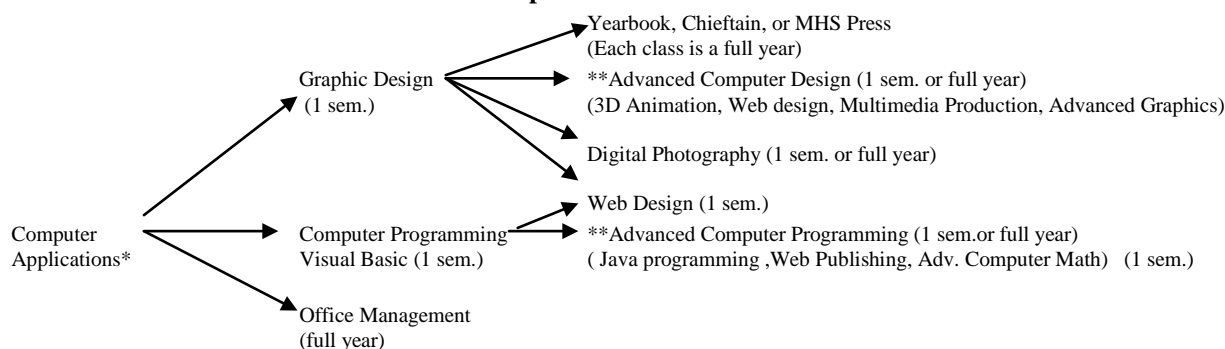
COS – Buddy Up: Students who are interested in a possible career in sociology or psychology are “buddied up” with an elementary student under the direction of Montrose County School District Mental Health Case Managers and other Education Professionals. Buddy Up high school students serve as a mentor for a young student. The experience provides a one-on-one mentoring experience with an elementary aged student who may need support in developing social and relationship skills, being successful at school or dealing with a difficult situation. Students complete their Buddy-Up time at a local elementary school during two regularly scheduled MHS class periods.

COS - HELP – Help Educate Little People: The HELP program is designed to provide juniors and seniors an opportunity to experience real classroom interaction with pre-school, elementary or middle school aged children. Students who are considering a career in teaching or any career which involves working with children would benefit from HELP. Students will work with the Career Center Coordinator for placement in a local school and select a grade level of their interest. High School students will become familiar with strategies for working with children, assist the classroom teacher and also engage in mini-teaching activities. If you like a variety of hands-on activities, observing and interacting with children – this is the class for you!

COS - Work For Credit Co-op: Students obtain their own paid job with Coordinator’s approval prior to the start of the semester and must complete 100 hours of work per WFC class assigned. Students may complete some of their work hours outside of the regularly scheduled school day and on weekends. Students must pass an equivalent number of credits in regular MHS courses to receive credit for WFC. Work For Credit is part of the Colorado Career & Technical Education Program and will be aligned with an approved CTE program and selected Career Pathway. Students will turn in time sheets and evaluations. Students may also be required to complete career related professional reading assignments, a professional portfolio, complete on-line Work Keys Assessments (as part of the semester final). Students will participate in seminars scheduled during the regular school day. Students are encouraged to participate in appropriate CTE related Student Leadership activities such as FBLA, FFA, FCCLA, Skills USA, etc.. Work For Credit Cooperative courses are assigned a letter grade.

Computers

MHS Computer Coursework Flowchart



- * **This class is recommended to fulfill the requirement of the technology credit towards graduation.** Students may be exempt from Computer Applications by demonstrating proficiency on the Computer Applications skill exam. Students who are proficient may choose one of the other approved classes to meet the technology credit requirement.
- ** Advanced computer classes offer multiple avenues of study and may be taken multiple times. Students must receive teacher approval before signing up for the advanced computer classes.

Computer Applications

002605

One Semester, ½ Credit, Grades 9-12
Fee: \$12

This course is recommended for all students as early as possible in your high school career. This is an entry level, beginning computer course with an emphasis on keyboarding and entry level computer skills. If you type with two fingers...If you want to know more about using computers...If you want to be more successful in your personal, high school, college, or career life...Then, this course is for you. The word processing, PowerPoint, and spreadsheet skills learned will be applicable to other classes. This course will count as the computer course recommended for college admissions. As this is a hands-on lab class, there is a minimal amount of work required outside the classroom. Because a large majority of the work is done in the classroom, **attendance is crucial.** **This class is recommended to fulfill the requirement for the technology credit toward graduation.**

Graphic Design

002661

One Semester, ½ Credit, Grades 9-12
Fee: \$15

Prerequisite: Computer Applications

This class is designed to provide students with photo manipulation and graphic design knowledge along with desktop publishing skills. It will be especially useful for students interested in MHS Publications classes—Journalism, MHS Press, Web Publishing, and Yearbook—or anyone who is interested in using sophisticated tools to create high quality designs for publications. Students will work with professional level software for page layout and design to create a portfolio of their own designs. Principles of layout and design, typography, and the preparation of graphics for publication are also covered. Take your artistic talent to a whole new level - go digital! Work outside of class will include studying for exams and reading guides; expect about fifteen minutes of homework daily. This class meets the requirements for a .5 art credit toward graduation.

Digital Photography 003520 & 003521

One Semester or One Year, ½ Credit or 1 Credit, Grades 10-12

Fee: \$15

Prerequisite: Graphic Design. Teacher approval

Digital Photography is an advanced program designed to further increase student's knowledge and skills in PhotoShop and professional digital cameras. Students will explore a variety of techniques and skills involved in photography including exposure, lighting, composition and design, and digital processing. Students will explore digital photography while developing a portfolio which specializes in a genre of their choice. Genre options may include but are not limited to portrait, landscape, action, commercial, documentary, and contemporary. Student evaluation is based on personal portfolios of individual work as well as homework and classwork. This class meets the requirements for a .5 art credit toward graduation.

