

Moberly Spartans

Moberly High School

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 Neil Gudehus, Assistant Principal
 Kenny Seifert, Athletic/Activity Director
 Jean Anderson, A+ Coordinator
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Moberly Area Technical Center

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Course Descriptions 2010-2011

Moberly High School

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GRADUATION REQUIREMENTS

Class of 2011 and beyond will be under the following graduation requirements:

I. 24 units of credit which shall consist of:

- | | |
|---|----|
| a. Language Arts | 4 |
| b. World History | 1 |
| c. Amer. Studies | .5 |
| d. Government | .5 |
| e. American History | 1 |
| f. Mathematics | 3 |
| g. Science(1 Life Science, 1
Physical Science) | 3 |
| h. Fine Arts | 1 |
| i. Practical Arts | 1 |
| j. Physical Education | 1 |
| k. Health | .5 |
| l. Personal Finance | .5 |
| m. Electives | 7 |

In addition, all students must:

- 1) pass a United States Constitution Test and a Missouri Constitution Test during high school prior to graduation.
- 2) Complete a computer course in grades 7-12.
- 3) Maximum of two (2) units of correspondence credits will be accepted for graduation.
- 4) Any or all MOVIP courses completed will be accepted toward graduation
- 5) Transfer students may not bring in courses taken in 8th grade to count as high school credit. Courses such as a foreign language or Algebra I may be recognized for placement in the next level and may count toward college certificates, but do not count as a high school credit earned.
- 6) Eight (8) semesters of high school attendance is required. (A semester of attendance is defined as receiving grades for that semester.) Exceptions may be made by petitioning the Board of Education (subject to Board approval).

CLASSIFICATION OF STUDENTS

Students will be classified on the basis of semesters of attendance as well as units of credit earned. Credit requirements are as follows:

<u>Units of Credit Earned</u>	<u>Classification</u>
Freshman	1 - 5 3/4
Sophomore	6 - 11 3/4
Junior	12 - 16 3/4
Senior	17 - 24

COURSE NUMBER EXPLANATION

The following scheme is used to identify the type of credit you receive for a particular course. All courses have a Course Number. If the course number is a:

- 1000** number, it is a Language Arts credit;
- 2000** number, it is a Foreign Language;
- 3000** number, it is a Social Studies credit;
- 4000** number, it is a Mathematics credit;
- 5000** number, it is a Science credit;
- 6000** number, it is a Practical Arts credit;
- 7000** number, it is a Fine Arts credit;
- 8000** number, it is a Physical Education credit;
- 9000** number, it is a Vocational class-Practical Arts credit.

In reading the Course Offering sheet, the column title "Level" can give you an idea of the difficulty and purpose of the course. "C" means the course is for college-bound students. "V" means the course can be used for job training skills. "C-V" means the course would benefit any student.

GRADE LEVEL RESTRICTIONS:

If the second number of the course number is a **1**, the course is open to all grades unless otherwise indicated.

If the second number of the course number is a **2**, the course is open to grades 10, 11, and 12 unless otherwise indicated.

If the second number of the course number is a **3**, the course is open to grades 11 and 12 only unless otherwise indicated.

If the second number of the course number is a **4**, the course is open to seniors only.

For Example: Music Appreciation, Course Number 7160-a Fine Arts Credit open to all four grades.
Chemistry, Course Number 5310-a Science Credit open to grades 11 and 12 only.

GRADE POINT AVERAGE CALCULATION

GPA is calculated by dividing total number of honor points earned by the number of credits attempted. GPA is re-calculated at the end of each semester. The following scale can be used:

A = 4 honor points/year	2 honor points/ semester
A-=3.67 pts./yr	1.84 pts./sem.
B+=3.34 pts./yr.	1.7 pts./sem.
B= 3 pts./year	1.5 pts./sem.
B-=2.67 pts./yr.	1.34 pts./sem.
C+=2.34 pts./yr.	1.17 pts./sem.
C=2 pts./year	1 pt./sem.
C-=1.67 pts./yr	.84 pt./sem.
D+=1.34 pts./yr	.67pt./sem.
D=1 pt./year	.5 pt./sem.
D-=.67 pt./yr.	.34 pts./sem.
F=0 honor points	

Grades in classes that are weighted are worth one extra honor point for the year or .5 extra per semester. For example, in A.P. English, an “A” would be worth 5 honor points for the year and 2.5 for the semester.

Class rank is determined at the end of each semester. Students who are competing for top of the class will want to take as many “weighted” classes as possible.

HIGH SCHOOL ATHLETIC AND ACTIVITIES ELIGIBILITY

Students should carry enough to be sure to remain eligible. Just taking the minimum can cause problems due to:

1. Failure
2. Attendance
3. NC=audit (math).

Students who wish to be eligible for interscholastic athletics, debate, drama, music, or academic team **MUST** have **PASSED AND RECEIVED** 3 credits the previous semester, and **MUST** be **ENROLLED** in at least 3 credits during the semester of participation. Summer school courses for academic eligibility may count provided the course is necessary for graduation or promotion, and it is placed on the school transcript. No more than one credit in summer school shall be counted toward eligibility. To be eligible for the first semester of the ninth grade, a student must have been promoted from the 8th grade.

COLLEGE ATHLETIC ELIGIBILITY

In order to be eligible to practice and participate in intercollegiate athletic competition and receive an athletic scholarship the first year of attendance, certain criteria must be met. Students entering an NCAA Division I or Division II institution in the fall of 2008 and after must meet the following criteria:

DIVISION I 16 CORE-COURSE RULE 2008 AND AFTER

- 16 Core Courses:
 - 4 years of English
 - 3 years of mathematics (Algebra I or higher)
 - 2 years of natural/physical science (1 year of lab if offered by high school)
 - 1 year of additional English, mathematics or natural/physical science
 - 2 years of social science

4 years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy).
Computer science will not be an acceptable core-course area.

ACT test must be taken.

DIVISION II

- 14 Core Courses:
 - 3 years of English
 - 2 years of Mathematics (Algebra I or higher)
 - 2 years of natural/physical science (1 year of lab if offered by high school).
 - 2 years of additional English, mathematics or natural/physical science.
 - 2 years of social science
 - 3 years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy).

The GPA in the core courses is paired with the corresponding ACT sums. The lower a student’s GPA, the higher the sum of their ACT sub scores must be. For complete information, see your guidance counselor or view www.ncaa.org website.

A+ PROGRAM

Moberly High School has been designated an “A+ School” by the Missouri Department of Elementary and Secondary Education. This designation provides the opportunity and funding for Moberly to make basic changes designed to guide students in a rigorous program of academic and technical education that will prepare them for the workplace, postsecondary vocational/technical training, or college. Graduates may be eligible for state reimbursement for the cost of tuition and certain fees while attending any Missouri public community college, or postsecondary vocational or technical school as a full-time student (pending yearly re-designation of Moberly High School and State appropriations being available). Students may seek reimbursement for up to two years of attendance during the four-year period immediately following high school graduation. To be eligible, each student must have entered into a written agreement with Moberly High School and have met the following requirements:

1. have attended a designated A+ School for three consecutive years prior to high school graduation;
2. graduated from high school with a GPA of 2.5 points or higher on a 4.0 scale;
3. have at least 95% attendance record for the four (4)-year period;
4. performed 50 hours of unpaid tutoring or mentoring for other students;
5. maintained a record of good citizenship and avoided the unlawful use of drugs (including alcohol);
6. made a documented good faith effort to secure federal post-secondary student financial assistance funds;
7. enrolled in and attended on a full-time basis, a Missouri public community college or postsecondary vocational or technical school, maintaining a GPA of 2.5 or higher on a 4.0 scale.

Students interested in the financial incentive offered through the A+ Schools Program should submit an application to the A+ Coordinator’s office at Moberly Area Technical Center.

TECHNICAL/COLLEGE PREPARATION FOR ALL STUDENTS

Students begin making course selections in middle school which will enable them to complete their post-secondary placement goals. Guidance counselors will help them seek out relevant information and continually refine their 5-Year Plans. The course schedules students take will follow one of six career path areas.

(1) Arts and Communications (2) Business, Management, and Technology (3) Health Services (4) Human Services (5) Industrial and Engineering Technology, and (6) Natural Resources/Agriculture. Career Paths are narrowed down to Career Clusters. Missouri has identified 16 career clusters which fall under the 6 Career Paths. Once a student narrows the field down to a career path and cluster and begins to concentrate on specific career goals, vocational or college prep courses are taken which help prepare them for their chosen area.

BACCALAUREATE PREP LEVEL I

In order to qualify for this completion certificate, students must satisfy the 1997 requirements for freshmen entrance into the University of Missouri. Students must complete 24 units of credit, 17 of which come from the following areas:

1. Four (4) units of English, one of which may be speech or debate: Two units emphasizing composition or writing skills are required.
2. Four (4) units of mathematics (Algebra I or higher). This requirement may be satisfied by the completion of courses in junior or senior high school.
3. Three (3) units of science (not including physical science). The three units of science must include a laboratory course and units from at least two of the following areas: Physical Science Honors, Biology I or AP Biology, and one of the following: Biology II, Human Anatomy, Physics and/or Chemistry II.
4. Three (3) units of social studies.
5. One (1) unit of fine arts, to be taken in visual arts, music (performance, appreciation, or theory), dance, or theater.
6. Two (2) units of a single foreign language. This requirement may be satisfied by completion of courses in junior or senior high school.

BACCALAUREATE PREP CERTIFICATE LEVEL II: COORDINATING BOARD FOR HIGHER EDUCATION

In order to qualify for this completion certificate, students must satisfy the guidelines established by the Coordinating Board for Higher Education. With this certificate, students will demonstrate mastery of the requirements for admission to all public four-year colleges and universities in the state of Missouri and most other four-year institutions. Students must complete 24 units of credit, 16 of which must come from the following areas:

1. Four (4) units of English, one of which may be speech or debate: two (2) units emphasizing composition or writing skills are required.
2. Three (3) units of Mathematics (high school level Algebra and beyond, i.e., Algebra II, Geometry, Pre-Calculus, Calculus). This requirement may be satisfied by the completion of courses in junior or senior high school.
3. Three (3) units of Social Studies.
4. Three (3) units of Science (Physical Science Honors and above), one of which must be a laboratory course.
5. One (1) unit of Visual/Performing Arts (fine arts courses in visual arts, music, dance and theatre).
6. Three (3) units of electives, selected from foreign language and/or combinations of the above courses (two units of foreign language are strongly recommended).

TECH PREP CERTIFICATE

The Moberly Public Schools shall issue a Tech Prep Certificate of Completion for all students who have successfully completed a

vocational education program with a tech prep sequence of courses.

The Tech Prep Program is a rigorous sequence of courses that combines applied academics and vocational education into a program that will prepare students for employment or continuing education. Each completer will be prepared for entrance into a two-year community college or technical school. Articulation or advanced standing is available in most Missouri schools in our region.

To qualify for a Tech Prep Certificate:

1. Students shall have taken a rigorous academic program through their senior year (SEE CAREER PLANNING GUIDES).
2. Students shall have successfully demonstrated positive behavior and appropriate work attitudes through completion of activities from Job Club and a recommendation from their instructor.
3. Students shall have mastered 100% of the essential skills identified by their instructor in their training program.

COLLEGE PREPARATORY STUDIES CERTIFICATE

The State Board of Education and the Department of Elementary and Secondary Education approved in March of 1984 the College Preparatory Studies Certificate which will be available to all who meet the criteria.

The College Preparatory Studies Certificate is designed to challenge Missouri students to follow a rigorous academic program in high school and complete it at a high level of achievement. It is not a high school diploma but a certificate, in addition to the high school diploma, to recognize outstanding academic achievement by a high school graduate. It is not a requirement for college admission. While the certificate is designed as an incentive for college-bound students, many students who do not plan to enter college may wish to pursue the rigorous program and the high academic achievement required and receive the distinguished award.

To be eligible for the college preparatory studies certificate, a student shall:

1. Earn 24 credits.
2. Earn a *3.0 g.p.a. in combined areas of English/Language Arts, Mathematics, Science, and Social Studies at the end of seven semesters (g.p.a. will be refigured with these courses only.)
3. Score above national average on A.C.T. (Usually a 21.)
4. **Must have 95% attendance grades 9-12.**
5. Complete a rigorous high school program which includes at least the following:

ENGLISH/LANGUAGE ARTS – 4 UNITS

The following must be taken to meet this requirement. Language Arts I, Language Arts II, Language Arts III and appropriate elective or AP English, and one credit from Speech, English or American Literature, Oral Interpretation, Debate, Modern Literature or other appropriate electives.

MATHEMATICS - 4 UNITS

Algebra I, Geometry, Algebra II and College Algebra and/or College Trigonometry and/or must be taken to meet this requirement. Integrated Math I,II, III and PreCalculus may be taken to fulfill the requirements for this certificate.

