

# McGregor High School Student Program Guide 2009-2010



McGregor High School  
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Dear Parents and Students;

Welcome to McGregor High School where **Rigor, Relevance, and Relationships** are the **Bulldog Way**. It is a pleasure to present to you the McGregor High School Course Guide for the 2009-2010 school year.

Here at McGregor High School we are continually adapting our curriculum to better meet the needs of our students and help them navigate through a rewarding pathway to success. We offer a comprehensive curriculum to ensure that our students have the opportunity to be successful, not only at McGregor High School ,but also in their daily lives. The pathway the student chooses is designed to challenge students intellectually, to engage students in their own learning, and to provide students with the opportunity for concentrated study and personalized education.

The primary purpose of this booklet is to serve as a guide for students and parents as they select a pathway to success for our future leaders. Please examine and study the booklet. Careful preparation and thought are needed in this process. At McGregor High School, we believe planning and course selection should involve the student, the parents, and the staff.

### **How to Use the Program Guide**

The purpose of this Student Program Guide is to assist students and parents in planning a high school course of study tailored to individual student needs, interests, and aspirations. After an introductory section on graduation requirements, grades, academic placement, and student classification, the program of studies provides a brief description of the prerequisites and content of the high school courses offered by McGregor High School. These descriptions should be consulted in selecting courses for next year. Students and parents with questions regarding courses and the implications of selecting them are encouraged to consult with a member of the counseling staff, high school administration, or a faculty member at McGregor High School.

### **High School Administrators:**

Dr. Herb Cox	Principal
Robert White	Assistant Principal

### **High School Counseling Department**

Carol Sedberry  
Diana Virdell

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# Academic Information

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For more specific eligibility guidelines, please refer to the eligibility section in the student handbook.

## Semester Credit System

McGregor High School currently operates on a semester system with each school year being divided into two semesters. Unless otherwise stated, all one-credit courses meet every day all year long. One-half credit courses meet every day for one semester.

## Course Load

All students are expected to enroll in eight classes. With parental approval, fourth year senior students with 21 or more credits may have off campus privileges.

## Attendance

Students must be in attendance a minimum of 90 percent of the days during a semester to receive credit in a course. The State of Texas has provided means of appeal for extenuating circumstances should a student's absences exceed the maximum allowed each semester. See the principals and student handbook for more detailed information.

## Classification of Students

Students are classified on the basis of academic achievement. A student who has not earned a passing grade of at least 70 will not earn credit for the course. Students will be classified at the beginning of the school year. **Students will not be reclassified during the school year.** Junior students graduating early will not be reclassified in January for graduation purposes.

Grade 9:	0 to 4.0 core credits
Grade 10:	4.0 to 7.5 core credits
Grade 11:	7.5 to 19.5 core credits
Grade 12:	20.0 core credits and 4 <sup>th</sup> year in high school

## Drug Testing

According to McGregor ISD Drug Testing Policy, all extra-curricular participants in grades 7 - 12 (male & female) will be subject to random drug testing. The following activities are included in the drug testing policy.

Art	Softball
Band	Student Council
Baseball	Tennis
Basketball	Track
Cheerleading	UIL Academics
Class Officers	UIL Debate Team
Cross Country	UIL Journalism
FFA	UIL Theater/One Act Play
Football	Volleyball
Golf	Army Junior Corps of Cadets
National Honor Society	
PALS	
Power Lifting	

## Testing Required for Graduation

Students entering high school for the first time in the Fall of 2001 and thereafter will be required to pass the exit level of the Texas Assessment of Knowledge and Skills (TAKS). This assessment will cover language arts, mathematics, science, and social studies. Students will take this assessment in the 11<sup>th</sup> grade.

## Extracurricular Activity Participation

A student may participate in extracurricular activities at the beginning of the school year only if the student has earned the appropriate number of state credits.

<i>Number of years completed</i>	<i>Number of state credits in HS at beginning of school year</i>
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## Credits for Graduation

### • State credit courses

For those students who entered 9<sup>th</sup> grade prior to 2006-2007, the 24 credits on the Recommended Graduation Plan and the Distinguished Achievement Program must be state approved courses. For those who enter 9<sup>th</sup> grade after 2006-2007, the 26 credits on the Recommended Graduation Plan and the Distinguished Achievement Program must be state approved courses. For those students on the Minimum Graduation Plan, the 22 credits required must be state approved courses regardless of when students entered 9<sup>th</sup> grade.

### • Local credit courses

Additional units of credit on any of the Graduation Plans may be chosen from courses designated "local credit only". Examples of local credit are: Study Lab, Teacher Aide, TAKS and SAT prep, ESL Lab, and Physical Education/Athletics (3<sup>rd</sup> & 4<sup>th</sup> year).