Advanced Computer Design

002620 & 002621

(Available as independent study only)

One Semester or One Year, ½ Credit or 1 Credit, Grades 10-12

Fee: \$15

Prerequisite: Graphic Design. Teacher approval.

This advanced computer class will allow students to investigate four areas involving computers that are not available in the regular curriculum. Such areas may be, but are not limited to, advanced graphic arts, advanced web design, animation and multimedia production. Students interested in enrolling can preview one or more of the available programs by visiting with Mrs. Gaber in room 105. Students may repeat this course multiple times with a different concentration of study each time. Students in the second semester of the class will choose a focus, independently expand their learning of the chosen professional software, and create a multimedia portfolio. Credit will be given in Advanced Computer-Topics at the end of each semester.

Web Design

002662

(Offered only during school years that begin with an even number i.e. Fall 2010, Fall 2012)

One semester, ½ credit, Grades 10-12,

Fee: \$15

Prerequisite: Graphic Design or (Visual Basic or Java Programming)

Website design on the Internet is one of the fastest growing job areas using computer skills. This course will investigate the development of web pages using Dreamweaver web design software. A background in either graphics design or basic programming is necessary to be successful in this course. Each student will be expected to produce a workable web site that uses tables, links, graphics, and pictures as part of their final project.

Visual Basic Programming 002640
(Offered only during school years that begin with an odd number i.e. Fall 2011, Fall 2013)
 One Semester, ½ credit, Grades 9-12
 Fee: \$15

Prerequisite: Algebra 1 and Computer Applications

The student will receive an introduction in fundamental programming skills on the computer using Visual Basic. The first quarter will emphasize the construction of a program involving both the design and the code phases. The second quarter will introduce such concepts as functions, procedures, nested loops and arrays. The goals of this course include both the development of basic programming skills and the application of those skills to specific problem types.

Advanced Computer Programming 002630 & 002631
 (Available as independent study only)
 One Semester or One Year, ½ Credit or 1 Credit, Grades 10-12
 Fee: \$15

Prerequisite: Instructor approval.

Algebra 1, Computer Applications, Visual Basic Programming, and Graphic Design are recommended based on the chosen course of study. The student will investigate one of three major computer areas. One area is Java Programming 1,2 and 3 as topics culminating in the AP Computer Science Exam in May of each year. Another is Web Design using both HTML and Dreamweaver to construct and publish web sites of the student's interest. Finally, students may enroll in Advanced Math CAS programs with the goal of obtaining credit on the AP Calculus BC Exam given in May of each year. Each of these courses may or may not be independent study courses based on enrollment. Credit will be given in Advanced Computer-Topics at the end of each semester.

Construction, Design, & Engineering Technology

Introduction to Engineering Design (IED) 002365 & 002366
 One Year, 1 Credit, Grades 9-12, priority to grade 9
 Fee: \$30

Prerequisite: "B" average or higher in Algebra I or higher math and "B" average or higher in prior year science class

Students will use a problem-solving model to improve existing products and invent new ones. Students will learn how to apply this model to solve problems in and out of the classroom. Using sophisticated three-dimensional modeling software, students communicate the details of the products. Emphasis will be placed on analyzing potential solutions and communicating ideas to others.

Principles of Engineering (POE) 002360 & 002361
 One Year, 1 credit, Grades 10-12, priority to grade 10
 Fee: \$30

Prerequisite: Introduction to Engineering Design.

Students will explore technology systems and engineering processes to find out how math, science, and technology help people. This course is project-based and hands-on to expose students to the key elements and skills of technology and engineering careers.

Civil Engineering and Architecture (CEA) 002368 & 002369
 One Year, 1 credit, Grades 11-12
 Fee: \$30

Prerequisite: Successful completion of IED and POE

This overview of the fields of civil engineering and architecture emphasizes the inter-relationship and mutual dependence of both fields. Students use state-of-the-art software to solve real world problems and apply knowledge to hands-on projects and activities. By developing and implementing plans for a local property site, students will experience firsthand job responsibilities of architects and civil engineers. By the end of the course, students will be able to give a complete presentation to the client, including three-dimensional renderings of buildings and improvements, zoning and ordinance constraints, infrastructure requirements, and other essential project plans.

Computer Assisted Drafting 002350
 One semester, 1/2 credit, Grades 10-12
 Fee: \$15

Prerequisites: Introduction to Engineering Design

Students will cover two dimensional drafting, advanced dimensioning techniques, pictorial drafting, 3-D wire frame, surface modeling, rendering and solid modeling. A solid drafting background is recommended before taking this class, as we will be learning computer applications of drafting rather than basic drafting skills.

Woodworking I 002304
 One semester, 1/2 credit Grades 9—12

Fee: \$25, plus \$20- \$60 for final project materials

This is an entry level woodworking class. This course will focus on basic woodworking techniques, measuring in inches and metric accurately, figuring board feet, layout of designs on paper and wood, following directions for a completed project, and the importance of safety on the job site.

Woodworking II 002305
 One Semester, ½ Credit, Grades 10 – 12
 Fee: \$15

Prerequisite: B or higher in Woodworking I

Woodworking II will focus on cabinetry and advanced joints. This class will build a basic nightstand with a covered cut base and a paneled door. \$70 - \$100 will be required from each student to pay for materials and lumber used to finish this project.