SCIENCE – 3 UNITS

Physical Science (Honors only) and Biology I or Applied Biology/Chemistry II, and one of the following meet this requirement: Biology II, Human Anatomy, Chemistry II, Physics.

SOCIAL STUDIES – 3 UNITS

To meet this requirement Social Science I which includes Government, World History, and American History need to be taken class of '10. Classes of '11 and beyond will take Eastern/Western Civilizations(World History), American Studies I, American Government, U.S. History from 1900 or A.P. American History.

PERSONAL FINANCE – ½ UNIT

FINE ARTS/PRACTICAL ARTS – 1 UNIT EACH

These units must be met at the high school level.

PHYSICAL EDUCATION – 1 UNIT

- 6. Complete at least three units in foreign language and/or additional advanced courses from English/Language Arts, Mathematics, Science, and Social Studies, fine arts, or computer programming. If the plan includes foreign language, it shall include at least two units of one language.

--Advanced English could be met by Speech, English or American Literature, A. P. English, Oral Interpretation, Debate, or Modern Lit. if they are not counted in the required four units.

--Advanced Mathematics could be met by taking A.P. Calculus.

--Advanced Science could be met by taking: Biology II, Human Anatomy, Chemistry II, Physics.

--Advanced Social Studies could be met by taking A. P. American History in addition to American History, Sociology, Psychology (3380), American Government, Contemporary Issues, Regional Geography or The Cold War.

--Advanced vocational-technical courses selected to strengthen students college-prep or career choices.

PRESIDENT’S EDUCATION AWARDS PROGRAM

In 1983, President Reagan established the Presidential Academic Fitness Awards (PAFA) program, now known as the President’s Education Awards Program. The program is designed to encourage students to achieve their full academic potential. The President’s Education Award is a certificate of recognition for outstanding academic achievement signed by the President, the Secretary of Education, and the school principal.

Presidential awards will be made to graduating seniors who have met the following criteria:

- A. Attained an A- average or equivalent, accumulated over grades 9, 10, 11, and the first semester of grade 12. The A- average is defined as equivalent to a 3.67 on a 4.0 scale.
- B. Completed the Level II Baccalaureate Prep Certificate.
- C. Received a score in the 11th or 12th grade, placing them at or above the 85th percentile on the S.C.A.T., P.S.A.T./N.M.S.Q.T. or A.C.T. test on reading or math.

ADVANCED PLACEMENT

The curriculum of the AP American History, AP Calculus, and AP English course is aligned with the courses offered through the College Board Placement Program. Normally, students may choose to pay approximately \$84 to take an AP exam at the end of the course hoping to qualify for college credit, advanced placement, or exemption from certain academic requirements or prerequisites upon entering the college of their choice. Interested students must make a deposit of \$15 by 2/28 to the principal’s office. The AP American History course requires a great deal of reading.

DUAL CREDIT OFFERING AT MOBERLY H. S.

The Dual Credit Program, with a written agreement between high school and college, allows mainly high school juniors and seniors the opportunity to take college level courses for both high school and college credit while remaining in their own high school. Sophomores who demonstrate their competency by scoring at the 90th percentile or above on the ACT (composite score), in addition to all other placement requirements, may enroll in dual-credit courses. The recommending high school counselor and high school principal must concur that a younger student can benefit from dual credit in the specific course and learn at the collegiate level. Dual credit academic classes will transfer to any public institution and most private institutions in the state. Students requesting information regarding transferability of courses to a specific college need to contact an MACC representative or check macc.edu website. Students are advised to contact the four-year college of their choice to see how the number of dual credit hours affects scholarships. Current guidelines indicate that up to the equivalent of five courses may be transferred. Some colleges and universities will limit the number of dual credit courses that they accept in transfer, and others will not. All public institutions in the state and the private institutions that choose to comply with these guidelines must publish their policies regarding the acceptance of dual credit courses.

Students may continue to take the courses for high school credit only, dual high school and college credit, or advanced placement in the designated classes. Guidelines state students must have a 3.0 G.P.A. to take dual credit. Teachers must meet MACC guidelines for having a Master’s Degree and must follow the college textbook and curriculum requirement. The final determination for dual credit courses to be offered will be based on student enrollment. Students will be required to take dual credit courses offered at the high school in our facility. Exceptions will be made by a committee decision based on several factors including the 5-year plan.

College credit courses cost approximately \$41 per credit hour for in district students and \$70 for out-of-district students. Most courses are worth 3 credit hours which would cost the student \$123.00. Moberly High School will be purchasing textbooks for the students taking dual credit classes in the high school. In order for students to take a math or A.P. English for dual credit, a student must take the COMPASS Test for placement purposes. Students may take this test at MACC through the Student Services office at a cost of \$4.

MHS Courses	MACC Courses	Credit
A.P. English	Fr Eng I/Exp LAL 101/ LAL102	3/3
Speech	Public Spk. I SPK 101	3
Am Lit I/II	Am Lit Surv to 1870/Fr 1870	3/3

	LAL 120/ LAL121	
English Lit I/II	Eng Lit Survey to 1750/Fr. 1750 to present LAL151/LAL 152	3/3
Symphonic Band	MUS137 Comm.Band	2 (1/1)
College Algebra	College Algebra MTH 140	3
College Trig.	College Trig. MTH 145	3
A.P. Calculus	Ana Geometry & Calculus I MTH 201	5
Chemistry II (one semester)	PHY120 Found.of Chem.	5
Computer Apps.	Computer Essentials CIT101	3
French II	Elem French FLN 111	5
French III	Intermediate French FLN 112	5
Welding II	Weld 101/102	3/3

*These courses must be taken during junior or senior year to be taken as dual credit.

Weighted classes include:

- A. P. English
- Speech
- American Literature I/II
- English Literature I/II
- A. P. American History
- College Algebra
- College Trigonometry
- A.P. Calculus
- A.P. Biology
- Chemistry II
- Physics

MHS Course Descriptions

1110 – Communication Arts I

Level V * 1 Credit * Semester–Both * Restrictions–Students will be placed in the class according to standardized test scores and/or teacher recommendations.

This course is designed to improve student reading levels. The student will use the Wilson Reading Program to practice phonetics, spelling, reading, and writing. An additional component to the course is a reading comprehension element that requires the student to read a class novel. This course does fulfill a Language Arts requirement.

1120 -Language Arts I

Level C-V * 1 Credit * Semester-Both * Restrictions--NO

This is a required comprehensive language skills course including reading, literature, composition, grammar usage and research skills. The students provide and apply previous language arts skills, to new, age appropriate material. Students read short stories, drama selections, and at least one novel. They apply elements of literature to various selections. Also, the students write compositions with the use of grammar usage techniques.

1125-Language Arts I Honors

Level C*I Credit*Semester-Both*

Restrictions-YES

This class would provide a more appropriate paced (accelerated) curriculum for freshmen who plan to attend college. Screening criteria that should be met include parent permission, 90% or better average in current language arts class, and Terra Nova language arts scores of 85% or above on at least one section and none lower than 75% and an on-demand essay. The curriculum for Language Arts I would be used but covered at an accelerated pace, allowing time for other activities such as additional reading and other enrichment activities that will be developed with student input. Areas covered include reading and literature with an emphasis on composition, grammar usage, mechanics, and research skills. Reading and literature would encompass short stories, Shakespeare, and novels, along with the application of the elements of literature to various selections.

1210 Communication Arts II

Level V *1 Credit * Semester-Both

This course is a continuation of Communication Arts I. The course is designed to continue improving student reading levels. The student will continue working through the Wilson Reading Program and the study of phonetics, spelling, reading, and writing. The students in this course will be required to read at least one novel as well as several other types of short works.

1220 - Language Arts II

Level C-V * 1 Credit * Semester-Both * Restrictions-Passed

LAI both semesters

This comprehensive language skills course is required for all sophomores. The students read short stories, poetry, Shakespeare, and at least one novel. Writing skills of prewriting, drafting, finished product, revising and editing are also covered. There are basic research methods applied during writing sections as well as doing oral classroom presentations of researched material. Students must complete both semesters of LAI before taking LAII.

1225-Language Arts II Honors

Level C*I Credit*Semester-Both*

Restrictions-YES

This class would provide a more appropriate paced (accelerated) curriculum for sophomores who plan to attend college. Screening criteria that should be met include parent permission, 80% or better average in current language arts class, and Terra Nova language arts scores of 85% or above on at least one section and no lower than 75% and an on-demand essay. The curriculum for Language Arts II would be used but covered at an accelerated pace, allowing time for other activities such as additional reading and other enrichment activities that will be developed with student input. Areas covered include the study of short stories, novels, poetry, and a Shakespeare play, with an emphasis on writing, grammar usage, mechanics, and research skills. Basic research methods are applied during the writing segments, which include pre-writing, drafting, finished product, revising and

editing. Oral classroom presentations over researched material will be given.

1230 - Oral Interpretation

Level C * ½ Credit * Semester-Both * Restrictions - Must have “C” or better in prior language arts class. * (Course may be repeated for credit.)

This performance course is designed for serious students who wish to explore the various areas associated with interpretative performance such as duet acting, prose reading, dramatic and humorous interpretation, and poetry reading. (Memorization required). Attendance at various regional and district competitive tournaments will be required.

1240 – Yearbook Production

Level C-V * 1 Credit * Semester-Both * Restrictions - Consent of the instructor. Students must complete an application.

This course involves the student in creating, editing and publishing of the yearbook Sparta. Since one of the goals of this course is to produce a top-quality yearbook, the class meets daily and requires students to spend some time outside the classroom. The course involves selling advertising, taking digital photographs, writing and editing stories and letters, and designing layouts. This course does not fulfill the Language Arts elective requirement.

1250 – Newspaper Production

Level C-V * 1 Credit * Semester-Both * Restrictions-Due to the limited class size, sophomores who request the class will be selected on the basis of previous academic performance and teacher recommendations. Recommendations - Typing strongly encouraged. Juniors should have a “B” or better average in Language Arts II; sophomores should have an “A” average in Language Arts I.

This course covers gathering, writing, editing and publishing the school newspaper. The course will also include units on interviewing; writing news, sports and entertainment features; and the legal and ethical aspects of journalism. This course does not fulfill the Language Arts elective requirement. Students may be required to spend some time working outside the classroom.

1310-Communication Arts III

Level C*1 Credit*Semester-Both

This course is a continuation of Communication Arts II. The course is designed to continue improving student reading levels. The student will continue working through the Wilson Reading Program and the study of phonetics, spelling, reading, and writing. The students in this course will be required to read at least one novel as well as several other types of short works.

1321 – Language Arts III Essentials

Level C-V * ½ Credit * Semester-First or Second * Restrictions-NO

This course is required for junior students. Students will receive further instruction in the skills that make up the core of Language Arts: reading, writing, listening, speaking, and researching. The course will include preparation for the English and Reading sections of the ACT assessment. In addition, students will complete career exploration, culminating in a job shadowing experience. Outcomes will be assessed through classroom activities, authentic assessments, tests and projects. The course is designed to prepare students for fourth year courses and for post-secondary success in college, technical school or the workplace. *The second ½ credit for the third year of Language Arts may be earned through African-American literature, Mythology, Multicultural Literature, or Analysis of Literature Through Film.

1322 – African American Literature

Level C-V * ½ Credit *Semester-First or Second * Restrictions – Passed LAII both semesters

*The second ½ credit for third year of Language Arts must be earned through LAIII Essentials.

***This is a writing intensive course.**

This course is an introduction to African-American literature. We will explore African-American history, culture, values, and media representations through literature of the past and present. The class explores the contexts of African-American literature both as a literary tradition in its own right and as a lens through which we can better see African American culture and American culture as a whole. These cultural texts will allow us to see the ways in which African-Americans have contributed to, have been influenced by, have appropriated, and have transformed America. Particular attention will be given to the interrelationship of themes associated with race, religion, and gender. Texts will include slave narratives, oral histories, myths/legends/rumors in African-American culture, media representations of African-Americans, autobiographical accounts, short stories, and various fiction texts. *Other choices for the third year ½ credit include Mythology, Multicultural Literature, or Analysis of Literature through Film.

1324 – Analysis of Literature Through Film

Level C-V * ½ Credit * Semester-First or Second *Restriction – Passed LAII both semesters

*The second ½ credit for third year of Language Arts must be earned through LA III Essentials.

***This is a writing intensive course.**

This course is an option for third year Language Arts students for completion of their third tier of language arts. This course is an introduction to the connections of literature and film. Through various literary elements, we will analyze the similarities and differences in the stories and themes of various fictional and non-fictional novels, short stories, poems, and movies. The class will study various topics through the literature and films such as American history, science fiction, social struggles and oppression, political ideologies, and psychological and philosophical studies. Although there will be various films used during the semester, the foundation of the class will still be built upon literary studies. Reading and writing will be integral aspects of this class as students will write various essays and research papers throughout the semester.