### • Physical Education

Students in cheerleading (first semester only), drill team, marching band (first semester only), athletics, conditioning, Youth Marines, or equivalent credit toward the Physical Education requirement. Students who do not fulfill their PE requirements through one of these options must complete Physical Education as part of their 1½ credits of PE.

## Early Graduation

Students who would like to complete high school in three years are given the opportunity through early graduation. These three-year graduates will be classified as juniors during their third year of high school, unless they have earned enough credits to be classified as a senior at the beginning of their third year. Students who would like to finish high school one semester early through the credit recovery lab may be given the opportunity to graduate individually when all coursework is completed. Only one graduation ceremony is scheduled each year at the end of the regular school term.

To be considered a three-year graduate, the student must seek permission in writing from either the counselor or principal, no later than the first day of the student's third or fourth school year respectively. Early graduates may participate in the prom and graduation exercises. Three year graduates will not qualify for senior privileges such as early dismissal, late arrival, office aide, Homecoming, Prom King and Queen selection, Honor Graduate status, valedictorian and/or salutatorian.

## Special Education Graduation Requirements

A student in special education may graduate upon satisfactory completion of the minimum academic credit requirements for graduation applicable to students without disabilities. A student may graduate upon the determination of the ARD committee stating that the student has completed requirements specified in the IEP. The ARD committee will meet to determine needed educational services, if the student or parent requests services to resume, as long as the student meets the age eligibility. The student who has completed the IEP requirements and no longer meets the age eligibility requirements is a graduate and ends the student's eligibility for services.

## *Special Program Options*

### **Gifted and Talented Program**

Students identified as gifted and talented will be encouraged to take Pre-AP courses, Advanced Placement courses, or the DAP Advanced Studies and fulfill the requirements of the Distinguished Achievement Program.

### **Dual Credit Classes**

Dual credit classes allow juniors and seniors the opportunity to take courses that earn both college credit and high school credit. Students must pass the 10<sup>th</sup> or exit level TAKS test (respectively) and pass/be exempt from the THEA before they can enroll in any dual credit class. Students may take dual credit classes through McLennan Community College or Texas State Technical College. Students must pay tuition and purchase books for classes per semester. Students bear the sole responsibility of investigating courses to obtain dual credit and registering for appropriate courses. Students are required to meet with the counselor prior to enrollment in any college course for approval and advising.

### **Pre-AP and AP Classes**

Pre-Advanced Placement (Pre-AP) and Advanced Placement (AP) classes are available in certain subject areas. Students who demonstrate outstanding academic performance in any of those subject areas may apply. Students should be aware that these classes usually require additional outside reading and assignments. Students should be self-motivated and directed. Pre-AP classes help students build skills necessary to be successful in AP classes. The AP classes are taught at the college level. **All students will be required to complete a Pre-AP/AP Contract and maintain teacher recommendations before being allowed to enroll and continue in a Pre-AP/AP class. Students must maintain a passing score each six weeks, or will be removed out of the Pre-AP or AP class.** Most require summer assignments that must be completed prior to the first day of school. For the purposes of this catalog, Pre-AP and AP are used synonymously with Honors.

### **Correspondence Courses**

A student may complete high school course requirements by successfully completing correspondence courses through approved sources. Students may earn a maximum of two state-required credits through correspondence courses.

### **Credit by Examination for Credit Recovery**

To be eligible to earn credit by examination, a student shall have had prior instruction in the subject or course, as determined by the District on the basis of a review of the student's educational records. On approval of the attendance committee, a student who has excessive absences may be permitted to earn or regain course credit through credit by examination. Credit by examination shall not be used to gain eligibility for participation in extracurricular activities. To receive credit, students shall score a grade of 80 or above on the examination if the student has already taken the course. Students who wish to take credit by examination for recovery should see their counselor for approval.

### **Credit by Examination for Acceleration**

Students who have had no previous formal instruction in certain subjects may earn credit by taking an approved examination. Students who wish to take credit by examination for acceleration should see their counselor for approval. To receive credit, students must score a grade of 90 or above on the examination. For a list of testing dates, please contact your counselor.

### **English for Speaker of Other Languages**

Special courses are offered to aid students of limited English speaking ability.

### **Special Education**

The special education department offers identified students' opportunities to develop abilities in the least restrictive environment. The course sequence for special education students is determined by the ARD committee as graduation plans are developed for each student.

## *Testing Programs*

### **Texas Assessment of Knowledge and Skills (TAKS)**

Students must meet minimum expectations on language arts, mathematics, science, and social studies sections of the exit level TAKS test in order to meet graduation requirements. Those students who do not meet minimum expectations will be retested. Retests are administered in July, October, March and April of each year.

### **PLAN Test**

This is a three hour test which is a "practice" for the ACT and an interest inventory that provides students with career options. This test is available only to sophomores and is administered during the school day.