Family & Consumer Science

Child Development and Parenting

002120

One Semester, ½ Credit, Grades 9-12

Fee: \$5

Would you like to understand what makes kids “tick”? This class will give you an overall introduction to the world of children. Learn about the developing child from before birth through infancy, toddler, and preschool years. Examine physical, emotional/social as well as an intellectual development. Students will be assigned Internet projects, hands on activities and group/individual assessments. Students will also participate in the “Baby—Think It Over” program in which they will check out a computerized baby simulator doll for a specific period of time. In addition, all students will complete a home project outside of class time showing mastery of concepts learned in the course.

Family Matters

002130

One Semester, ½ Credit, Grades 9-12

Life can be confusing! Learn how to cope with life and its many problems. The focus of this class is the family, understanding one’s self and others, and being able to recognize the components of a healthy and satisfying relationship. Personal relationships, dating, marriage preparation, and adjustments in marriage are part of building healthy family units as well as learning effective communication and coping skills. Students are expected to contribute to classroom discussions, complete textbook readings and assigned group research projects and presentations. In addition, all students will complete a home project outside of class time showing mastery of concepts learned in the course.

Foods and Nutrition

002105

One Semester, ½ Credit, Grades 9-12

Fee: \$15

Would you like to learn the basics of good nutrition and how diet affects health and vitality? In this class you will learn how to prepare a variety of foods along with studying sports nutrition, eating disorders, and other related topics. Learn something about your American food heritage as well as an appreciation of specific cultural food patterns from other parts of the world. Students will be assigned written activity pages and study guides. Any food labs that are missed will need to be completed at home and verification presented to the teacher. In addition, all students will complete a home project outside of class time showing mastery of concepts learned in the course.

Living on Your Own

002141

One Semester, ½ Credit, Grades 10-12

Do you plan to go to college or live on your own after graduation? If so, this course is a must! Investigate career interests and opportunities, learn the fundamentals of a job search, resume techniques, applications, and interviewing skills. Learn how to balance your checkbook, set up a budget and buy necessary insurance. Students will also explore buying a car, renting an apartment, and planning meals. Textbook reading, worksheets and Internet projects will be assigned. Students will also do a small research project on a career that interests them. Since emphasis in this class is on “real-life” experiences, students will take field trips to visit local businesses and listen to guest speakers. In addition, all students will complete a home project outside of class time showing mastery of concepts learned in the course.

Journalism, Mass Media & Publishing

Beginning Journalism

001070

One Semester, 1/2 Credit, Grades 9-12.

This course explores both print and broadcast journalism. Students will explore media history, ethics, and societal effects as well as receive instruction in interviewing techniques, journalistic style (news, feature, sports, editorial), photography, advertising and video productions. Students will learn how to layout and design various pages and advertisements for newspaper. Interaction with local media businesses is possible via guest speakers and/or field trip tours. Students will be expected to complete some assignments outside of class time. Beginning Journalism is designed to give you the skills needed to be successful as a staff member of Chieftain, Channel M or yearbook.

Advanced Journalism

002056 & 002057

One Semester/Full Year, ½ Credit per Semester, Grades 10-12.

Prerequisite: Application. A grade of “C” or better in Beginning Journalism. *Students are selected for this class in February of the previous year.*

Advanced Journalism explores both print and broadcast journalism. The main function of this class is to produce the monthly publication of the school newspaper, The Chieftain, and to produce Channel M, a MHS weekly news broadcast. The class is set up similar to a news room with anchors, writers, directors, editors, camera operators, reporters, technicians, and business managers. Students will write news, feature, editorial and sports articles for print and broadcast scripts. The staff will also work with internet and desktop publishing, advertising, and video production. If you are interested in journalism, writing, communications, or current events, then this course is designed for you. Students need to apply for specific positions (Chieftain, Channel M, or both). Pick up applications from Mrs. Gaber. **Applications must be turned in to Mrs. Gaber AND you must be accepted PRIOR to registering for this course.**

Annual Staff

001077 & 001078

Full year, 1 Credit, Grades 10-12

Prerequisite: Application. *Students are selected for this class in February of the previous year. Selection is based on faculty feedback.*

The function of this class is to produce the school yearbook. Ad sales, writing, copy editing, proofreading, headlines, captions, photography and layout are a part of the curriculum. Most layouts, copy and design work is done in class on computer; however, students may be required to work outside of class as deadlines approach. Students are also expected to attend after school activities to photograph the events and capture the spirit of these events in writing. If you are interested in journalism, writing, communications, current events, graphic design, or photography, then this course is designed for you. Pick up applications from Mrs. Wittenberg. **Applications must be turned in to Mrs. Wittenberg AND you must be accepted PRIOR to registering for this course.**

MHS Press

001095 & 001096

One Semester/Full Year, ½ Credit per Semester, Grades 10-12.

Prerequisite: Graphic Design. Application. *Selection of students for this class is done in February of the previous year.*

MHS Press is a student-run desktop publishing service offered to the faculty and staff of Montrose School District RE-1J, and to community service groups in Montrose. Students in the class must have completed a graphic design class and exhibited computer expertise. Students create business cards, stationary, certificates, membership cards, letterheads, parent newsletters, literary magazines, charts, reports, brochures, elementary yearbooks, calendars, etc. as per requests. MHS Press is a great opportunity to gain some real world experience and develop your design portfolio. This class is scheduled during **zero hour only**. Pick up applications from Mrs. Gaber. **Applications must be turned in to Mrs. Gaber AND you must be accepted PRIOR to registering for this course.**

Visual Arts

TWO-DIMENSIONAL ART CLASSES: Visual Arts classes are for students with an interest in learning the discipline of creating fine art.

Introduction to Art

001710

One Semester, ½ Credit, Grades 9-12
Materials Fee: \$20

This course is the prerequisite for Design I and Drawing and Painting I.