*Other choices for the third year ½ credit include African-American Literature, Multicultural Literature, or Mythology.

1326 – Multicultural Literature

Level C-V * ½ Credit * Semester-First or Second *Restriction – Passed LAII both semesters

*The second ½ credit for third year of Language Arts must be earned through LA III Essentials.

***This is a writing intensive course.**

This course is an introduction to multicultural literature. We will explore multicultural literature, culture, values, and media representations through literature of the past and present. The class explores the contexts of cultures such as Russian, Latino, Asian, Native American, Jewish and African. Material will include autobiographical accounts, short stories, and various fiction texts.

*Other choices for this third year ½ credit include Mythology, African American Literature, or Analysis of Literature through Film.

1328 – Mythology

Level C-V * ½ Credit* Semester-First or Second *Restriction- Passed LAII both semesters

*The second ½ credit for third year of Language Arts must be earned through LA III Essentials.

***This is a writing intensive course.**

This course is an option for third year Language Arts students for completion of their third tier of language arts. This course is an introduction to classical mythology. We will not only survey all major gods and heroes, together with their associated stories, but we will also pay particular attention to what a myth "does," how it operates, and what it seeks to achieve. The class explores the nature of mythology and its significant impact upon various aspects of modern culture. Special attention is also given to the tales of Celtic, Norse, and Arthurian legends and the impact that these have had upon modern cultural expression. You will also be introduced to some world myths from ancient cultures such as Egyptian, Native American, African, and learn to identify the different types of myths and the archetypes that appear. Expect to read myths and plays as well as excerpts from classic literature like *The Illiad* and *The Odyssey*. Writing will be a daily occurrence, and students will write weekly papers, several research papers, and an original myth.

*Other choices for the third year ½ credit include African-American Literature, Multicultural Literature, or Analysis of Literature through Film.

1330 - Advanced Placement English (Dual Credit)

Level C-V * 1 Credit * Semester-Both * Restriction – To take junior year, student must have been in LAII Honors. A "B" or better grade average in Language Arts II Honors is recommended.

Advanced Placement English is a junior and senior level course centered on writing. The student will complete a variety of writing tasks and practice writing for various purposes. The student will reinforce knowledge of the writing process. Through reading and evaluation of their own writing, students will recognize the significance of tone, syntax, purpose, and diction. The course is designed to prepare the student to succeed on the Advanced Placement English, Language and Composition test for college credit. Work in the class will be the equivalent to the first year of college writing courses. **The course may be taken for dual credit. First semester – Freshman English I, second semester – Exposition. Students must meet MACC requirements.**

1341 - American Literature I (Dual Credit possible)

Level C * ½ Credit * Semester-First * Recommendations - A "C" average in Language Arts II is strongly recommended.

This course is designed to present a chronological study of the literature in America from the colonial period through the late 19th century. Numerous authors of the period are studied with emphasis on Hawthorne, Emerson, Thoreau, Poe, Melville, Dickinson, and Twain. Written assignments correlate with the authors and their works. Both objective and essay tests are given. Anyone taking the course should be prepared to read a great deal and prepare sophisticated written assignments. **The course may be taken for dual credit. Students must meet MACC requirements.**

1342 - American Literature II (Dual Credit possible)Level C * ½ Credit * Semester-Second * Recommendations - A "C" average in Language Arts II is strongly recommendedThis course is a continuation of American Literature I and is designed to provide a study of some of the major works of the 20th century. Such authors as Fitzgerald, Frost, Hemingway, Faulkner, Steinbeck, Hughes, Cather, Baldwin, Lowell, Brooks, and Welty will be emphasized. Both objective and essay tests are given. Written assignments correlate with the authors and their works. Anyone taking the class should be prepared to read a great deal and prepare sophisticated written assignments. The course may be taken for dual credit. Students must meet MACC requirements.

1351- English Literature I (Dual Credit possible)

Level C * ½ Credit * Semester-First * Recommendations - A "C" average in Language Arts II is strongly recommended

English Literature I is a course designed to acquaint the student with classic writers from the Anglo Saxon period through the Restoration and Enlightenment. A study of the development of the English Language will parallel the literature study. The course will follow a chronological approach, emphasizing literary trends in the history of ideas. Concentration will be directed toward the works of Chaucer, Shakespeare, and others. Special research projects, discussion, written work, and tests will be the basis for evaluation. **The course may be taken for dual credit. Students must meet MACC requirements.**

1352 - English Literature II (Dual Credit possible)

Level C * ½ Credit * Semester-Second * Recommendations - A "C" average in Language Arts II is strongly recommended

English Literature II is designed to provide in-depth study of some of the major works of British writers in the Romantic Period through the twentieth centuries. Each work will be discussed in relation to its place in history, its relation to the author's philosophic stance, and its relation to the artistry of this work itself. Special research projects, discussion, written work, and tests will be the basis for evaluation. **The course may be taken for dual credit. Students must meet MACC requirements.**

1355 – Speech (Dual Credit possible)

Level C-V * ½ Credit * Semester 1 or 2 * Restrictions - None.

This course is designed to expose students to the fundamentals of the public speaking situation and will fulfill 3 credit hours in the Dual Credit Program for both high school and college credit. Considerable time will be spent examining the theoretical framework of public speaking as well as putting those theories into practice. Practical application of public speaking techniques will be emphasized. This course is designed to heighten the student's public address skills as well as increase his/her confidence and feeling of ease when involved in a speaking situation. Each student will be required to present various types of speeches consisting of introductory, informative, persuasive, impromptu, and small-group discussion. **This course may be taken for dual credit. Students must meet MACC requirements.**

1358-Debate

Level C-V*1/2 Credit*Semester-1 or 2*Restrictions-Speech or teacher's consent is a prerequisite. Student must have at least a C average in Language Arts classes.

This performance class is for the serious student. This course is designed to introduce the methods of interscholastic debate. Students will polish techniques and thoroughly research and build cases for the current National Forensic League debate topics. Performance in contest debating will be encouraged. This course may be used to fulfill the language arts requirement for graduation.

1360 – Newspaper Production II

Level C-V * 1 Credit * Semester-Both * Restrictions- Consent of the instructor and Newspaper Production I.

This course focuses on the publication of the school newspaper. This course does not fulfill the Language Arts elective requirement. Students may be required to spend some time working outside the classroom.

1370 - Introduction to Broadcasting

1 Credit * Semester-1 and/or 2 * Restrictions- Must have C in Language Arts Class.

Instructors consent and completion of application. Due to the limited class size, sophomores who request the class will be

selected on the basis of previous academic performance and teacher recommendations. Introduction to Broadcasting is designed to facilitate an authentic speaking environment for students. Additionally, this course will teach students valuable skills of audio/video technology, which could be used in post-high school employment. Students will produce the local news segment for the high school.

Specifically, students will apply learned communication and technology skills toward the production of a school news segment, which will be broadcast over the Channel One Network.

1380 – TV Media Production

Level C-V*1 Credit*Semester-Both*Restrictions – Prerequisite – C in LA classes. Instructor consent and completion of application. Due to the limited class size, sophomores who request the class will be selected on the basis of previous academic performance and teacher recommendations.

This course is responsible for the production and distribution of television media for the Moberly Public Schools. Students develop media in a wide variety of formats, from the use of presentation software to video editing. Students who take this course should be comfortable in the use of both Windows and Macintosh operating systems. Additionally, students will be required to travel between the various buildings of the Moberly School District.

1412-Contemporary Issues in Literature

Level C*1/2 Credit*Semester-First*Prerequisites-Senior standing at least a “C” average in prior high school Language Arts classes.

Students will be expected to read a variety of modern and contemporary fiction and nonfiction materials. Written discussions of readings will take place entirely online through the use of such tools as wikis, blogs, podcasts and other web 2.0 tools. Extensive reading and writing will be expected.

1413-Contemporary Issues in Literature II

Level C*1/2 Credit*Semester-Second*Prerequisites: Senior standing and at least a “C” average in prior high school Language Arts classes.

Students will be expected to read a variety of modern fiction and nonfiction materials. Written discussions of readings will take place entirely online through the use of such tools as wikis, blogs, and podcasts. Extensive reading and writing will be expected.

1420-Language Arts IV-Creative Writing

Level V*1/2 Credit*Semester-Both

This course is designed to fulfill the fourth language arts requirement toward graduation. The student will learn and practice a variety of creative writing projects including short fiction and poetry. The course will include reading and analyzing models of creative writing.

1440-Language Arts IV-Technical/Everyday Writing

Level V*1/2 Credit*Semester-Both

This course is designed to fulfill the fourth language arts requirement toward graduation. They will learn and practice a variety of job-related communication skills and practice everyday communication. The course will include reading and analyzing models of pertinent documents and producing effective written communication. Projects will include employment documents, informal reports, instructions, letters of inquiry, etc.

1460-Cadet Teaching

Level C*1 Credit*Semester-Both*Restrictions-If using for A+ hours you must be approved by the A+ Coordinator. Should have a GPA of 2.5 or higher.

The purpose of the cadet teaching experience is to give promising high school seniors who are considering a teaching career an opportunity to become acquainted with the teaching profession. This class, an elective, affords seniors the chance to work in a classroom under the supervision of an experienced teacher in order to gain some understanding of the daily activities of a teacher and they may apply ½ of those hours toward A+ tutoring .

2110 - Spanish I

Level C-V * 1 Credit * Semester-Both * Restrictions – Must have a “C” average in English classes. If Freshman, must have “C” average in last English class.

The Spanish I course covers fundamentals of the Spanish language through grammar, conversation, reading and composition. The student will be able to speak, read, and understand basic Spanish through written work, class conversation, projects, and skits. Students will read, research, and present information on culture, geography, history and current events of Spanish speaking countries.

2210 - Spanish II

Level C-V * 1 Credit * Semester-Both * Restrictions - Students must have passed Spanish I with at least a “C” average or have instructor’s approval prior to enrollment.

The Spanish II course includes further skill development in the language through grammar study, composition, reading and conversation. Students will expand their vocabulary and verb tense conjugation beyond present tense. Students will broaden their knowledge of Spanish-speaking people, their cultures, and countries.

2310 -2340 - Spanish III/IV

Level C-V * 1 Credit * Semester-Both * Restrictions - Must have at least a “B” average in Spanish II to take advanced Spanish courses or have instructor’s approval prior to enrollment.

These courses broaden and strengthen the student’s understanding of the Spanish language and culture through an emphasis on daily conversation, presentations, projects, written work, and grammar practice. Regular class attendance and participation will be necessary for success in this class.

2120 - French I

Level C-V * 1 Credit * Semester-Both * Restrictions-YES * Recommendations: A “C” average in English is strongly recommended.

This course is a study of the basic elements of the French language with emphasis on pronunciation, comprehension, speaking, reading, and writing. This class is designed to help students develop both linguistic proficiency and cultural sensitivity. Students will practice language in part by listening to native French speaking people on CD’s. In addition to daily classroom activities, students can expect to take book tests, research cultural information, and put together various written and oral projects.

2220 - French II (Second semester dual credit possible)

Level C-V * 1 Credit * Semester-Both * Restrictions - Student must have passed French I.* with at least a “C” average or have instructor’s approval. French II continues beginning French, with more emphasis on syntax, vocabulary building, and audio-oral practice. Students will take book tests as well as put together various projects. May be taken for dual credit second semester.

Students must meet MACC requirement.

2320-2420 - French III & IV

Level C-V * 1 Credit * Semester-Both * Restrictions - Must have passed French I & II. with at least a “C” average or have instructor’s approval.

This course broadens and strengthens the student’s knowledge of French, emphasizing conversation, literature, history, geography, and art. Students will read various short written works in French.

3130 - World History(an option Western/Eastern Civilizations)

Level C-V * 1 Credit * Semester-Both * Restrictions-NO

World History is a required course for all students. The course stresses the diverse economic, political, religious, and social systems of the world. Students should develop a knowledge of, and appreciation for, the contributions of many cultures to the collective wisdom of the human race. Emphasis will be placed upon the Missouri Show Me Standards applicable to the Social Sciences at level 10. Course content will be built around the following units:

- Beginning of Ancient Civilizations
- An Age of Revolution
- Golden Ages Outside Europe
- Rise of Classical Civilizations
- Dawn of the Industrial Age
- The World Today
- Middle Ages in Western Europe
- The Age of Imperialism
- Golden Ages of Europe
- World War and Peace

Expectations of the student will be: read text assignments, keep a notebook which will be graded periodically by the instructor, be in attendance whenever possible, complete homework, take notes over text, lectures, etc., complete study skill tasks as assigned, and participate in class discussion.