### **Preliminary Scholastic Achievement Test (PSAT)**

This is a three hour test which is a "practice" for the SAT. Sophomores and juniors are encouraged to take this test. However, only the score made as a junior will be used to qualify for the National Merit Scholarship Program. This test is administered in October during the school day. All Juniors are eligible to take this exam for free. Freshmen and Sophomores must sign up and pay in the counselor's office to register.

### **College Entrance Testing – ACT and SAT**

The ACT and SAT are college entrance exams. The ACT and SAT are administered at several locations in Waco during the school year. Students should check with their counselor for more specific information about the college entrance exams and dates. Student can also go to [www.collegeboard.com](http://www.collegeboard.com) or [www.actstudent.org](http://www.actstudent.org) for more information and to register. Financial assistance may be available for those who qualify for free or reduced lunches.

### **Advanced Placement Examinations for College Credit**

Students who have completed Advanced Placement (AP) courses are encouraged to take the College Board Advanced Placement Exams administered at MHS in May. The district will pay for the cost of the exam. The student must sign up in advance to take the tests. Most colleges and universities will accept grades of 3, 4 or 5 and allow a student to "place out of" equivalent freshman college courses. Students should check with specific universities to ascertain advanced placement policies.

### **Armed Services Vocational Aptitude Battery - ASVAB**

The ASVAB is a comprehensive career exploration and planning program that includes a multiple aptitude test battery, an interest inventory, and various career planning tools designed to help

students explore the world of work. This test is designed for juniors and seniors and will be administered in the fall at no cost.

### **Texas Success Initiative (TSI)**

All public two and four year colleges in Texas require that students through the Texas Success Initiative meet the THECB Standard for Higher Education Readiness in order to be eligible to enroll in classes. Students need to take either the THEA, Quick THEA, ACCUPLACER or ASSET test to meet this requirement. Some students are exempt based on scores obtained on the SAT, ACT or TAKS. Your counselor will be able to inform you if you are exempt. Registration bulletins for the THEA are available in the counseling office or you can register online at [www.thea.nesinc.com](http://www.thea.nesinc.com). Other tests that may also meet this requirement (Quick THEA, ACCUPLACER, ASSET) are

available directly through the college you plan to attend. McLennan Community College offers the ACCUPLACER weekly. Information is available at [www.mclennan.edu](http://www.mclennan.edu).

The following scores will exempt a student from a portion or all of the THEA:

- ACT - 23 composite, minimum of 19 on English and Math; scores good for 5 years.
- SAT - 1070, minimum of 500 on Verbal and Math; scores good for 5 years.
- TAKS - 2200 Verbal with a 3 or 4 on the writing portion and 2200 on the Math portion.

## *Calendar of Events*

**Listed below is the calendar listing of events pertaining to class scheduling, testing calendar and other events.**

### **August**

Freshman "Fish Camp" – August TBA, 10am - 3pm (must attend entire session)

Returning Senior Schedule Pickups and Changes - August TBA, 9 am-3 pm

Returning Junior Schedule Pickups and Changes - August TBA, 9 am- 3 pm

Returning Sophomore Schedule Pickups and Changes - August TBA, 9 am- 3 pm

Open House – August TBA, 7:00-8:30 pm

Begin School – August TBA

### **September**

Senior Conferences Begin

Freshman 4-year Plans Begin

### **October**

Continuation of Senior Conferences and Freshman 4-Year Plans

**Plan Testing (All Sophomores) – October TBA**

**PSAT testing (All Juniors, some Sophomores & Freshman) – October TBA**

TAKS Retesting – October TBA

### **November**

Preparation for TAKS Benchmark Testing

ASVAB Testing - TBA

### **December**

Sophomore and Junior Conferences Begin

### **January**

Continuation of Sophomore and Junior Conferences

TAKS Benchmark Testing - TBA

### **February**

Continuation of Sophomore and Junior Conferences

**Preparation of Class Registration for next year**

### **March**

ELA TAKS Testing – March TBA

TAKS Retesting – March TBA

Individual Student Class Registration

## April

Math, Science & Social Studies TAKS Testing Starts – April  
TBA  
TAKS Retesting – April TBA  
Individual Student Class Registration

## May

AP Testing – May TBA  
Awards Ceremony – TBA  
Scholarship Ceremony - TBA  
Schedule Changes for Next Year due – May TBA  
End of School – May TBA

## June

Final Transcripts Mailed – June 11th

Automotive Service Major

Natural & Environmental Science Pathway  
Floriculture/Greenhouse Major  
Production Agriculture Major  
Horticulture Landscape Major\*

Personal & Human Service Pathway  
Education/Teaching Major\*

\*Denotes sample 4-year plans available for those majors.  
See counselor for more information.