Introduction to Art is an overview of drawing, painting and design. Students will explore a variety of art materials, which may include graphite, colored pencil, pastels, ink, paper and water based paint media. This course prepares students for the upper level drawing and painting, and design classes. This course meets the requirements for a Fine Arts credit towards graduation.

2-D Design I (Intermediate)

001730

One semester, 1/2 Credit, Grades 9-12
Materials Fee: \$20

Prerequisite: Introduction to Art

Further exploration of design principles through a study of letters, printmaking, paper folding and cutting, and drawing techniques. A variety of materials will be used, including pencils, pens, brushes, presses and unusual tools.

2-D Design II (Advanced)

001731

One Semester, ½ Credit, Grades 10-12

Prerequisite: "C" average in both Introduction to Art and 2-D Design I

Materials Fee: \$20

Students will combine the skills learned in 2-D Design I to create a series of projects of their own design.

Drawing and Painting 1 (Intermediate)

001715

One Semester, ½ Credit, Grades 9-12
Materials Fee \$20

Prerequisite: Introduction to Art

Drawing and Painting 1 will focus the student on improving their abilities with drawing and painting techniques. Projects will be completed in a variety of media and will develop the students understanding of art elements and principals. Composition, lighting, perspective, gridding, craftsmanship and color theory will be explored. Some of the art materials may include graphite, charcoal, colored pencil, ink, pastels, water color and acrylic paints. This class meets the requirements for a Fine Arts credit towards graduation.

Drawing & Painting 2 (Advanced Studio)

001716

One Semester, 1/2 Credit, Grades 10-12

Prerequisite: "C" average in both Introduction to Art and Drawing and Painting I.

Materials Fee: \$20

This advanced class will provide a "studio" experience and allow for some specialization and refinement of skills in the student's preferred media. Projects will challenge the student to develop a greater understanding and application of art elements and principals. Students will explore thematic elements, self expression, and develop skills to incorporate them into their art work. This class meets the requirements for a Fine Arts credit towards graduation.

Digital Photography

003520 & 003521

One Semester or One Year, ½ Credit or 1 Credit, Grades 10-12

Fee: \$15

Prerequisite: Graphic Design. Teacher approval

Digital Photography is an advanced program designed to further increase student's knowledge and skills in PhotoShop and professional digital cameras. Students will explore a variety of techniques and skills involved in photography including exposure, lighting, composition and design, and digital processing. Students will explore digital photography while developing a portfolio which specializes in a genre of their choice. Genre options may include but are not limited to portrait, landscape, action, commercial, documentary, and contemporary. Student evaluation is based on personal portfolios of individual work as well as homework and classwork. This class meets the requirements for a.5 art credit toward graduation.

THREE-DIMENSIONAL ART CLASSES

Ceramics I

001720

One Semester, ½ Credit, Grades 10-12
Materials Fee: \$20

Prerequisite: None

Ceramics I is an introduction to the methods of designing hand-built pottery, sculpture, and beginning techniques of throwing on the potter's wheel. Students will construct pinch, coil and slab projects and expand construction techniques through the use of combined processes. Emphasis is placed on constructing forms with clay. Basic techniques of glazing and firing procedures are incorporated throughout the course. This class meets the requirements for a Fine Arts credit towards graduation.

Ceramics II

001725

One Semester, ½ Credit, Grades 10-12
Materials Fee: \$20

Prerequisite: Pass Ceramics I with a "C" or better

Ceramics II allows students to explore the building method they preferred in ceramics I. An introduction to artistic composition through the study elements of art and principles of design. Advanced methods of hand-built construction and techniques of throwing on the potter's wheel will be developed. Students will construct more complex projects and the Raku firing process will be introduced and utilized. This course will explore the use of glazing and slip design as well as the pit firing process. Emphasis will be placed on the study of aesthetics and finding the balance between Form versus Function. This class meets the requirements for a Fine Arts credit towards graduation.

Advanced Ceramics

001735 or 001736

First or second semester, 1/2 credit, Grades 11-12
Materials Fee: \$20

Prerequisite: "B" average in both Ceramics 1 & 2 and teacher interview required.

This is an advanced program designed to further increase student's knowledge and ability in the techniques and skills involved in ceramic arts. Students will be required to generate individual project ideas to explore personal objectives. A digital portfolio of student work will be prepared. Students will develop skills in functional and non-functional ceramics as well as increasing their understanding of glazing techniques. The advanced pottery student will select from a variety of firing processes, including Raku and gas reduction, to complete their work. The student will also gain practical experience in loading and firing ceramic kilns. This class meets the requirements for a Fine Arts credit towards graduation.

Foreign Languages

French I 001520 & 001521

Full Year, 1 Credit, Grades 9-12

In French I students will learn to communicate their basic feelings, needs, and desires in most everyday contexts. They will learn authentic expressions with correct accent and grammatical accuracy and will be exposed to different aspects of the French culture. Students will acquire the four basic skills of reading, writing, listening, and speaking using the French language through the methodology of TPRS (Teaching Proficiency through Reading and Storytelling).

French II 001525 & 001526

Full Year, 1 Credit, Grades 10-12

Prerequisite: "C" average in full year of French I

Students will continue to expand their vocabulary while mastering deeper levels of the structure of the French language. All four basic skills: speaking, listening, reading, and writing are expanded. The course will further immerse the student in the French culture with an emphasis on art and famous people.

French III 001530 & 001531

Full Year, 1 Credit, Grades: 11-12

Prerequisite: "C" average in full year of French II

Third year in French will emphasize the development of fluency in communication, while continuing the acquisition of more complex sentence structure. Students will be exposed to French literature through short reading selections and will continue to discover the French culture through its art and history.