This course is designed to instruct students in Missouri Core Competencies for Social Studies, as well as to equip them with study skills for future social science classes. Requirements for successful completion of the course include regular attendance, class discussion, and participation in class activities.

3231 – American Studies I: U. S. History to 1900

Level C-V * ½ Credit * Semester-Second * Restrictions – NO Emphasis is placed on Pre-Colonial times, the American Colonies, War for Independence, Launching a new Nation, Balancing Nationalism and Sectionalism, Reform, Westward Expansion, Union in Peril, The Civil War, and Reconstruction.

3232 – Government

Level C-V * ½ Credit * Semester-First * Restrictions – NO

Emphasis is placed on the foundations of Democracy and the role of citizens in government. The semester will focus on the U.S. Constitution, Missouri Constitution, historic Supreme Court cases and economics. Students will be taking the U.S. Constitution and Missouri Constitution test, which students need to pass in order to graduate. At the end of this class students will take the Government End-of-Course exam which evaluates what students have learned throughout the semester.

3311 – U. S. History from 1900

Level C-V * 1 Credit * Semester – Both * Restrictions – NO

Emphasis is placed on changes in the Western Frontier, Industrial Revolution, Immigration and Urbanization, Turn of the 20th Century, the Progressive Era, American Imperialism, World War I, the Roaring 20’s, the Great Depression, New Deal, World War II, Cold War, The Post War Boom, the New Frontier, Civil Rights movement, Vietnam War, and the Age of Limits.

3321 - Advanced Placement American History

Level C * 1 Credit * Semester-Both * Recommendations - A “B” average in previous Social Science courses * verbal and written participation is required.

American History Advanced Placement is a junior and senior level course and is designed to be a study of the major themes in American History. The first semester will deal with the period from the founding of the first colonies up to 1877. The second semester will deal with the period from 1877 to the present. The major units of study will be organized around periods of major emphases on the advanced placement exam: the colonial period, the American Revolution, the Jacksonian Period, the Civil War and Reconstruction, Populism and Progressivism, the New Deal, and international affairs and domestic change in the post-1945 period.

The course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in American history. The program attempts to prepare students for intermediate and advanced college courses by making demands upon them equivalent to those at college level. This course will serve to fulfill the American History requirement for graduation.

The major goals of the course will be:

1. To study major themes of American History.
2. To prepare for the advanced placement examination in American History as prepared by the college board.
3. To reinforce study and writing skills.
4. To give students a conceptual knowledge of history.
5. To enable students to read and digest factual information independently in order to allow class time for higher level thinking skills.
6. To guide students in studying history and drawing conclusions about events.
7. To explore our heritage as a means of understanding ourselves and our place in history.

The expectations of the students will be:

1. To use and analyze primary sources, including documentary material, maps, statistical tables, and pictorial and graphic evidence.
2. To essay exams, to write analytical and research papers.
3. To express themselves orally and in writing with clarity and precision.
4. To correctly cite sources and credit the phrases and ideas of others.

Reading requirements include a high-level text and numerous essays and scholarly works. Students should expect to spend more preparation and study time than in a usual high school course.

The national examination contains a multiple-choice section and an essay section. The test takes about three hours to complete and the cost is about \$80 The best way to describe the test is “tough but fair”.

Every examination receives an overall grade on a five-point scale:

1. No recommendation
2. Possibly qualified
3. Qualified
4. Well qualified
5. Extremely well qualified

An AP Grade Report is sent in early July to each student, school, and if the student requested it, to his or her college.

This class may NOT be taken for dual credit.

3340 - Contemporary Issues

Level C * ½ Credit * Semester-First or Second * Restrictions-NO

Contemporary Issues is a one-semester course. It is a discussion and analysis course about current issues that involve the government and citizens of the United States. The student will gain knowledge of our governmental system and become a better and more active citizen by completing this class. This course will contain issues that are fundamental to our government along with current issues that are part of the society of the United States. Every year this course is offered, the curriculum will be revised to adapt to the new issues of today's government. **Outside readings and research will be required.**

3350 - Sociology

Level C * ½ Credit * Semester-First or Second * Restrictions-NO

This is a one-semester course open to juniors and seniors. The course deals with man and his behavior as a member of all society. It is intended to give the student a better understanding of himself plus the role the individual plays in society. In order for the student to gain a better understanding of the cultural background of America, special units on racial and ethnic relations are offered. Unit and semester tests will be given. Requirements for successful completion of the course include: regular attendance, class discussion, participation in class activities, outside readings (Malcolm X), and completion of a semester research project. Students reading and writing skills should be near grade level or above.

3365 – The Cold War

Level C-V * ½ Credit * Semester – First or Second * Restrictions: Must have passed Social Science I and World History

The Cold War dominated the political, cultural, social, and international landscape of most of the twentieth century. In this course we will explore some of the ways that the Cold War affected life in the United States. We will look not only at political and diplomatic developments, but also aspects of American society and popular culture. In particular, we will focus on six case studies that explore different facets of Cold War America: (1)the origins of the conflict; (2) the cultural and political climate of the early Cold War, often called the “Cold War consensus”;; (3) the shadow cast by the atomic bomb on American life; (4) the Cuban Missile Crisis; (5) intelligence and espionage; and (6) the Vietnam War.

3380 - Psychology

Level C * 1/2 Credit * Semester-First * Recommendations - A “B” average in previous Social Science classes is recommended.

This is an elective course for COLLEGE-BOUND STUDENTS. A high level of reading proficiency is advisable. The course is designed to give the student a general outlook on the behavior of people and the theories behind the behavior. It deals with understanding yourself, how behavior develops, and why. The course is, also, intended to give the student a background in Psychology on a college level. The course requirements are:

1. Completion of daily assignments.
2. Daily attendance and participation by the student
3. Take all tests
4. Reading all handouts and outside novels

4120 – Integrated Math IA

Level C-V*1 Credit*Semester-Both*Restrictions-These students will be selected by the Eighth grade teachers and SPED department.

This course will cover the first half of Integrated Math I. The content will cover patterns, estimating, scientific notation, statistics, square roots, cube roots, equations, translations, rotations, and two-variable equations.

4130 - Integrated Math I

Level C-V * 1 Credit * Semester-both * Recommendations – Students are scheduled into Integrated Math I according to Terra Nova, MAP scores, and teacher recommendations.

This course will cover patterns in data, patterns in change, linear graphs, linear tables , linear equations, inequalities, linear and nonlinear patterns, shapes of plane figures, estimating expected values, probability, and exponential and compound growth .

4170 - Algebra I

Level C * 1 Credit * Semester-Both * Recommendations - Students are scheduled into algebra according to Terra Nova, MAP scores, and teacher recommendations.

Algebra I bridges the gap between the near-concrete ideas of arithmetic and the more abstract ideas of higher mathematics. The students learn to represent numbers with variables and to expand the laws of arithmetic to include operations with these variables. Many examples lead the students to generalize their knowledge of the properties of real numbers and to create mathematical models for solving real-world problems. Instead of using a formal structure of definitions and proofs, the development reflects the manner in which people usually think through a problem. Algebra I is needed before most other math, science, and/or technical courses.

4180 - Geometry

Level C * 1 Credit * Semester-Both * Restrictions - Students must have successfully passed Algebra I or Integrated Math I.

This course requires an understanding of basic algebra. In this course, students will discover, explore and practice geometrical concepts in order to apply them to real world situations. In the process, students will connect geometry to real life, to other disciplines and to other mathematical subjects. The ultimate goal is to develop learners who can solve problems, communicate mathematically, and reason logically.

The student will study the following topics: foundations of Geometry, angles and parallel lines, triangles, area, polygons and polyhedral, similarity, circles, surface area, volume, and writing proofs.

4220 – Integrated Math IB

Level C-V*1 Credit*Semester-Both*Restrictions-Students must have successfully passed Integrated Math IA.

This course will cover the second half of Integrated Math I. The content will cover probability, ratios, proportions, similarity, sine, cosine, tangent, circumference, arc length, area, sectors, linear equations, logic, volume, and surface area. This course will be heavily Algebra I based to cover concepts for the End of Course exam.

4230 – Integrated Math II

Level C-V * 1 Credit * Semester-Both * Restrictions-Must pass Integrated Math I

This course covers sample and display data, histograms, scatter plots, line of best fit, order of operations, patterns, exponents, proportions, equations, inequalities, probability, graphing

functions, logic, geometry, coordinate graphing, systems of equations, and inequalities, polynomials, right triangle geometry, and three-dimensional geometry.

4290 - Algebra II

Level C * 1 Credit * Semester-Both * Restrictions - : Students must have successfully passed Algebra I. *

The second course in algebra expands the students' understanding of the power of mathematics by providing more sophisticated mathematical models for studying and solving more difficult problems. Algebra II provides a review of the skills and concepts of Algebra I. The course will also discuss methods needed to solve problems which are insolvable using only Algebra I procedures. The relevance of algebra to real-world situations is emphasized. Realistic applications of algebra will be used continuously.

4311 –College Algebra (Dual Credit possible)

Level C * 1/2 Credit * Semester-First or Second *

Prerequisite: A “C” average in Algebra II or Integrated Math III.

College Algebra is an advanced algebra course where topics include solving equations, various functions and their graphs including: polynomial, rational, exponential, and logarithmic. The course also includes systems of equations and inequalities.

This course can be taken for dual credit if student has 3.0 gpa and a qualifying ACT Math or COMPASS score.

4312 - College Trigonometry (Dual Credit possible)

Level C * 1/2 Credit * Semester-First or Second*

Prerequisite: C or better in Algebra II or Integrated Math III.

College Trigonometry contains concepts such as angle-based trigonometric functions and their inverses, multiple angle formulas, identities, trigonometric equations, radian measure, arc length, angular velocity, graphs of trigonometric functions, and solution of right triangles.

This course can be taken for dual credit if student has 3.0 gpa and a qualifying ACT Math or COMPASS score.

4330 – Integrated Math III

Level C-V * 1 Credit * Semester-Both * Restrictions-Students must have passed Integrated Math II.

This course covers statistics, graphs, equations, functions, proofs, logic, exponents, polygons, patterns, recursive formulas, arithmetic series, geometric series, analyzing data, probability, trigonometry, vectors, and transformations.

4410 - Advanced Placement Calculus (Dual Credit possible)

Level C * 1 Credit * Semester-Both * Restrictions - Students must have passed Algebra I, Geometry, Algebra II, and PreCalculus (College Algebra/College Trigonometry). * Recommendations: Students should have at least a “B” average in PreCalculus.

Calculus is a full year course discussing integration and differentiation and the application of these ideas. Such topics as limits, continuity, series and vectors will also be discussed. Other topics such as real numbers, trigonometric functions, volume, area and quadratic equations will be reviewed from other classes and will be discussed within the context of differentiation and integration. Subtopics and related topics required by the Advanced Placement Program will also be pursued. This course would be ideal for students entering occupations which require a calculus sequence or require higher mathematics courses in a post-secondary setting. The class will be taught as an advanced placement class, but it is up to the individual students whether or not they take the advanced placement test for college credit. Cost of test is \$80 and students must pay a deposit to take this test by Feb. each year. If students score Advanced or Proficient on

Mathematics MAP test, they may be reimbursed for cost of A.P. Exam.

Note: Calculus may be taken for dual credit. It equates to five hours of College Calculus. Students must have at least a 3.0 gpa and a qualifying ACT Math or COMPASS score.

5130 - Physical Science

Level V * 1 Credit * Semester-Both * Recommendations-NO

Physical Science is a course that introduces basic ideas of physics in a conceptual physics format. Topics included: power, work, force, simple machines, electricity, magnetism, wave motion, sound, and radiant energy. Physical Science will prepare a student to take Chemistry I or ABC I. Some hands-on laboratory work and demonstrations are done to apply critical thinking processes.

5160 - Physical Science Honors

Level C * 1 Credit * Semester-Both * Restrictions- student must take a locally developed Science assessment and score in the top percent. Other factors looked at are 80% or better on the 8th grade Science Terra Nova scores and B+ or better in 8th grade Science.

Physical Science Honors is a course that introduces many basic ideas of physics and chemistry, such as atomic structure, matter, energy, properties of matter, systems of measurement and units, states of matter, physical and chemical changes, nuclear reaction, power, work, force, simple machines, electricity, magnetism, wave motion, sound, and radiant energy. Physical Science Honors prepares a student to take Biology I or ABC II. Laboratory work is done using hands-on skills and application of critical thinking processes.

This course is designed to promote a more in depth analysis of science knowledge and investigative lab procedures. The students will be challenged to develop higher order thinking skills. This will help them meet the expectations of rigorous science instruction both now and in the future.

5230 - Applied Chemistry

Level C-V * 1 Credit * Semester-Both * Restrictions - Students must have passed Physical Science or equivalent before enrolling.