## *Pathways to Success*

Career Pathways are broad areas of study that help provide a focus and relevance to education. Each student will be placed with a major under a career pathway based on his/her specific career interest and aptitude. The student will then use this information in the development of a 4-year plan of course selections and/or a 6 to 8 year Tech Prep agreement.

### Pathways with Majors

Applied Math, Science, & Technology Pathway  
Computer Science major

Business Education Pathway  
Accounting/Finance Major\*  
Administrative Procedures Major  
Advertising Design Major  
General Studies Major  
Business Information Processing Major

Media Production and Communication Pathway  
Graphic Communication Technology Major\*  
Journalism Major  
Oral Communication Major  
Language Other Than English Major

Medical Science Pathway  
Veterinarian Technician Major\*  
Pre-Medical Major

Mechanical & Industrial Pathway  
Agriculture Mechanics Major  
Residential Construction Major\*  
Welding Technology Major

## *Graduation Requirements for Students Entering 9th Grade in 2004-2005 through 2006- 2007*

Subject Area	SBOE Recommended Program and Distinguished Achievement Program (DAP)*
English Language Arts	<b>4 credits</b> English I or English I for Speakers of Other Languages (ESL I) English II or English II for Speakers of Other Languages (ESL II) English III or AP English Language and Composition English IV or AP English Literature and Composition or concurrent enrollment in College English courses
Mathematics	<b>3 credits</b> Algebra I Geometry Algebra II
Science	<b>3 credits</b> No more than one credit may be chosen from each of the following areas: <ul style="list-style-type: none"> <li>Biology, Pre-AP Biology or AP Biology</li> <li>Integrated Physics and Chemistry (IPC)</li> <li>Chemistry, Pre-AP Chemistry or AP Chemistry</li> <li>Physics, Principles of Technology, Pre-AP Physics or AP Physics</li> </ul>

	(Note: Students are encouraged to take Biology, Chemistry and Physics)
<b>Social Studies and Economics</b>	<b>4 credits</b> World Geography (1 credit) World History (1 credit) US History (1 credit) US Government (0.5 credit) Economics (0.5 credit)
<b>Languages Other Than English</b>	<b>2 credits for SBOE / 3 credits for DAP</b> (must be any two or three levels in the same language) Spanish, French, or American Sign Language (Other languages are accepted if transferred in from another accredited district)
<b>Health</b>	<b>0.5 credit – 1.0 credit</b> Health Education (0.5 credit) or Health Science Technology (1.0 credit)
<b>Physical Education</b>	<b>1.5 credits</b> (Students may earn no more than 2.0 credits in Physical Education toward state graduation requirements.) Physical Education or approved substitute (Note: One physical education course must be Foundations of Personal Fitness if requirement completed with physical education courses.)
<b>Technology Applications</b>	<b>1 credit</b> From any of the following: Computer Science I or II (including AP), Computer Applications, BCIS, BIMM, Communication Graphics and Web Mastering
<b>Fine Arts</b>	<b>1 credit</b> From any state-approved fine arts course in art, dance, music or theatre arts
<b>Speech</b>	<b>0.5 credit</b> Communication Applications
<b>Electives</b>	<b>3.5 credits for SBOE/2.5 credits for DAP</b> Local credits are denoted in the course descriptions that follow.
<b>TOTAL</b>	<b>24 CREDITS</b>

\*In addition to the above credit requirements, students must achieve any combination of the following four advanced measures to graduate under the Distinguished Achievement Program:

- 1) A score of 3 or above on AP Exams. Can be used for all four measures.
- 2) A score on the PSAT that qualifies a student as a National Merit Scholar or Commended Scholar or as a part of the National Achievement Scholarship Program for Outstanding Negro Students. PSAT score may count as only one advanced measure.
- 3) A grade of 3.0 or higher on each semester course that counts for college credit, including tech prep courses. May be used for all four measures.
- 4) An independent research project (may be done twice and used for 2 measures).

*Graduation  
Requirements for  
Students Entering 9th  
Grade in the 2007-2008  
School Year and  
Thereafter*