AP French Language 001535 & 001536

One year, one credit, Grade 12

See Foreign Language Level 4 Description – AP class

German I 001500 & 001503

Full Year, 1 Credit, Grades 9-12

Prerequisite: Strong background in English

The student will be able to recognize common words and expressions and will be able to form simple sentences demonstrating the correct usage of basic vocabulary. Equal emphasis is placed on acquiring the four basic skills of listening, speaking, reading, and writing. Students will acquire German through contextualized language practice.

German II 001501 & 001504

Full Year, 1 Credit, Grades 10-12

Prerequisite: "C" average in full year of German I

A review and expansion of the structures and vocabulary presented in the first level will be added to major concepts essential for mastering communication. Conversation and reading selections continue to deal with everyday situations and culture aspects to broaden the student's understanding of the German people.

German III 001502 & 001505

Full Year, 1 Credit, Grade 11-12

Prerequisite: "C" average in full year of German II

Great emphasis is placed on communication. Expansion of vocabulary and structures will enable the student to express himself more fluently in everyday situations and to increase his ability to express himself in writing, and using more complex sentence structure. The student will continue to explore life styles and regional differences in German-speaking countries and will be introduced to German literature through short reading selections. Field trips may be a part of the curriculum.

AP German Language 001506 & 001507

One Year, one credit, Grade 12

See Foreign Language Level 4 Description – AP class

Spanish I 001510 & 001513

Full Year, 1 Credit, Grades 9-12

The student will be able to recognize common words and expressions and will be able to form simple sentences, demonstrating the correct usage of basic vocabulary. Equal emphasis is placed on acquiring the four basic skills of listening, speaking, reading, and writing. Students will acquire additional learning through hands-on projects and the methodology of TPRS.

Attention: As the first two years of Spanish are based on acquisition of basic vocabulary, it is **required** that native Spanish speakers DO NOT take these classes but instead start their foreign language studies in "Spanish for Native Speakers" after which they may take Spanish III and then AP Spanish.

Spanish II 001511 & 001514

Full Year, 1 Credit, Grades 10-12

Prerequisite: Full year of Spanish I with a "C" average or higher.

The student will learn to recognize and use increasingly complete syntactic patterns in speaking, listening, reading and writing with an expanded vocabulary.

Attention: As the first two years of Spanish are based on acquisition of basic vocabulary, it is **required** that native Spanish speakers DO NOT take these classes but instead start their foreign language studies in "Spanish for Native Speakers" after which they may take Spanish III and then AP Spanish.

Spanish III 001512 & 001515

Full Year, 1 Credit, Grades 11-12

Prerequisite: Full Year of Spanish II or Spanish for Native Speakers with a "C" average or higher.

The student will demonstrate competency in Spanish, conversing and writing more freely and accurately with an increasing vocabulary. The student will recognize and use correctly all basic syntactic forms in listening, speaking, reading and writing. Students will be exposed to selections of Spanish literature ranging from simple to more complex. Homework will consist of reading assignments, short compositions, grammar study, and projects. Field trips may also be a part of the curriculum.

AP Spanish Language 001516 & 001519

See Foreign Language Level 4 Description – AP class

One year, one credit, Grade 12

Spanish for Native Speakers 001555 & 001556

Full year, 1 credit, grades 9-12

Prerequisite: Students should demonstrate a very high level of *oral fluency* and *basic literacy* in Spanish.

This class, taught in Spanish is an integrated language arts class designed to help students already proficient in Spanish (native speakers or developed second language learners) with skills in listening, speaking, reading and writing. Students are introduced to specific and necessary grammatical concepts. Emphasis is placed on the refinement of reading and writing skills. Students will develop the ability to express ideas in a formal Spanish language setting. Students will have the option to follow up with Spanish III and then AP Spanish.

La Vida Chicana 001560

One Semester, ½ Credit Foreign Language or Social Studies, Grades 9-12

Prerequisite: Students need to demonstrate a high degree of fluency in Spanish. For non-native Spanish Speakers, a full year of Spanish 3 with a “B” average is required.

La Vida Chicana is a semester long course **taught in Spanish** that will explore how Latinos in the United States have contributed to our country’s development and culture. The course will examine famous Latinos and cultural movements from the Aztec Empire to the present. Topics include famous Hispanic muralists, Caesar Chavez, Salsa, Low riders, and more.

Advanced Placement Foreign Language Level 4**Prerequisite:** B average in the third year of the language being taken

This course is designed to continue the development of proficiency in the four skills introduced in Level 1,2,3: listening, speaking, reading and writing. The goal at this level is to build on and refine what has already been learned, so that the students can use the foreign language as a tool to communicate with others in written or oral form as spontaneously as possible. The class will be taught exclusively in the target language. Students will also use a variety of resources such as the Internet, music, radio stations, video and tapes. They will learn and review the different grammar topics in context through their writing and speaking. They will read and discuss a variety of texts from different sources such as magazines, online newspapers, their favorite novels or modern literary selections. Students will be required to write regularly; the focus will be to develop mastery in the target language through personal journal, summary of a story or article, or an essay. They will improve their speaking skills and practice the use of higher level vocabulary and structure by developing stories, holding discussions and giving presentations.

High school students who complete the AP Level 4 Foreign Language course will be able to

- comprehend formal and informal spoken foreign language;
- **acquire vocabulary and structures to allow the easy accurate reading of newspaper and magazine articles, as well as a variety of literary pieces ;**
- compose expository passages; and
- express ideas orally with accuracy and fluency.

Students will have the option to take the Advance Placement Test in the spring and possibly receive College credit.

Music and Performing Arts

Color Guard 002470 &/or 002471

One Semester or Full Year, ½ credit per semester, grades 9-12

Fee: \$40 band fee per semester plus some additional uniform component purchases.

Prerequisite: Audition held prior to each semester.