Applied Chemistry involves a study of chemistry covering the composition, changes, and properties of matter through reading the text, internet and lab activities, group problem solving techniques, and hands-on projects. This is an alternative class to Chemistry I that uses the same basic curriculum and textbook. Students will come to understand the vast world of chemical interactions (big and small) around them and how they impact each of their atomic structure, chemical bonding and nomenclature, using and understanding the periodic table, physical and chemical changes, and basic chemical reactions. **Applied Chemistry may be applied as a second high school science credit for graduation.**

5260– Chemistry I

Level C * 1 Credit * Semester-Both * Restrictions - must pass Physical Science with a “C” or above.

Chemistry is a second year Science dealing with the study of matter, its composition, and the changes it undergoes. Major topics presented in the course include scientific measurement, atomic structure, chemical bonding, chemical nomenclature, physical and chemical change, kinetic theory, periodic table, and basic chemical reactions. Some lab exercises/demonstrations are included to help illustrate these topics.

5310 – Chemistry II (Dual Credit possible)

Level C * 1 Credit * Semester-Both * Restrictions - Students must have taken or be taking Algebra II (or Integrated Math III) and two years of science and earned a grade of at least a B average as in Calculus. * Recommendations: This class is recommended for those students planning to go to college.

Physical Science Honors is recommended

Chemistry is a college preparatory class dealing with the study of matter, its composition, and the changes it undergoes. Major topics presented in the course include scientific measurement, atomic structure, chemical bonding, chemical nomenclature, chemical reactions, gas laws, and solution chemistry, acid/base organic, and qualitative analysis.

Note: Lab experiments are an extensive component of this class. This class may be taken for dual credit. Students must meet MACC requirements.

5340 - Biology I

Level C * 1 Credit * Semester-Both * Recommendations - This class is recommended for students planning to go to college. * Restrictions - Students must have taken at least one year of science and earned a grade of C or above in the courses, or have teacher approval.

Biology I is a college preparatory class for students who want to study the principles and concepts of modern Biology. Students will study cell physiology, plant life, animal life and their environments. Nomenclature will be emphasized. Laboratory work will allow students to observe and examine life processes of plants and animals. The laboratory work will include dissection of specimens such as frogs, worms, crayfish, etc. This course is designed for those students planning to take Biology II. Students will be required to work with partners for a variety of projects and presentations

5321 - Human Anatomy

Level C * 1 Credit * Semester-Both * Restrictions - Students must have maintained a B average in a life science class. * Recommendations: This class is recommended only for those students planning to go to college and pursue a science or health related field.

Human Anatomy is intended for students who want to study the anatomy of the human body. Students will study the structure and function of cell at the various tissues, organs, and the major systems of the body. Lab work and dissection is emphasized. Participation in both class and lab is required.

5330 – Applied Biology

Level C-V * 1 Credit * Restrictions – Must have passed Applied Chemistry

Applied Biology is the alternative to the Biology I curriculum. Group problem solving techniques are employed to solve laboratory and other problems based on their biology knowledge. Applied Biology may be applied as a third high school credit, fulfilling the life science credit, a college or junior college requirement, or to aid the student in making everyday decisions in the home.

5350 – A.P. Biology

Level C * 1 Credit * Restriction – Entrance test and “B” average in previous science course or teacher recommendation. A packet of work to be completed over the summer and returned by at least one week before school begins or will not be allowed to take this course.

AP Biology is designed to be similar to an introductory college biology course. The three major topics discussed will be Molecules and Cells, Heredity and Evolution, and Organisms and Populations. Labs will constitute 25% of the class as required by

AP guidelines. To ensure proper background knowledge and readiness for this challenging and demanding course, an entrance test will be used and a B average in the previous science course is required unless a recommendation is from the teacher is given. A packet of work to be completed over the summer will be issued the year prior to enrollment to enable the students' readiness in chemistry as well as basic cell biology. This packet will be due one week before the first day of school. If the packet is not completed, arrangements will be made for the student to take another course. **This is a weighted class. The AP Biology test, which gives students the possibility of testing out of an entry level college biology course, will be given near the end of the year.**

5370 - Project Most

Level C * 1 Credit * Semester-Both * Restrictions - Must have passed at least two years of math and two years of science or Algebra I and Physical Science Honors.

Project MOST is a competition based learning class where students are required to do several projects during the school year. One project of about 2 weeks, an 8 week project and a semester long project. The students must be self-motivated and interested in the science and math fields. Each student will do multiple research projects. Research projects should be presented in some venue.

5410 - Physics

Level C * 1 Credit * Semester-Both * Restrictions - Students must have passed Algebra I, Algebra II and Geometry and successfully completed at least two previous science courses with a minimum of B or better. Pre-Calculus is recommended.

Physics is a college preparatory class, which deals with matter and energy and their transformations. Physics is concerned with force, motion, heat, sound, light, magnetism, electricity and nuclear structure. Much of the course involves solving mathematical problems and transformations in classic physics; therefore, students taking this course must have a strong aptitude for mathematics. Laboratory activities will reinforce the concepts.

5420 - Biology II

Level C * 1 Credit * Semester-Both Restrictions-Students must have passed Biology I or Applied Chemistry and Applied Biology.* *

Biology II is a college preparatory class which continues the study of organisms of the animal kingdom, their requirements, their interactions, and the changes which allowed more complex organisms to survive in more varied environments. It also includes the study of genetics, new technologies associated, and work with university researchers to study plant genetics locally and globally. A knowledge of the principles taught in Biology I or Applied Biology is required.

6140 - Career & Family Leadership

Level C-V * 1 Credit * Semester-Both * Restrictions-No

A comprehensive instructional program for students in grades 9-12. It describes the general study of family and consumer sciences and includes the study of how individuals develop and function in family, work, and community settings and how they relate to their physical, social, emotional, and intellectual environments. Career exploration and its impact on families is a key component.

6150 – Nutrition and Wellness

Level C-V * ½ Credit * Semester-First or Second * Restrictions-NO

An instructional program that prepares individuals to understand the principles of nutrition; the relationship of nutrition to health

and wellness; the selection, preparation and care for food; and meal management to meet individual and family food needs. Careers related to foods, nutrition and wellness will be explored.

6170 – Family and Consumer Resource Management

Level C-V * (offered odd years) * ½ Credit * Semester-First or Second * Restrictions-NO

An instructional program that prepares individuals to understand the values, needs, wants, goals, and resources that enable youths and adults to make rational decisions that contribute to family stability and quality of life. Includes instruction in budgeting and spending plans, use of credit, savings, investments, taxes, consumer buying, and consumer rights and responsibilities.

6180 - Child Development: Care and Guidance

Level C-V * ½ Credit * Semester-First or Second * Restrictions-NO

An instructional program that prepares individuals to understand children's physical, mental, emotional, and social growth and development, as well as their care and guidance. The program draws on aspects of the social and biological sciences of which Family/Consumer Sciences is a component. Observation and actual experiences with children are included in the program.

6181 – Housing, Home Furnishings and Equipment

Level C-V * (offered even years) * ½ Credit * Semester-First or Second * Restrictions-NO

An instructional program that prepares individuals to develop skills for creating safe, healthy living environments in their futures. Students will study homes inside and out including housing styles, principles of design and furniture styles. Students will create and evaluate floor plans and furniture arrangements. Students will compare housing alternatives; examine rental leases and the home buying process. Careers related to housing and interior design will be explored.

6190 - Marriage and Family Relationships

Level C-V * ½ Credit * Semester-First or Second * Restrictions-NO

An instructional program that prepares individuals to develop skills for understanding human relationships in single, married and family living. Students will construct meaning related to problem-solving that will: impact individual living; that strengthen and maintain family relationships; prepare individuals for marriage; and reduce disruptive conditions that destabilize families. Practical skills necessary for a rewarding adult life such as self-understanding, interpersonal communication skills, and preparation for love relationships will be learned.

7100 - Art I

Level C-V * 1 Credit * Semester-Both * Restrictions-NO

Intro. to Art is a foundation level art course designed to introduce students to basic drawing/art techniques and a variety of art media such as paint, pastel, etceteras. This course will familiarize students with a number of drawing methods, as well as the principles of composition and design. The course stresses "how-to" information and techniques. Students will receive in-class demonstrations and will be expected to apply demonstrated techniques and methods in their artwork. Most all artwork is done in the art room, occasionally there may be research homework given.

7101 – Exploring Art

Level C-V * 1 Credit * Semesters – Both * Restrictions – NO

This is a very basic Art class. It will fulfill a fine art requirement and is not designed for the more serious art student.

7152 - Chamber Singers

Level C-V * 1 Credit * Semester-Both * Restrictions - The instructor, on the basis of audition, makes selection of students. Limited enrollment is necessary.

This is the select high school choir made up of all grade levels. Major concentration is on literature with performances and choral contests. Work on literacy, however continues (intervals, ear-training, history, form, etc.). Membership in this group will be held to no more than 30 voices. Students must audition and are not approved until reaching an acceptable level of proficiency. **Attendance at all assigned performances is mandatory and is a factor in grading.**

7153 – Mixed Chorus

Level C-V * 1 Credit * Semester-Both * Restrictions-NO

Moberly High School Mixed Chorus meets daily to develop vocal techniques, understanding of choral literature, and basic music literacy. This choir concentrates on mastering fundamentals of proper vocal production including ear training and sight-reading. This choir participates in at least two performances a year. This class may be taken by any student interested in singing and is considered a prep choir for the advanced Concert Chorale or Chamber Singers. **Attendance at all assigned performances is mandatory and is a factor in grading.**

7160 – Music Appreciation and Intro to Guitar

Level C-V * 1 Credit * Semester-Both * Restricted to 20 students per class and use of only school provided instruments is allowed. Students must pass first semester with at least a "C+" to continue on to Intro to Guitar.

Music Appreciation is designed to provide the student with a background and awareness of the history and development of music in our culture. The advance of music practices and influences in society will be presented through reading, lecture and assignments. An understanding of the history, fundamentals, notation and reading of music will be a focus of the first semester of the class. The second semester will incorporate frequent self-study and practice time, so self-motivation and innate attention to task will be necessary for students to succeed. This half will reinforce concepts of notation and harmony through the use of guitars as melodic harmonic and rhythmic instruments. While no public performances are required, in-class skill demonstrations and assessments are necessary.

7171 (7371 DC) - Symphonic Band

Level C-V * 1 Credit * Semester-Both * Restrictions - Previous instrumental instruction.

Symphonic Band will be offered to all grade levels. Students will pursue more advanced instrumental training, and will perform more advanced literature.

Students in the Symphonic Band will participate in local performances, and will have the opportunity to participate in solo and ensemble festivals. Students in Symphonic Band and Concert Band will combine in the fall of the year for performances of the MHS Marching Spartan Band. **Attendance at all assigned performances is mandatory and is a factor in grading.**

The instructor, through auditions, will determine placement in Symphonic Band. The instructor will consider instrumentation and balance when selecting students for this band.

*Dual credit is available for this class through Moberly Area Community College. Juniors and seniors who have a 3.0 gpa or above are eligible. Students enrolled for dual credit must prepare and audition for the Northeast All District Band in November.

7172 - Concert Band

Level C-V * 1 Credit * Semester-Both * Restrictions - Previous instrumental instruction.

Concert Band will be offered to all grade levels. Students will continue fundamental to intermediate instrumental training through the use of selected method materials and concert literature.

Students in the Concert Band will participate in a number of local performances, and will have the opportunity to participate in solo and ensemble festivals. Students in Concert Band and the Symphonic Band will combine in the fall of the year for performances of the MHS Marching Spartan Band. The instructor through auditions will determine placement in the Concert Band. **Attendance at all assigned performances is mandatory and is a factor in grading.**

7180 - Jazz Ensemble

Level C-V * 1 Credit * Semester-Both * Restrictions - Must be simultaneously enrolled in band. Instructor on the basis of auditions makes selection of students. Limited enrollment is necessary.

Jazz Ensemble will be offered to all grade levels. Students will explore jazz through study and ensemble participation. Live performances will be emphasized, however, history and theory of jazz will be studied. The Jazz Ensemble will participate in various festivals throughout the area, and will perform within the community. **Attendance at all assigned performances is mandatory and is a factor in grading.**

7210 - Introduction to Theatre

Level C-V * 1 Credit * Semester-Both * 9-12 grade levels. Restrictions-NO

An introductory level course designed to explore the historical foundations of the theatre from ancient Greece to the present day and to give students exposure in areas of various theatre-related disciplines: sets, costumes, lights, sound, acting, directing, play writing.

Emphasis is placed on authentic learning. While basic elements of the text will still be incorporated, this class will primarily center on specific projects in which students apply text-based knowledge to a real situation. Evaluation of finished products will serve as the primary basis for grading. Attendance at one live production each semester is required.