Subject Area	SBOE Recommended Program and Distinguished Achievement Program (DAP)*
<b>English Language Arts</b>	<b>4 credits</b> English I or English I for Speakers of Other Languages (ESL I) English II or English II for Speakers of Other Languages (ESL II) English III or AP English Language and Composition English IV or AP English Literature and Composition or concurrent enrollment in College English courses
<b>Mathematics</b>	<b>4 credits</b> Algebra I, Geometry, and Algebra II are required The additional credit may be chosen from the following: Precalculus, College Algebra, AP Calculus, Math Models with Applications (if taken prior to Algebra II), and concurrent enrollment in college math courses.
<b>Science</b>	<b>4 credits</b> No more than one credit may be chosen from each of the following areas: <ul style="list-style-type: none"> <li>• Biology or Pre-AP Biology</li> <li>• Chemistry or Pre-AP Chemistry</li> <li>• Physics, Principles of Technology, or Pre-AP Physics</li> </ul> The additional credit may be chosen from the following: Integrated Physics and Chemistry (IPC) if taken prior to the senior year, Anatomy and Physiology, Geology-Meteorology-Oceanography, Astronomy, and Scientific Research and Design.
<b>Social Studies and Economics</b>	<b>4 credits</b> World Geography (1 credit) World History (1 credit) US History (1 credit) US Government (0.5 credit) Economics (0.5 credit)
<b>Languages Other Than English</b>	<b>2 credits for SBOE / 3 credits for DAP</b> (must be any two or three levels in the same language) Spanish, French, or American Sign Language (Other languages are accepted if transferred in from another accredited district)
<b>Health</b>	<b>0.5 credit – 1.0 credit</b> Health Education (0.5 credit) or Health Science Technology (1.0 credit)

<b>Physical Education</b>	<b>1.5 credits</b> (Students may earn no more than 2.0 credits in Physical Education toward state graduation requirements.) Physical Education or approved substitute (Note: One physical education course must be Foundations of Personal Fitness if requirement completed with physical education courses.)
<b>Technology Applications</b>	<b>1 credit</b> From any of the following: Computer Science I or II (including AP), Computer Applications, BCIS, Multimedia, Desktop Publishing, and Web Mastering
<b>Fine Arts</b>	<b>1 credit</b> From any state-approved fine arts course in art, dance, music, or theatre arts
<b>Speech</b>	<b>0.5 credit</b> Communication Applications
<b>Electives</b>	<b>3.5 credits for SBOE/2.5 credits for DAP</b> Local credits are denoted in the course descriptions that follow.
<b>TOTAL</b>	<b>26 CREDITS</b>

\*In addition to the above credit requirements, students must achieve any combination of the following four advanced measures to graduate under the Distinguished Achievement Program:

- 1) A score of 3 or above on AP Exams. Can be used for all four measures.
- 2) A score on the PSAT that qualifies a student as a National Merit Scholar or Commended Scholar or as a part of the National Achievement Scholarship Program for Outstanding Negro Students. PSAT score may count as only one advanced measure.
- 3) A grade of 3.0 or higher on each semester course that counts for college credit, including tech prep courses. May be used for all four measures.
- 4) An independent research project (may be done twice and used for 2 measures).

*Graduation Requirements  
for Students Entering 9th  
Grade in  
2004-2005 and Thereafter*

**Regular (Minimum) High School  
Graduation Program**

(By ARD or Principal Committee Approval)  
This graduation program is intended for those who have had ARD approval or Principal Committee approval. This program is not recommended for those who intend to enroll in a 4-year college upon graduation. Questions about this graduation plan should be addressed with your child's counselor.

Subject Area	Regular High School Graduation Program
<b>English Language Arts</b>	<b>4 credits</b> English I or English I for Speakers of Other Languages (ESL I) English II or English II for Speakers of Other Languages (ESL II) English III English IV or concurrent enrollment in College English courses (ENGL 1301+ ENGL 1302)
<b>Mathematics</b>	<b>3 credits</b> Algebra I Geometry Algebra II or Mathematical Models with Applications
<b>Science</b>	<b>2-3 credits</b> Biology and Integrated Physics and Chemistry or Biology, Chemistry and Physics (one counts as an elective)
<b>Social Studies and Economics</b>	<b>4 credits</b> World Geography (1 credit) World History (1 credit) US History (1 credit) US Government (0.5 credit) Economics (0.5 credit)
<b>Languages Other Than English</b>	<b>Not Required</b>
<b>Health</b>	<b>0.5 credit – 1.0 credit</b> Health Education (0.5 credit)
<b>Physical Education</b>	<b>1.5 credits</b> (Students may earn no more than 2.0 credits in Physical Education toward state graduation requirements.) Physical Education or approved substitute (Note: One physical education course must be Foundations of Personal Fitness if requirement completed with physical education courses.)
<b>Technology Applications</b>	<b>1 credit</b> From any of the following: Computer Science I or II, BCIS, Multimedia,

	Desktop Publishing, and Webmastering
<b>Fine Arts</b>	<b>Not Required</b>
<b>Speech</b>	<b>0.5 credit</b> Communication Applications
<b>Electives</b>	<b>5.5 credits</b> Local credits are denoted in the course descriptions that follow, and do count toward elective requirements.
<b>TOTAL</b>	<b>22 CREDITS</b>

# ENGLISH

## English I, II, III, IV

### **Prerequisites: None**

English I and II are the foundation courses of the high school curriculum. These courses focus on reading and writing skills needed for the mastery of standardized state tests as well as development of basic college preparatory skills (literary analysis, research, logical thinking, verbal and written communication). English III and IV continue with these basic communication skills and develop skill mastery as mandated by the state. Skills taught include the research process, literature appreciation, close reading skills, written and verbal communications, logical thinking, and visual communication or representation.