Color Guard is a class for students interested in dance and other forms of physical and musical expression, and includes the use of flags and other equipment. Students will be learning and designing routines, using a variety of different equipment, to perform with the MHS band or with pre-recorded music. The fall color guard, as part of the marching band, begins in late July/early August with a multi-day band camp, and meets for a weekly night rehearsal once the school year begins. This group performs at all home football games as well as three regional and state contests and numerous parades. Attendance at camp (fall semester only), rehearsals, and performances is a requirement of this class. After marching season, the color guard will be involved in Winter Guard performances and other similar activities for the rest of the school year.

Music & Life 002466

Either semester, ½ credit, grades 9-12

This class is aimed at students interested in learning about music that have little or no performing background. It will explore the roles of music in areas such as culture, movement, emotions, religion, performances, and humanity. All styles and genres of music will be covered, including multiple hours of music listening examples.

Marching Band 002415

Fall semester only, ½ Credit, Grades 9-12

Fee: \$60 band fee, additional \$25 instrument rental fee if the student uses a school instrument

Prerequisite: Two years previous experience or permission of the director

Marching Band is a class in two parts – marching band during the 1st quarter and concert band during the 2nd quarter. The marching band begins in late July/early August with a multi-day band camp, and meets for a weekly night rehearsal once the school year begins. This group performs at all home football games as well as three regional and state contests and numerous parades. Attendance at camp, rehearsals, and performances is a requirement of this class. During the 2nd quarter, the band moves inside and learns concert band literature for a December performance.

Symphonic Band 002446

Spring semester only, ½ credit, Grades 9-12

Fees: \$20 band fee, additional \$25 instrument rental fee if the student uses a school instrument.

Prerequisite: Two years previous experience or permission of the director

Symphonic Band is the second level concert band at Montrose High School. This class traditionally consists primarily of underclassmen, and is the larger of the two spring semester concert ensembles. Attendance at performances outside of the school day is a requirement of this class. This band will be performing medium level concert band literature.

Wind Ensemble 002416

Spring semester only, ½ credit, Grades 9-12

Fees: \$20 band fee, additional \$25 instrument rental fee if the student uses a school instrument.

Prerequisite: Audition (held during the fall semester)

Wind Ensemble is the top concert band at Montrose High School. Traditionally, this class consists of students from all grade levels, and is the smaller of the two spring semester concert ensembles. Attendance at performances outside of the school day is a requirement of this class. This band will be selected by recorded auditions during the fall semester and will be performing advanced level concert band literature.

Jazz Band I 002435 & 002436

Full year, 1 credit, grades 9-12

Fees: \$20 band fee per semester, \$25 instrument rental fee if the student uses a school instrument, plus \$20 for red Converse shoes. Band and rental fees are NOT cumulative with enrollment in multiple band classes.

Prerequisite: Audition required. Students are selected for this class by audition during the spring semester of the previous year. Jazz I is the top level jazz band at Montrose High School and is designed for students to study and perform medium and advanced level jazz literature. The primary focus of the class is on performance, with an emphasis on jazz improvisation and jazz history. Attendance at numerous performances outside of school time is a requirement of this class.

Jazz Band II 002439 & 002440

Full year, 1 credit, grades 9-12

Fees: \$20 band fee per semester, \$25 instrument rental fee if the student uses a school instrument. Band and rental fees are NOT cumulative with enrollment in multiple band classes.

Prerequisite: Audition required. Students are selected for this class by audition during the spring semester of the previous year. Jazz II is the second level jazz band at Montrose High School and is designed for students to study and perform easy and medium level jazz literature. The primary focus of the class is on performance, with an emphasis on jazz improvisation and jazz history. Attendance at numerous performances outside of school time is a requirement of this class.

Bel Canto Singers 002455 & 002456

Full Year, 1 Credit, Grades 10-12

Fee: Cost of Apparel

Prerequisite: Audition

Students are selected for this class during the previous year. You must be accepted into the class PRIOR to signing up for the class on the registration form.

Bel Canto Singers is a show choir – a small, select group that prepares and provides musical entertainment for school and community groups and events. The group gives numerous performances in the community and on tour. Members of Bel Canto Singers are selected through audition and are also members of Chamber Choir. Each Bel Canto Singer is responsible for buying their outfit at a cost of \$80 to \$130. **The group meets before school from 7:15–8:20 Monday, Tuesday, Thursday, and Friday (no Wednesdays).**

Chamber Choir 002425 & 002426

Full Year, 1 Credit, Grades 10-12

Fee: \$10.00 per semester (uniform fee)

Prerequisite: Audition and teacher approval

Male and female students are selected for this class during the previous year. You must be accepted into the class PRIOR to registering for the class on the registration form.

Men's Choir 002412 &/or 002413

One Semester or Full Year, ½ Credit per Semester (director recommends full year), Grades 9-12

Fee: \$10.00 per semester (uniform fee)

Men's choir is open to all boys with or without previous singing experience. Students will learn basic music theory with an emphasis on learning proper choral techniques.

Music Theory 002450 &/or 002451

Fall semester or full year, ½ credit per semester, grades 10-12

Prerequisite: Ability to read music, teacher approval. Must take 1st semester in order to enroll in 2nd semester.

Music theory is an academic class for students with a serious interest in improving their musical knowledge and skills. Students will study basic music reading: scale, triad, and interval construction; rhythm analysis; 4-part composition; and analyzing cadences in music. Ear training will be a component of the class, focusing on scale and interval recognition. Second semester is a continuation of first semester with an emphasis on cadences and 4-part writing, with an original musical composition as a culminating project.

Treble Choir 002405 &/or 002410

One Semester or Full Year, ½ Credit per Semester (director recommends full year), Grades 9-12

Fee: \$10.00 per semester (uniform fee)

Treble choir is open to all girls with or without previous singing experience. Students will learn basic music theory with an emphasis on learning proper choral techniques.