7212 – Theatre Arts (Advanced)

Level C-V * 1 Credit * Semester-Both *10-12 grades * Restriction: Teacher approval; Completion of Intro to Theatre with at least a “C”

This course allows students to study the areas of acting, directing, and playwriting in more depth than the Intro. to Theatre course. The students will participate in major acting and directing projects and do in-depth study on plays and playwrights. The class has a moderate homework load that consists mostly of preparing and practicing for performances in class.

7214 – Advanced Debate and Forensics

Level C-V * 1 Credit * Semester-Both * 10-12 grades*

Restriction: Teacher approval; Completion of Debate or Oral Interpretation with at least a “C”

This course is an advanced, college preparatory class that provides instruction on varsity level strategies for Debate and Forensic events. Students will further their knowledge and skills of research, analysis, persuasive speaking, debate theory, and performance techniques learned in Debate and Oral Interpretation. Requirements for the course include after school practice sessions and weekend tournament competitions as prescribed by the

director of debate and forensics. All students will be required to assist with hosting an invitational tournament.

7220, 7310, 7410 - Art II, III, IV

Level C-V * 1 Credit * Semester-Both * Restrictions-YES

Art II, III, and IV are advanced art courses which delve deeper into art techniques and methods as well as provide a greater latitude for personal creativity. There is a greater emphasis on drawing from life in addition to rendering from reference photos or drawings. (Students should make a B+ or higher to be admitted into advanced art classes and have instructor's recommendation.)

7250 - Concert Chorale

Level C-V * 1 Credit * Semester-Both * Restrictions-The instructor, on the basis of audition, makes selection of students. Limited enrollment is necessary.

Moberly High School Concert Chorale meets daily to develop vocal techniques, understanding of choral literature, and basic musical literacy. The class participates in at least two performances a year, possibly being incorporated into one or two choruses of a larger work with an advanced choir. The class may be taken by any student approved by teacher and should be considered a prep choir for the advanced Chamber Singers. **Attendance at all assigned performances is mandatory and is a factor in grading.**

8100 - Adaptive Physical Education

Level C-V * ½ Credit * Semester-First or Second * Restrictions - This course would include identified handicapped students whose adapted P.E. requirements are listed on their I.E.P. as well as students the school may recognize as needing an adapted program for an extended period of time.

This course is designed to meet the individual needs of students who require an adapted program. This course would fulfill the physical education requirement for either 9th or 10th grade or could be taken both years depending on the situation.

8130-8160 - Freshman Physical Education

Level C-V * ½ Credit * Semester-First or Second * Restrictions-NO

Freshman Physical Education will stress the rules and basic skills of team activities (such as softball, volleyball, football, and basketball), and individual and dual activities (such as table tennis, badminton, pickle-ball, aerobic exercise, and fitness/conditioning skills). Physical education classes are co-educational.

8140 - Health Education

Level C-V * ½ Credit * Semester-First or Second * Restrictions-NO * ½ unit of Health Education will be required for all students beginning with the Class of 1998.

This course helps students realize that health is far more than the absence of disease, it is a positive state of physical, mental, and social well being. Health education makes students aware that the major health hazard in our society is our own lifestyle. It is important that students develop habits and attitudes that can enhance the quality of life, prevent disease, and promote wellness. All 9th graders will be scheduled into Health opposite their Physical Education class during one semester.

8230 – Aerobic Fitness/Walking

Level C-V * ½ Credit * Semester-First or Second * Restrictions-NO

This course is designed to introduce basic fitness through walking or movement activities. Emphasis of the course is placed on flexibility, muscular balance, and conditioning of the body

through types of light activity. Additional components of fitness such as fluid needs, target heart rate, injury prevention and weight management will be highlighted.

8260-Lifetime Sport and Fitness

Level C-V*1/2 Credit*Semester-First or Second*

Restrictions-NO

This course is designed to promote fitness through physical activity that revolves around leisure time sports. Basic skills of social team sports will be highlighted as well as a strong emphasis being placed on recreational activities that can be done individually or in groups.

8280 - Physical Conditioning

Level C-V * 1/2 or 1 Credit * Semester-First and/or Second *

Restrictions - : Students must have passed one unit of physical education.

Physical Conditioning is a course offering classroom and lab work concerning conditioning of the human body. Classroom work will consist of discussion and understanding of the physiology behind the physically fit body. The laboratory portion of the course will be a

program of activities designed to improve strength, flexibility, and muscular balance. Physical Conditioning classes are co-educational.

Moberly Area Technical Center Course Descriptions

1. AGRICULTURE AND NATURAL RESOURCES-

Articulated credit is available for this program. Embedded credit is available in this program if students meet the hourly enrollment requirement.

Agricultural Management

GRADES 9-12*offered 2010-2011 school year*1/2 credit*1st semester*

This course is designed to give instruction in economic principles, planning and business management. Students taking this course will learn to make economic decisions responsibly. FFA is an integral part of the course, offering the opportunity to be involved in leadership activities and to receive recognition for accomplishments made pertaining to classroom achievements.

Advanced Livestock & Crop Production

GRADES 9-12*offered 2011-2012 school year*1/2 credit*2nd semester*

Advanced Livestock is an advanced course in animal science which includes instruction in animal breeding, genetics, animal nutrition, livestock management, marketing and economics in livestock production. Crop Production is an advanced course which offers instruction in plant science and gives attention to soils, chemicals, fertilizer, marketing, plant feeding, field crop management, and economics in field crop production. FFA is an integral part of the course, offering the opportunity to be involved in leadership activities and to receive recognition for accomplishments pertaining to classroom achievements.

Agribusiness I

GRADES 9-12*offered 2011-2012 school year*1/2 credit*1st semester* Required course for Agricultural Cooperative Education students to take concurrently.

Agribusiness I is a course designed to develop competencies needed to get a job in the field of agribusiness. It develops skills in job resumes, how to sell, how to communicate with customers, job interviews and related areas. The units include; 1)how agribusiness functions, 2)human relations in agribusiness, 3)verbal communications, 4)written communication, 5)sales and selling, 6)advertising and display, 7)recordkeeping, and 8)microcomputers in agribusiness. FFA is an integral part of the course, offering the opportunity to be involved in leadership activities and to receive recognition for accomplishments made pertaining to classroom achievements.

Agribusiness II

GRADES 9-12*offered 2010-2011 school year*1/2 credit*2nd semester*Required course for Agriculture Cooperative students to take concurrently.

Agribusiness II is an advanced course designed to continue competencies in Agribusiness I. The units include; (1)verbal communications, (2)written communications, (3)verbal sales of products, (4)budgeting, (5)how to advertise, (6)business procedures, (7)personal management and advancement, (8)microcomputers in agribusiness. FFA is an integral part of the course, offering the opportunity to be involved in leadership activities and to receive recognition for accomplishments pertaining to classroom achievements.

Horticulture I/II

GRADES 9-12*1 credit*all year*

This course is designed to give instruction in the areas of exploring the horticulture field, greenhouse management, pest control, growing plants, landscaping, lawn and turf management, gardening and floral designs. A greenhouse will be available for practical hands-on laboratory experience as related to the classroom. FFA is an integral part of the course, offering the opportunity to be involved in leadership activities and to receive recognition for accomplishments made pertaining to classroom achievements. To enroll in Horticulture II, students must have successfully completed Horticulture I.

Agriculture Construction I/II-Metals

GRADES 9-12*1 credit*all year*

This course is designed to teach basic welding procedures, techniques and methods. Experience will be provided in arc, mig and oxyacetylene gas on mild steel. Approximately 80% of this class will be shop instruction. Shop work will be limited to practicing the basic welds and developing skills. It also consists of major metal projects as related to agricultural operations. FFA is an integral part of the course, offering the opportunity to be involved in leadership activities and to receive recognition for accomplishments made pertaining to classroom achievements. To enroll in Agriculture Construction II-Metals, students must have successfully completed Agriculture Construction I-Metals.

Agriculture Construction I/II-Woods

GRADES 9-12*1 credit*all year*

This course is designed to give instruction in the basics of wood construction. Units include fine woodworking skills, measurement, small and large project development, tool identification and shop safety. Students wishing to keep their projects must provide their own material. FFA is an integral part of the course, offering the opportunity to be involved in leadership activities and to receive recognition for accomplishments made pertaining to classroom achievements. To enroll in Agriculture Construction II-Woods, students must have successfully completed Agriculture Construction I-Woods.

Animal Science

GRADES 9-12*1 credit*all year

This course is designed to give instruction in the traditional areas of animal science. Nutrition, genetics, anatomy, animal care and reproduction are examples of areas of study. This course will offer practical experience and field trips. Shop work will be a part of this course as it relates to the area of study. FFA is an integral part of the course, offering the opportunity to be involved in leadership activities and to receive recognition for accomplishments made pertaining to classroom achievements.

Conservation and Natural Resources

GRADES 9-12*offered 2011-2012 school year*1 credit*all year

This course is designed to give instruction in the areas of conservation, natural resources, wildlife, and forestry. Units include natural resource conservation, wildlife management, wildlife and fish identification, ornithology (birds), reptiles, amphibians, entomology (insects), and careers in conservation and natural resources. FFA is an integral part of the course, offering students the opportunity to be involved in leadership activities and to receive recognition for accomplishments made pertaining to classroom achievement.

Fish and Wildlife Management/Forestry

Grades 9-12*offered 2010-2011 school year*1 credit*all year*

This course is designed to give instruction in the areas of fish, wildlife and forestry. Units include natural resource conservation, conservation careers, fish and wildlife values, habitat management principles and techniques, animal life histories, fish and wildlife protection. Forest units include the importance of forest resources, identifying Missouri trees, planting trees, forestry tools and equipment and timber stand improvement. FFA is an integral part of the course, offering the opportunity to be involved in leadership activities and to receive recognition for accomplishments made pertaining to classroom achievements.

Landscaping and Turf Management I/II

GRADES 9-12*2 credits*all year

This course is designed to give instruction in landscaping and turf management and to develop entry level skills in designing landscapes for homes and businesses as well as taking care of athletic fields and golf courses. Units include how plants grow; use of hand and power tools; installation of trees, shrubs, bedding plants, ground covers, turf grass; site analysis and evaluation; plant identification and selection; design elements and cost estimates. Students examine science as both content and process. Practical experience outside the classroom on-site will be provided. Students will perform actual landscaping work. Appropriate dress is recommended. FFA is an integral part of the course, offering the opportunity to be involved in leadership activities and to receive recognition for accomplishments made pertaining to classroom achievements. To enroll in Landscape and Turf Management II, students must have successfully completed Landscape and Turf Management I.

Agricultural Cooperative Education

GRADES 11-12*1-2 credits*all year*Restrictions – Students’ workstation must be a full time agriculture business with approval of agricultural instructor. All credit earned depends on exact number of weekly hours worked. Averaging work hours is not allowed. Students must be concurrently enrolled in Agribusiness I or II. Participation in the Agricultural Cooperative Education Program will follow all requirements as set down in the current program requirements published by the Agriculture Program.

This course is designed for an agriculture student to train at an instructor-approved agricultural or related workstation. The work

must be paid work, with earned academic credit depending upon the number of certified work hours engaged in weekly by the student. All workstations MUST be pre-approved by the instructor before enrollment in the course.

Credit:

- 1 credit earned for working 10-19 hours per week.
- 2 credits earned for working 20 or more hours per week.

2. AUTOMOTIVE TECHNOLOGY-Articulated credit is available for this program. Embedded credit is available in this program.

Automotive Technology I/II

GRADES 11-12*3 credits*all year* This program is certified by the National Automotive Technicians Education Foundation (NATEF). Recommendations - Students should have a good math and science background.

The Automotive Technology program teaches students to service and repair automobiles. Course content covers development of inspection skills, diagnosis of malfunctions, disassembly, repair or replacement of automobile engines, power trains, steering, brakes, electrical systems and air-conditioning. Instruction includes proper use of diagnostic test equipment and tools used in the repair process. This course is a two-year, half-day program, open to juniors and seniors for 3 units of credit each year. To enroll in Automotive Technology II students must successfully complete Automotive Technology I.

3. BUILDING TECHNOLOGY-Articulated credit is available for this program. Embedded credit is available in this program.

Building Technology I/II

GRADES 11-12*3 credits*all year* Recommendations - Student should have a good math and general science background, mechanical aptitude, dexterity, balance and good hand-eye coordination.

The Building Technology program teaches students the basics of carpentry, masonry, electrical wiring and plumbing as related to residential structures. Students learn how to operate hand and power tools commonly used in the construction trades. Students also receive instruction in first aid, safety, and communication skills. Second year students can specialize in estimating, supervision, layout and problem solving. The course is a two-year, half-day program open to juniors and seniors for 3 units of credit each year. To enroll in Building Technology II, students must successfully complete Building Technology I.