## Pre-AP (Honors) English I, II, III, and IV

### **Prerequisites: Teacher recommendation and acceptable grades in previous years' coursework**

Pre-AP (Honors) and AP courses are fast-paced courses for students with above average ability in language arts. Students will need to be more self-directed than teacher-directed and must show commitment to the courses through the completion of an entry contract and pre-entry reading/activities. In addition, these students should be able to manage their time and must be motivated to complete self-paced activities such as vocabulary study, close reading activities, literary analysis, and creative/research projects on their own time. AP courses are college courses taught in high school by high school teachers using college texts; Pre-AP (Honors) courses help students build skills necessary to be successful in AP studies. Testing will mimic the standardized national AP testing situation (timed essays and literary analysis).

Students may receive college credit for scores of '3' or above on AP tests. Check for specific colleges' and universities' credit policies in their catalogs or websites.

## Dual Credit English IV

### **Prerequisites: None**

Students must pass the Reading section of the ASSET exam or be exempt by TAKS, SAT or ACT scores (see Texas State Initiative in the Table of Contents). College-level English offered through MCC may substitute for English IV. Students must complete both ENGL 1301 (for 3 college hours) and ENGL 1302 (for 3 college hours) in order to receive English IV credit.

## DAP Independent Studies

### **Prerequisites: Prior experience in a Pre-AP (Honors)/AP course. Internet access and transportation are highly encouraged. Teacher approval required.**

DAP Independent Studies is designed for students who wish to fulfill the original research project component for the Distinguished Achievement Program. The course will include in-depth research and field work in an area of interest. Each student will incorporate his/her research and field work into a

final product which s/he will present at the end of the year to a panel of judges. Most of the work in this class is independently completed.

## English for Speakers of Other Languages I, II, III, and IV (ESL)

### **Prerequisites: Placement determined by LPAC and parent approval is required**

Those students who indicate they speak a language other than English on the home language survey will be given special tests to determine English proficiency. If they are found to be deficient in English language skills, they will be given the opportunity to take ESL. Recent immigrants can substitute ESL I & II for English I & II. Students must take an ESL class each year until such time as their English language skills are proficient.

## Applied English I, II, III, IV

### **Prerequisites: Enrollment by ARD only**

These courses have been combined to teach and reinforce the fundamental skills of the English language. **Applied English** is designed for the student who needs additional work in the foundations of Language Arts. The various levels cover communication skills with emphasis being placed on real life applications such as oral communication and following spoken and written directions. Applied English will fulfill credit requirements in English with approval of the ARD committee. This course is designed to assist students in developing reading abilities and mastering concepts in the core content areas.

## Life Skills English

### **Prerequisites: Enrollment by ARD only**

This course facilitates the individual student's progression into the acquisition of symbolic language, receptive communication skills, and expressive communication skills. This includes acquiring the ability to read, interpret, and write functional words, phrases, and symbols; to follow sequential instruction, and to participate routinely in the expected rituals of social dialogue, including current events.

## Life Skills Reading

### **Prerequisites: Enrollment by ARD only**

This course facilitates the individual student's progression into the acquisition of functional reading skills. This includes recognition of basic sight words, employment related words and abbreviations, safety words, and grocery words.

## Communication Applications

### **Prerequisites: None**

This course is required for graduation and develops the student's ability to focus on communication skills. The following areas of study are highlighted: vocal improvement, group interaction and problem solving, organization, listening skills, general speech delivery, oral interpretation, persuasive speaking, informative speaking, and impromptu speaking.

# MATH

## Algebra I

**Prerequisites: None**

This course is a foundation for higher-level mathematics courses. Integers and rational numbers, operations with polynomials, linear and quadratic equations and their graphs will be studied. Students will use graphing calculators to solve problems. Upon successful completion of Algebra I, students will be recommended to enroll in Geometry or Pre-AP (Honors) Geometry.

## Geometry

**Prerequisites: Algebra I**

Geometry is the second state required math course. Students will learn and use geometric concepts involving triangles, polygons, circles, lines, angles, area, volume, congruence, similarity and transformations, as well as geometric thinking and reasoning. Upon successful completion of Geometry, students will be recommended for Algebra II or Mathematical Models with Applications.