Women's Honor Choir 002430 & 002431Full Year, 1 Credit, Grades 10-12, (some 9th)

Fee: \$10.00 per semester (uniform fee)

Prerequisite: Audition and teacher approval.

Students are selected for this class during the previous year. You must be accepted into the class PRIOR to registering for the class on the registration form.

Open only to women with previous background in music. Must be able to read music, vocal scores, and have previous singing experience using solfeg syllables.

Theatre Arts 0010801 semester, .5credit, Grades 10-12 **This class meets the graduation requirement for Fine Arts credit**

Instruction in this course enables students to: (1) imaginatively express thoughts, feelings, moods, and characters; (2) apply techniques involving voice, gesture, facial expression, and body movement to reproduce characterization and plot through acting modes; (3) Students are introduced to warm-up activities for body and voice, including mime activities. Students develop skills enabling them to speak clearly and expressively with appropriate voice mechanics. Activities enable students to (1) improvise dialogue that produces characterization in a variety of setting and forms; (2) identify the physical, social, and psychological dimensions and qualities of characters in texts of plays; (3) create consistent characters from a variety of theatrical works. It explores varying aspects of the art of theatre, including acting (pantomime, improvisation, character analysis, monologue, and scene work), stage management, play-writing, directing, and limited technical aspects. All activities lead to the final

Naval Junior Reserve Officer Training Corps

Program Overview

NJROTC is a training program based on leadership, teamwork, citizenship, and self-discipline. The values of the NJROTC program are honorable conduct, moral courage, and a commitment to excellence. In this program the Navy provides all uniforms, books, and training aids free of charge. A student who becomes a Cadet in the program is NOT obligated to the Navy in any way other than the expectation of good citizenship. The instructors in this program do NOT recruit for the military; however, they can be of great assistance to anyone desiring a career in the military. Through this program students may also enjoy an added advantage with regard to college ROTC scholarships and appointments to military academies. The program's curriculum is one of 'expeditionary learning' (hands-on) in which the study of Naval Science has 60% of the training being leadership, teamwork, navigation, seamanship, etc. while the remaining 40% includes conduct, uniform, drill, and physical fitness training. A Navy officer type uniform is worn once a week and when designated by the Naval Science instructors. Specific dress and grooming standards apply. Voluntary extracurricular activities include Academic Team, Physical Fitness Team, Rifle Team, Drill Teams, Orienteering Team, and Color Guard. These teams compete on-site and also travel for competition as well as showing the Colors at many community events.

Introduction to Naval Science 002501 & 002502

Semester or Full Year, 1/2 credit per semester, Grade 9

Cadets study the basics of leadership, naval orientation, sea power, naval history, maritime geography, navigation (orienteering), health education, 1st aid, and drug abuse prevention along with physical training, marching drill, and citizenship. It also includes educational and informative field trips to the Air Force Academy, Fort Carson, Naval Reserve Centers, Army National Guard facilities, and other military installations including a Spring field trip focused on orientation and training. Completion of both semesters of the "Introduction" course satisfies the freshman-level physical education requirement.

Naval Science Gold 002515 & 002516

(Offered only during school years that begin with an even number i.e. Fall 2010, Fall 2012)

Semester or Full Year, 1/2 credit per semester, Grades 10-12

In the first semester, Cadets will study maritime history to include the impact of sea power on western civilization and its importance in the history and future of the United States. In the second semester, Cadets will study the nautical sciences to include maritime geography, oceanography, meteorology, astronomy, and physical science. Throughout the course, Cadets will learn how to develop a growing sense of pride in the program, school, community, and nation through leadership and teamwork.

Naval Science Blue 002510 & 002511

(Offered only during school years that begin with an odd number i.e. Fall 2011, Fall 2013)

Semester or Full Year, 1/2 credit per semester, Grades 10-12

In the first semester, Cadets will increase their naval knowledge by studying modern sea power, national security, naval operations, naval logistics, military law, and the international law of the sea. In the second semester, Cadets will study ship construction, damage control, shipboard organization, watch standing, basic seamanship, navigation, rules of the road, maneuvering board, and naval aircraft. Throughout the course, Cadets will learn how to develop a growing sense of pride in the program, school, community, and nation through leadership and teamwork.

Naval Science Enrichment 002525 & 002526

Full Year, 1 Credit, Grades 10-12

Prerequisite: Naval Science Instructor approval

Naval Science Enrichment is a training program focused on military precision and exhibition drill, ceremonies, physical training, and community service. This class involves field trips for community performances and inter-school competition in military drill, athletic, and academic events. Cadets will form teams to execute precision exhibition of armed and unarmed competitive drill and color guard performances. In addition, teams will participate in academic, athletic, and rifle competition. Cadets will perform at civic, school, and military ceremonies. Additional duties will require participation in community service projects. Course may be repeated.

Naval Science: Project Sail 002555 & 002556

One semester or full year, Grades 9-12

Project Sail incorporates real-world project management in a learning environment of leadership and teamwork. To this end it provides active, inquiry-based educational activities. The primary objective of this course is to educate students in the efficiencies of teamwork combined with strategic business planning. These activities will develop process skills in critical thinking, decision making, and creative problem solving. The course begins with an examination of group dynamics with regard to leadership and teamwork and is then extended to the application of these elements in the strategic planning process. Students will then study the elements of wooden boat design including form, line, buoyancy, and stability. Students devise their Project Objectives and Milestones (POAM) to coincide with the course schedule of events and determine the individual responsibilities for the project within the group. With instructor approval of the POAM, construction begins as does a parallel course of study progressing through the language of sailing, sails, wind sense, getting underway, seamanship, rules of the road, knots, navigation, weather, and emergencies. Prior to completion of the project each student is required to complete the Colorado Small Boat Safety Course. The course culminates with the launching and successful sailing of the project sailboats by all students in the course.