4. BUSINESS AND TECHNOLOGY-Articulated credit is available for this program.

Computer Applications

GRADES 9-12*1 credit*all year*

This course is designed to help students master beginning and advanced skills in the areas of word processing, database management, spreadsheet applications, desktop publishing, multimedia, Internet usage, and integrated software applications. MS Office 2007 XP will be used in this course.

Business Professional Essentials

GRADES 10-12*1 credit*all year*Prerequisite: Computer Applications-both semesters

Place yourself ahead of other business professionals by taking this course designed to help you master concepts and skills beyond entry-level positions. Develop the necessary skills that lead to success in a competitive, customer-focused, business-driven career. Students will complete projects and activities designed to gain knowledge of the high-skill, high-wage world of business. Students will also be trained to use the new technology currently found in the workplace such as smart phones, personal data assistants (PDAs), computers, etc.. Business communication

skills including proper business etiquette; computer etiquette; writing and distribution of e-mail, text, memos, and letters will be taught. Through this course, students will develop the poise, confidence, and good work attitudes required to be successful in a business environment.

Graphic Arts

GRADES 10-12*1 credit*all year* Prerequisite: Computer Applications-both semesters

This is an introductory course designed to prepare students for employment in a career area which includes graphic arts skills. Students develop proficiency in the areas of: publication set-up, typography concepts, managing images, demonstrating design concepts, and performing print processes. This course follows industry standards for professional layout and design in the world of publishing using Adobe CS3 software. Students learn the basics of how to create professional looking documents in a creative graphic design atmosphere.

Multimedia

GRADES 10-12*1 credit*all year*Prerequisite: Computer Applications-both semesters

This course addresses the technological skills required of students to create effective electronic presentations for companies. The demand for multimedia knowledge and ability to apply it will continue to increase as businesses utilize multimedia functions such as graphics, audio, video, and electronic presentations. Students will work with multimedia software to develop advanced electronic presentations. They will learn how to manipulate text, art, graphics, photography, animation, audio, and video for presentations in various media formats.

Web Design

GRADES 10-12*1 credit*all year*Prerequisites: Computer Applications-both semesters

Rapid technological advancement by businesses to reach global markets, greater focus on industry certifications and national skill standards, expansion of responsibilities of office workers, portability of employee skills – all these increase the need for business students in career education programs to have skills in Web design and maintenance. This course deals with the use of HTML, graphics applications, and other Web authoring tools to design, edit, launch, and maintain Web sites and pages. Such topics as Internet theory, Web page standards, Web design elements, user interfaces, special effects, navigation, and emerging Web technologies will be included.

Accounting I

GRADES 10-12*1 credit*all year*

This course introduces double-entry accounting. It covers the complete accounting cycle in its simplest form and then expands the cycle by using special journals, subsidiary ledgers, and detailed financial statements. Microcomputers and practice sets will be used to reinforce accounting concepts. Additional units include instruction in payroll, checking accounts, the 10 keypad, and preparation of personal income tax returns. This course reinforces needed skills, characteristics, and attitudes, not just for business purposes, but for everyday living. Students will learn principles that are important for personal use, for use by all business workers, for use in decision-making by management, and to prepare for a career.

Accounting II

GRADES 11-12*1 credit*all year*Prerequisite: Computer Applications and a minimum grade of "C" in Accounting I.

This course is designed to help students acquire a more thorough, in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial

decisions. Students will develop skills in analyzing and interpreting information common to partnerships and corporations, preparing formal statements and supporting schedules, and using inventory and budgetary control systems. The entire accounting cycle is expanded manually and on the computer using Excel and Peachtree Accounting software. This program is highly recommended for anyone planning to attend college to be a Certified Public Accountant (CPA), in a business-related field, or for anyone planning to enter the workforce as a bookkeeper.

Business Principles & Management

GRADES 10-12*1 credit*all year*

Are you interested in how business is organized, owned, and managed? Business Principles and Management is designed to provide an understanding of the characteristics, organization, and operations of business. The course is geared to students who are exploring the possibility of a career in business and focuses on the role of the manager. Students will learn principles and concepts that will aid them in becoming effective members of the business community, studying such topics as business environment, types of ownership and the law, information and communication systems, production and marketing, finance, human resources, and management. Business law topics such as torts; contracts-proper form, discharge and remedies for breach; employment contracts, regulations and employee protections; buying and selling goods; personal property and bailment will also be covered. This course is especially recommended for those who will continue in any area of business at the college level or for those who have an interest in owning and operating their own business.

Personal Finance

GRADE 10*1/2 credit*either semester*Required for students to graduate.

Understanding and managing personal finances are key to one's future financial success. This one-semester course is based on the Missouri Personal Finance Competencies and presents essential knowledge and skills to make informed decisions about real-world financial issues. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success.

Supervised Business Experience (SBE)

GRADES 11-12*1-2 credits*all year* Restrictions--1. The student must be at least 16 years old and a junior. 2. The student must be enrolled in a technical business class and be responsible for transportation to and from the worksite. Enrollment is by approval of the SBE Coordinator.

This course offers a supervised learning experience through the cooperation of school and business. It provides an opportunity for students to attend classes at school and work in a business office to apply business knowledge, skills, and techniques to a specific job situation. Earned credit depends upon the number of certified hours worked per week by the student. The instructor MUST approve all workstations. The student must also be enrolled in a technical business course at the same time as earning Supervised Business Experience credit.

Credit:

- 1 credit earned for working 10-19 hours per week; 2 credits earned for working 20 or more hours per week.

5. COLLISION REPAIR TECHNOLOGY-Articulated credit is available for this program. Embedded credit is available in this program.

Collision Repair Technology I/II

GRADES 11-12*3 credits*all year* This program is certified by the National Automotive Technicians Education Foundation (NATEF). Recommendations – Students should have the ability to understand and apply math skills, general knowledge of the use of hand and power tools, possess good hand-eye coordination, manual dexterity and be free from allergies.

Students in Collision Repair Technology will learn to repair damaged vehicles to their pre-accident condition using the same state-of-the-art equipment used in industry. Students in Collision Repair Technology I will be introduced to the different types of technology used in collision repair. They will use hand and power tools; learn to raise and support vehicles; repair sheet metal, plastic and fiberglass; use plastic body filler; replace panels; and be introduced to refinishing. In addition, first year students will learn how to complete damage reports used for estimating. Students enrolled in Collision Repair Technology II will repair panels made of plastic, metal, and fiberglass; replace whole panels; practice refinishing; learn frame repair; and repair suspension systems. Collision Repair Technology students receive practical experience in auto body repair, parts replacement, automotive painting, welding, and frame straightening. This course is a two-year, half-day program open to juniors and seniors for 3 units of credit each year. To enroll in Collision Repair Technology II, students must successfully complete Collision Repair Technology I.

SEM CERTIFIED TECHNICIAN

Students completing in-shop training can be SEM certified in the following areas: 1. Plastic Repair and Refinishing; 2. Interior Repair; 3. Metal Bonding; 4. Spray-on Bedliners.

PRO SPOT WELDING SYSTEMS TECHNICIAN

Students completing in-shop training can be Pro Spot certified in basic Squeeze Type Resistance Spot Welding and Weld Testing.

6. COMPUTER AIDED DESIGN DRAFTING-Articulated credit is available for this program. Embedded credit is available in this program.

Introduction to Engineering and Architectural Design

GRADE 10-12*1 credit*all year* Recommendations: Good math background and basic computer skills.

Students will be introduced to the evolving technologies of Engineering and Architectural design. This course is designed for the student who is aspiring to become a designer, engineer, or architect. This course explores the basics of drafting and design concepts through a state-of-the-art computer aided drafting lab and model building activities to develop fundamental skills of mechanical and architectural design.

Computer Aided Design Drafting I/II

GRADES 11-12*2-3 credits*all year* Recommendations: Good math background and basic computer skills.

This course is designed for the aspiring drafter, designer, engineer, architect, or technical illustrator. The Computer Aided Design Drafting program prepares students with the knowledge and skills necessary to complete detailed drawings, 3D models, prints, and sketches used in today's industries. This course provides students with industry design situations while using Computer-aided Drafting (CAD) systems. Upon successful completion, students will have an understanding of manufacturing processes, production drawings, advanced 3D modeling, design concepts, and advanced CAD skills. Instruction covers all areas within the drafting field and drafting room procedures. This course is a two-year program open to juniors and seniors for 2-3 units of credit each year. In the event of over-enrollment in Computer Aided Design Drafting I, a basic visualization/math aptitude assessment, which emphasizes skills needed to be

successful in this course, will be administered to determine final enrollment. To enroll in Computer Aided Design Drafting II, students must earn a minimum of 'C-' each semester in Computer Aided Design Drafting I.

7. COMPUTER INFORMATION SYSTEMS-Articulated credit is available for this program. Embedded credit is available in this program.

Computer Information Systems I/II

GRADES 11-12*3 credits*all year* Prerequisite: Computer Applications and **NO** computer violations for school year previous to enrollment (students may appeal this decision, in writing, to the MATC director within 5 days of enrollment rejection notification).

Computer Information Systems (CIS) is an intense two-year program open to juniors and seniors designed to prepare students to enter the field of Information Technology (IT) Professionals. Students will learn to design, build and troubleshoot personal computers, laptops, and network servers. Students will be introduced to operating systems with advanced study in Windows XP, Vista, Windows 7, Server 2008, Linux and MAC. Students will learn basic network setup, network administration, local area network (LAN), wireless local area network (WLAN), and wide area network (WAN) configuration. Students will be introduced to basic robotic programming, 3-D Graphics and basic computer programming including C++ and Visual Basic. They will also create websites and maintain a web server. Students will acquire the necessary knowledge and skills needed to pass the IC3 Certification, a nationally recognized testing program that certifies the competency of entry-level computer service technicians. This is a two-year, half day program for 3 credits each year. To enroll in CIS II students must pass Unit I of the IC3 certification and earn a minimum of a "C" each semester in Computer Information Systems I.

8. COOPERATIVE CAREER EDUCATION

Cooperative Career Education

GRADE 11-12*1-3 credits*all year* Restrictions - The program coordinator must approve the optional training station.

This class prepares students for employment. Students enrolled in this program will receive classroom instruction encompassing employer-employee relations, self-knowledge, career exploration, working with others in teams, and how to apply and resign from a position. Students will explore the world of work through various educational methods and will conduct in-depth career research through the Internet. Additional units will cover workplace readiness and economics at work. Students enrolled in CCE may opt to enroll for Cooperative Education credit if they have a coordinator approved training station.

- 1 credit earned for classroom instruction.
- 2 credits earned for classroom instruction AND working 10-19 hours per week.
- 3 credits earned for classroom instruction AND working 20 or more hours per week.

9. ELECTRONICS TECHNOLOGY-Articulated credit is available for this program. Embedded credit is available in this program.

Introduction to Electronics Technology

GRADE 10*1 credit*all year

Students will be introduced to the exciting field of electronics technology through a state-of-the-art lab. If you are interested in becoming an electrical engineer, electronic technician or gaining the foundational skills used in many technical fields from automotive, computers to lasers, robotics to fiber optics, this is the course for you. You will be engaged in hands-on labs that will

develop your knowledge and skills in AC and DC and simple digital electronics. You will learn how these circuits are used in audio-video surveillance systems, robotics, lasers, avionics, bio-medicine, and computers.

Electronics Technology I/II

GRADE 11-12*3 credits*all year

Students in Electronics Technology will learn the necessary skills needed to prepare for the field of electronics. From basic DC/AC electronic theory to advanced digital applications, students will design, build and test a variety of electronic circuits. A “hands-on” intense program, students will work in a progressive lab with state-of-the-art test equipment. During the first year students will be introduced to audio-video surveillance, robotics and sound system installation. During the second year students will learn advanced-security systems, robotic programming, fiber optics and advanced sound system programming. Students also have the opportunity to become IS CET certified (see below). This course is a two-year, half-day program open to juniors and seniors for 2-3 units of credit each year. To enroll in Electronics Technology II, students must successfully complete Electronics Technology I.

INTERNATIONAL SOCIETY FOR CERTIFIED ELECTRONICS TECHNICIANS (I.S.C.E.T.)

Recommendations: Algebra

Upon completion of Electronics Technology I, students can take the Associate-Level CET test (for technicians or students with less than four years of experience). Testing for the Journeyman-Level CET is also available.

INTERNATIONAL MUSICAL INSTRUMENT TECHNICAL ASSOCIATION (I.M.I.T.A)

Upon completion of Electronics Technology II, students can take the test to be certified through I.M.I.T.A. as a technician.

10. MACHINE TOOL TECHNOLOGY-Articulated credit is available for this program. Embedded credit is available in this program.