## Pre-AP (Honors) Geometry

**Prerequisites: 85 or above in Alg I**

Students will learn and use the geometric concepts, thinking and reasoning as in Geometry, plus be required to work in proofs, research of geometric concepts, discovery learning, mastery of technology-aided instruction, and complete three to six projects. Upon completion of Pre-AP (Honors) Geometry, students will be recommended to enroll in Algebra II or Pre-AP (Honors) Algebra II.

## Algebra II

**Prerequisites: Geometry**

Successful completion of Algebra II is necessary for both the Recommended and Distinguished high school graduation plan. It includes an expansion of the concepts learned in Algebra I and Geometry. Algebra II will also introduce new topics such as complex functions and trigonometry. Upon successful completion of Algebra II, students will be recommended to enroll in Precalculus, AP Statistics, or College Algebra Prep.

## Pre-AP (Honors) Algebra II

**Prerequisites: Pre-AP (Honors) Geometry (85 avg. or above) and summer assignment**

This course involves the basic understanding of algebraic thinking and symbolic reasoning, the relationship between algebra and geometry, the entire world of functions and how they relate to daily lives, a study of quadratic and square root functions, a study of rational functions which involves analysis/graphs, and exponential and logarithmic functions. The student becomes more adept at analysis, logic, and extensions of basic concepts, in-depth thinking, and reasoning. Upon successful completion of Pre-AP (Honors) Algebra II, students will be recommended to enroll in Precalculus, Pre-AP (Honors) Precalculus, or AP Statistics.

## Pre-calculus

**Prerequisites: Algebra II or Pre-AP (Honors) Algebra II**

The study of Precalculus is designed to prepare the student for modern courses in Calculus. Topics covered include functions and their graphs, with special emphasis on polynomial, rational, exponential, logarithmic, circular, and trigonometric functions, as well as applications of vector theory, complex numbers, sequences, series, and second degree relations. Upon completion of Precalculus, the student will be recommended to enroll in Calculus or AP Statistics.

## Pre-AP (Honors) Precalculus

**Prerequisites: Pre-AP (Honors) Algebra II (85 avg. or above)**

## **and summer assignment**

This course is fast-paced and comprehensive and is designed to prepare the student for college-level, AP Calculus. Topics covered include functions and their graphs, application of vector theory, sequences, series, trigonometry, polar coordinates, conics, limits, and an introduction to calculus with special emphasis on theoretical proofs and formula derivations.

## AP Calculus AB

**Prerequisites: Pre-AP (Honors) PreCal (85 or above avg.) and summer assignment**

Calculus is an advanced placement course taught on the college level that demands a strong Algebra and Precalculus (preferably Pre-AP (Honors) Precalculus) background. More out of class preparation time is required for this course. Students can obtain college credit through satisfactory completion of the advanced placement test with a score of 3 or better. Check for specific colleges' and universities' credit policies in their catalogs or websites.

## College Algebra Prep (Independent Studies in Mathematics)

**Prerequisites: Algebra II or Algebra II Pre-AP (Honors)**

This course is for juniors/seniors who have not taken or are not going to take Calculus. It is designed to prepare students to take college entry freshman mathematics and to pass the College Board Clep Test which will earn the student 3 hours of college credit. This course will primarily review and expand on algebra skills. *Students are encouraged to take the CLEP test at the college of their choosing at the completion of this course.*

## Mathematical Models with Applications

**Prerequisites: Geometry**

In this course students will use mathematical models to model and solve real-life applied problems involving money, data, chance, patterns, music, design, and science. Students must take Mathematical Models prior to taking Algebra II if they want Mathematical Models to count as a math credit as 4 years of math is required to graduate on the recommended plan.

## TAKS Math

**Prerequisites: None**

Sequential study of the TAKS objectives designed to assist students for success on the math portion of the TAKS test.

## Applied Math I, II, III

**Prerequisites: Enrollment by ARD only**

These courses are designed to improve the foundations of mathematics. The skills emphasized include real life mathematics. These courses will fulfill credit requirements in Math.

## Pre-Algebra

**Prerequisites: Enrollment by ARD only**

This course is designed to introduce the basic concepts of Algebra. Students will progress from basic math skills to integers and solving equations.

## Consumer Math

**Prerequisites: Enrollment by ARD only**

Consumer math is an upper level course paired with Consumer Reading. These courses address real life situations involving credit card applications, filling out job/apartment applications, opening and maintaining a bank account, budgeting, insurance, mail solicitations and other real world applications.

## Life Functional Math

**Prerequisites: Enrollment by ARD only**

This course develops the individual student's progression into number concepts, money management skills, and measurement and time skills. This includes acquiring the ability to read and interpret functional measures for cooking, clothing, and health, to learn the value of assorted coins and bills and to make change, and to perform all basic math operations on the calculator.