Advanced Naval Science 002520 & 002521

Full Year, one credit, Grade 12

Prerequisite: Senior Naval Science Instructor approval

Advanced Naval Science is the study and application of the fundamentals of leadership based on historical examples, both modern and classical. The curriculum emphasizes the development of leadership skills, techniques, attitudes, and philosophies. It is a practical application of communication and presentation skills as well as career planning. Cadets will also be trained in project management with regard to teamwork and strategic planning to the extent that they select, manage, and complete a "Senior Project" that will benefit the entire unit. At this level Cadets are expected to exercise leadership within the unit structure, particularly at official functions/field trips.

Other Programs

DELTA-MONTROSE TECHNICAL COLLEGE HIGH SCHOOL PROGRAMS

Computer Repair and Cisco Network Academy @Delta-Montrose Technical College)*

Full Year, 2 Credits (two periods per semester), Grade 12

Prerequisite: seniors only, application, transportation.

This course will give students background information and knowledge regarding computer servicing and the networking of computer systems. A strong math, reading, writing, and science background is a must for this class. First semester is devoted to the computer service component. In the second semester, through Cisco's on-line course in a lab setting, students will develop the skills needed to design, build, and maintain small to medium size networks. Upon successful completion, students can enter the workforce or further their education in the computer field. Classes are scheduled in the evening.

Cosmetology @ Delta-Montrose Technical College*

Full Year, 4 Credits (four periods per semester), Grade 12, Fee: approx. \$700.00 for the cosmetology kit. (Payable to Delta Voc-Tech as soon as you have been accepted)

Prerequisite: seniors only, application, transportation.

Cosmetology is an instructional program that prepares individuals to care for hair, complexion, and hands using various techniques. Students must complete 1450 clock hours as specified by Colorado Barber/Cosmetology Board. The breakdown for these areas are as follows: Sanitation, Sterilization and Safety, Permanent Waving and Chemical Relaxing, Hair Styling, Hair Pressing and Hair curling, Facials, Massage and Make-up, Shampoo and Scalp Treatment, Hair Tinting and Bleaching, Hair Cutting, Law, Management, Ethics and Salesmanship, Manicuring, Pedicure and Artificial Nails, Occupational Updates. Approximately 550 hours could be accomplished during the student's senior year, leaving an additional 900 hours to be completed after high school graduation. A student may enroll in this program the summer *prior* to their senior year. This enrollment would be at the student's expense and would *not* constitute high school credit. However, if the student did so, the student might be able to complete the majority of the cosmetology program by the end of their senior year.

Medical Prep Program @ Delta-Montrose Technical College*

Full Year, 4 Credits (four periods per semester), Grade 12

Prerequisite: seniors only, application, transportation.

The **Nursing Track** program instructs students in all basic nursing skills, how to make and report observations about patients, communication skills, basic human anatomy and physiology, nutrition, and job seeking skills. Students are provided the opportunity to apply his/her skills in hospital and nursing home settings under direct supervision of the instructor. The **Open Track** program also includes exploration of other health occupations, i.e., physical therapy, medical technology and X-ray technology. All students participate in the health related student organization, Health Occupations Students of America. Second Semester, starting the 7th week, the students interested in other fields of the Medical careers, such as Dental Assistants, Vet Tech, etc, will continue in internship areas rather than the CNA program.

Visit the Guidance Office for information about any other DMTC program you may be interested in as a senior, including Therapeutic Massage, Emergency Medical Technician, Landscape Design, Architectural Design, and Early Childhood Professions..

Driver Education and Training

One Semester (or summer equivalent), ½ Credit, Grade 9-12

Course registration is directly with the teacher. Do not register for this course on your registration form! Contact Mr. Tom West Montrose High School to register (249-6636).

Fee: \$150.00 (Payable at the first class session.), make checks out to Montrose School Dist. RE-1J. No refunds after first class meeting.

Prerequisite: The student must have a valid learner's permit before the driving phase (check state drivers manual for regulations).

Offered both semesters during the school year (7:00 a.m.-8:00 a.m. daily).

English as a Second Language Program

This program is designed for students whose first language is other than English.

ESL courses include introductory English, English 1 and 2, geophysical science, biology, early American and modern American history, and study skills. All courses except study skills apply to the appropriate area of graduation requirement. See your current ESL teacher for an additional course registration form and guidance on the correct courses to select for next year.

Special Education Program

Students must be referred and staffed through a formal meeting to gain entrance into the special education services program. Credit units for individualized special education services are applicable for graduation requirements as arranged by the staffing team. Courses are designed to meet the individual needs of the student, and where appropriate, taught by special education staff. Every effort is made to educate students in the least restrictive educational environment. Special education classes include academic tutorial, adapted physical education, language arts, living skills, math, reading, science, social skills, social studies, work experience studies, and transition. See your current case manager for an additional course registration form and guidance on the correct courses to select for next year.

Academic Prep Counselor and Parent approval required

One Semester or Full Year, **No Credit**, Grades 11-12 only

Eligibility Criteria: 1) adequate progress towards graduation and 2) minimum cumulative GPA of 2.0. Junior students may have only 1 Academic Prep period per semester. Senior students who meet the criteria may have more than 1 Academic Prep during Spring semester. Seniors are advised to double check their graduation status and to check NCAA and college admission requirements before applying for more than 1 Academic Prep. All students requesting Academic Preps must obtain parent permission and a counselor's signature on their course selection forms.

Notes