Introduction to Machine Tool Technology

GRADE 10*1 credit*all year

If you are mechanically inclined, creative, enjoy challenging work, like to fix things, like using your mind and hands to build things, then you need to enroll in Introduction to Machine Tool Technology! You will experience the excitement of producing your own projects in a state-of-the-art machining lab. While creating your projects, you will learn basic machining information and techniques. You will also have the opportunity to develop advanced machining skills and knowledge by the time you leave high school.

Machine Tool Technology I/II

GRADES 11-12*2-3 credits*all year*Recommendations:

Students should have a good math background.

Students will learn to operate lathes, milling machines, grinders and computer numerical control (CNC) machines to fabricate many different projects from steel and aluminum. Skills are taught through classroom instruction and hands-on training. Second year students learn Mastercam programming for CNC operations, metallurgy, heat treatment, and precision grinding. The Machine Tool Technology program provides students with training for the following career areas: CNC Operators, Quality Control Engineers, Production Engineers, Tool and Die Apprentice, Lathe Operation, Milling Machine Operation, Surface Grinder Operation, and Precision Measurement. Students completing the Machine Tool Program enter the job market with the potential for high employment and high wage opportunities or enter post-secondary education with a solid background in

machining. The course is a two-year, half-day program open to juniors and seniors for 3 units of credit each year. To enroll in Machine Tool Technology II, students must successfully complete Machine Tool Technology I.

11. MARKETING-Articulated credit is available for this program.

Marketing I

GRADES 10-12*1-3 credits*all year * Recommendations:

Computer Applications, math skills, communication skills

This course is designed to help students develop basic knowledge, skills and attitudes that will prepare them to enter the field of employment and marketing. Marketing enters into almost any career a student may choose building a solid understanding of business. This course emphasizes the foundations of business, management, and entrepreneurship in economics, professional development, communication and interpersonal skills. These foundations include distribution, financing, selling, pricing, and promotion. Skills in communications, mathematics, and psychology are reinforced in this course. The latest technology in marketing sales, mass media, research, and customer service presentation techniques will also be emphasized. Work-based learning strategies appropriate and approved for this course include job shadowing, paid/unpaid internships, school-based enterprises, field trips, and/or cooperative education. Students enrolled in Marketing I may opt to enroll for additional credit if they have a coordinator approved training station.

- 1 credit earned for classroom instruction.
- 2 credits earned for classroom instruction AND working 10-19 hours per week.
- 3 credits earned for classroom instruction AND working 20 or more hours per week.

Advanced Marketing

GRADES 11-12*1-3 credits*all year* Prerequisite:

Successful completion of Marketing I. Recommendation: advanced computer skills.

This is a culminating course for juniors/seniors who are career-focused in marketing, business, sales and technical services, travel tourism, recreational marketing, business management and small business/entrepreneurship, and fashion merchandising. Students demonstrate the ability to use content and apply knowledge to real-world situations in a career major. This course also introduces students to the rewards and risks of owning or operating a business enterprise. Emphasis is placed on the mastery of skills needed to plan, organize, manage, and finance a small business. In addition, they will also demonstrate the ability to write, speak, apply knowledge, problem-solve, and use life skills such as time management, planning, follow-through, and organization. Students work under the guidance of a teacher facilitator in collaboration with community members, business representatives, and other school-based personnel. Work-based learning strategies appropriate for this course include job shadowing, paid/unpaid internships, school-based enterprises, field trips, and/or cooperative education. Students enrolled in Advanced Marketing may opt to enroll for additional credit if they have a coordinator approved training station.

- 1 credit earned for classroom instruction.
- 2 credits earned for classroom instruction AND working 10-19 hours per week.
- 3 credits earned for classroom instruction AND working 20 or more hours per week.

12. MEDICAL TECHNOLOGY- Articulated credit is available for this program. Embedded credit is available in this program if students meet the hourly enrollment requirement.

Preparation for Medical Professions (Pre-med)

Grades 11-12*2 credits*all year*Recommendations–Student should have an interest in science and enjoy working with people.

This two hour block course is designed for junior and senior level students who desire to pursue a medical career. The curriculum of the program will enhance students' medical career education by developing a solid foundation of knowledge and skills necessary for obtaining a medical career. The content of the program will expand students' knowledge about the multitude of job opportunities in the health care industry plus enhance their knowledge regarding the nature of work, educational requirements/training, employment, earnings, and career outlook. Students will learn basic skills such as how to take vital signs, cardio-pulmonary resuscitation (CPR), first aid, body mechanics, etc. Students will also have opportunities to meet and talk with current health care professionals, tour a variety of health care settings, and interact with "patients" by participating in screening clinics at various local businesses (ex., blood pressure, vision, etc.).

Medical Informatics

Medical Anatomy

Grades 10–12 *1/2 credit* 1st semester*

This course is designed for students interested in pursuing a medical career. The curriculum of the program is designed to help students develop a solid beginning foundation in anatomy and physiology. The Anatomy in Clay curriculum emphasizes hands-on learning as students use manikins and clay to build the anatomy systems of the human body. The content of this class will enhance students' knowledge base needed for pursuing a medical career.

Medical Skills

Grades 10–12 *1/ 2 credit*semester*

This course is designed to help familiarize students with some of the basic safety and health care skills a medical professional first develops. Included in the curriculum, but not limited to, is the practicing of such skills as cardiopulmonary resuscitation, first aide, vital signs, transfers, and principles of infection control.

Medical Terminology

Grade 10-12 *1/2 credit*semester*Articulated credit is available for this course.

This course is designed to help students acquire the medical language used by health care professionals. The curriculum is presented in an easy format which helps students break down every term into its components. By understanding how each term is formed, students can then better identify and understand new medical terms. In addition, each chapter profiles a different health profession and body system while prompting students to master each term and its pronunciation by practicing pronouncing new terms with the aid of an audio glossary.

Introduction to Medical Administration

Grade 10-12 *1/2 credit*semester*

This course is designed to review students' basic math skills, then apply those skills to practical math applications utilized by medical career professionals. The curriculum is presented in a problem solving format utilizing applications from different medical fields. The content of this course is intended to build a beginning foundation of knowledge by applying and using

examples of medication administration and procedures used by medical care professionals. **NO medication will be administered in this course.**

Medical Pathophysiology

Grade 10-12 *1/2 credit*2nd semester*

Prerequisite: Successful completion of Medical Anatomy or Anatomy and Physiology.

This course is designed to build on prior basic anatomy and physiology knowledge. The curriculum makes Pathophysiology (the changes/symptoms that accompany a particular syndrome or disease) incredibly easy to learn by using vivid graphic characters. The characters and pictures help students maximize their power of visual thinking in understanding Pathophysiology. Content includes basic descriptions of how disorders occur, what signs to look for, and if there are risk factors that contribute to disorders, all of which help prepare students pursuing medical careers.

Medical Contemporary Issues

Grades 10-12*1/2 credit*semester*

This course is designed to build an awareness and understanding of current issues occurring in the field of medicine. Through the use of group activities, students might create a newscast, puppet show, historical role play, or debate an ethical, legal, social, or genetic issue. Individual activities for students might include making brochures or power point presentations to explain traveler health problems, diseases, development of new technology or health and fitness issues. Students are encouraged to take an interest in current local, state, national and international health issues and research to obtain creditable news sources.

Mental Health Issues in Health Care

Grades 10-12*1/2 credit*1st semester*

This course is designed for students interested in pursuing a medical career and learning about mental health. Issues covered within this class include assessment, diagnosis, and treatment of mental illness (in a long term and community based setting). Diagnoses covered include, but not limited to, depressive disorders, anxiety disorders, bipolar affective disorder (manic depressive), schizophrenia, chemical dependence, and eating disorders.

Legal and Ethical Issues in Health Care

Grades 10-12*1/2 credit*2nd semester

This course is designed for students interested in pursuing a medical career and will introduce them to legal, moral and ethical dilemmas health care professionals deal with on a daily basis. Students will research and debate malpractice cases, investigate cases of license revocation, criminal and civil law, right to die, privacy rights within health care, along with current controversial issues within health care. The legal and ethical implications of these issues will also be discussed in this course.

13. WELDING TECHNOLOGY-Articulated and dual credit is available for this program. Embedded credit is available in this program.

Introduction to Welding I/II

GRADES 9-10*1 credit*all year*Students must complete an application process and be approved for admission by the admission committee. Enrollment is limited to a space available basis.

This course is for students who have a strong desire to pursue a career in the welding or welding engineering field which will require post-secondary training. Basic welding information and techniques are introduced and students are given hands-on practice in the welding lab. By enrolling in this course students

will be able to advance to a higher level of skill and knowledge by the time they graduate from high school.

Welding I/II

GRADES 11-12*2-3 credits*all year*Recommendations-Good background in math and good hand-eye coordination.

The Welding Technology program teaches students the various metals that can be welded and how to weld in different positions. Students learn basic blue print reading, layout skills, weld symbols and basic mathematics used by most welders. Students are taught SMAW(stick), GMAW(mig), GTAW(tig), OFC/OFW(torch cutting and welding), brazing, plasma arc cutting, carbon arc cutting, the use of semi-automatic cutting and welding equipment and are encouraged to work at their own speed. Second year students will complete projects and have on-the-job training opportunities at some of the community businesses. Students also have the opportunity to become American Welding Society (AWS) certified (see below). This course is a two-year, half-day program open to juniors and seniors for 2-3 units of credit each year. To enroll in Welding II students must successfully complete Welding I.

www.moberly.k12.mo.us/matc.html

**** AMERICAN WELDING SOCIETY CERTIFICATION LEVELS I AND II**

MATC is approved by the American Welding Society (AWS) to train and certify entry-level welders. Students are pre-tested to determine how much training is needed in order to receive certification which requires passing a written exam and hands-on welding tests. The written exam consists of 225 questions covering the following topics: safety, electrical principles, math/measuring, SMAW (stick), GMAW (MIG), GTAW (TIG), FCAW (Flux Core MIG), PAC (Plasma Arc Cutting), CAC-A (Carbon Arc Cutting-Air) and OFC/W (Oxy-Fuel Cutting and Welding) principles, visual exams, welding terms and definitions. Students must also pass hands-on welding tests using the above welding processes. Records of successful applicants are maintained by AWS in a nationwide welding registry. This system allows employers to verify individual welding qualifications (easily and with confidence) without additional testing. Successful applicants are maintained on active status with the national registry for at least one year. 101309



14. EMBEDDED CREDIT

Embedded Career & Technical Mathematics

GRADES 11-12*1credit*two years

Career & Technical Mathematics offered at MATC is a resource established to help prepare students for meaningful employment with businesses/industries who offer competitive positions for future success. Students will master 25 out of 28 math concepts at an 80% or higher rate. Since this course is embedded within a technical class, students must be enrolled in a two- or three-hour block program at MATC over a two-year period, and must begin the math work the first year in their technical program to receive 1.0 math credit at the end of a two-year period. **Students must check with their home high schools to determine if credit will be counted as core or elective.**

Embedded Career & Technical Communication Arts

GRADES 11-12*0.25 credit per semester

Career & Technical Communication Arts credit may be awarded to those students who complete 4 specific Communication Arts objectives (assignments) per semester. Each objective must be mastered at a 70% or higher rate. Since this course is embedded within a technical program, students must be enrolled in a two- or three-hour block program at MATC. Students can earn a maximum of 1.0 credit over a two-year period (0.25 credit per semester). **Students must check with their home high schools to determine if credit will be counted as core or elective.**

Notes.....

Notes.....

Moberly High School Career Planning Guide - Student Five Year Plan

Students Name: _____ Date: _____

My Five Year Course sequence will lead me to the following Career Path (mark one):

- ARTS AND COMMUNICATIONS
- HUMAN SERVICES
- BUSINESS, MANAGEMENT, AND TECH.
- NATURAL RESOURCE/AGRICULTURE
- HEALTH SERVICES
- INDUSTRIAL AND ENGINEERING TECH.

My Career Cluster is: _____ My program/job area is: _____

I need to take courses to be eligible for:

- Baccalaureate Prep Certificate Level I: 1997 MU Entrance Standards
- Baccalaureate Prep Certificate Level II: Coordinating Board Standards
- College Preparatory Certificate
- NCAA Division I Athletic Eligibility
- High School Extracurricular Eligibility
- A+ Eligibility

During my 5th year following graduation, I plan to :

- Go to college for four years
- Go to college for two years
- Go to a technical training school
- Go to work
- Go to the military

Subject Areas	Required Credits	Freshman 20__	Sophomore 20__	Junior 20__	Senior 20__
Language Arts	4				
Social Studies	3				
Science	3				
Math	3				
Personal Finance	½				
Physical Education	1				
Fine Arts	1				
Practical Arts	1				
Health	½				
Electives	7				

Grade:	9	10	11	12
Total Credits:	_____	_____	_____	_____

To advance to next grade level must complete (6) (12) (17) (24)

Student Signature

Parent Signature