# SCIENCE

## **Integrated Physics and Chemistry**

### **Prerequisites: None**

This course is a laboratory oriented course that includes the study of matter, motion and energy. This course does not count as a science for those students who are on the Distinguished Achievement Program and are required to have 4 credits of science.

## **Biology**

### **Prerequisites: None**

This is a laboratory-oriented survey course that covers the following areas: the chemistry of organisms, cell structure, and function, genetics, characteristics of organisms, and ecology and conservation.

## **Pre-AP (Honors) Biology**

### **Prerequisites: 85+ in 8<sup>th</sup> grade science + teacher recommendation**

This course includes the same material as Biology, but the curriculum is differentiated to include independent study projects and advanced materials and laboratory experiences. This biology course is designed to be equivalent to introductory college biology and is a survey of contemporary biology that covers a variety of biology topics.

## **Chemistry**

### **Prerequisites: Biology**

The chemical and physical properties and changes are studied in this lab-oriented course.

## **Pre-AP (Honors) Chemistry**

### **Prerequisites: Pre-AP (Honors) Biology, completion of or concurrent enrollment in Algebra II**

Pre-AP (Honors) Chemistry includes the same material as Chemistry, but the curriculum is differentiated to include additional study projects and advanced laboratory experience and skills. This chemistry course is designed to be equivalent to introductory college chemistry and is a survey of contemporary chemistry that covers a variety of chemistry topics.

## **TAKS Science**

### **Prerequisites: Teacher or counselor recommendation**

Fundamental aspects of science explained and broken down to aid the student in receiving a passing grade on the correlative section of the TAKS test.

## **Pre-AP (Honors) Physics**

### **Prerequisites: Pre-AP (Honors) Bio, Pre-AP (Honors) Chem, completion of or concurrent enrollment in PreCal**

Pre-AP (Honors) Physics is a first year Precalculus based introductory physics course also dealing with a broad range of topics such as the study of motion and energy in the first semester to waves, electromagnetism, and atomic and modern physics in the second semester.

## **Anatomy and Physiology**

### **Prerequisites: 3 years of science, including Biology and Chemistry**

This is a laboratory/lecture course that covers structure and function of the human body, from the molecular level through organ systems. Laboratories will include work with microscopes, dissections, and physiology exercises. This course is designed for students who: 1) are seeking additional experience in biology, specifically in regards to the human body; 2) are planning a career in the medical or allied health fields; 3) are planning to major in biology in college.

## **Life Functional Science**

### **Prerequisites: Enrollment by ARD only**

This course explores the world of matter with practical experiments that illustrate main scientific principles of energy,

force, and motion. Earth science topics will include elements of geology (Why earthquakes and volcanoes?) meteorology (What makes weather?) and astronomy (Solar System and star clusters). In addition, students will explore the field of horticulture with emphasis on growing and caring for plants. This course may be retaken for additional credit.

## **Scientific Research & Design (IGNITE)**

### **Prerequisites: Must be in grades 11 or 12.**

This is an applied physics course designed to provide a study in force, work, rate, resistance, energy, power and force transformers as applied to mechanical, fluid, thermal, and electrical energy. Students learn to apply principle theories to the design and development process through project-based lessons. *This course fulfills the fourth science requirement.*

# SOCIAL STUDIES

## World Geography

### **Prerequisites: None**

This course provides students the opportunity to study the interaction of people and their physical environments in the major areas of the world. Content introduces the student to the world of geographers, their unique vocabulary, tools and methodologies. Students acquire an understanding of the physical setting of the earth, locate and study different land forms and regions of the world, and learn how people and geography impact each other.

## Pre-AP (Honors) World Geography

### **Prerequisites: 85 in 8<sup>th</sup> grade history + teacher recommendation**

Pre-AP (Honors) World Geography follows the same calendar and curriculum as regular World Geography, but students taking this course will regularly engage in active, high-level learning to develop the skills, habits of mind, and concepts needed to succeed in college. An emphasis will also be placed upon reading and writing strategies in preparation for college-level Advanced Placement courses.

## World History

### **Prerequisites: None**

This course covers the study of history world wide from the beginning of recorded time to our modern world. Major global conflicts are emphasized and explained through higher level discussion and debate.

## Pre-AP (Honors) World History

### **Prerequisites: Teacher Recommendation**

This class is designed to provide students the analytic skills and factual knowledge necessary to deal critically with the problems and materials in World History. Students will learn to interpret primary source documents, to become efficient historical essay writers, and to analyze and draw conclusions about recurring themes in World History. They will learn to apply the lessons of history to events occurring in today's world.

## U.S. History

### **Prerequisites: None**

This course includes a brief study of the early years of the United States and a detailed study of the years from the American Civil War to the present. The teacher relates today's problems with what has happened in the past.

## AP U.S. History

### **Prerequisites: 85 or above in Pre-AP (Honors) W History**

AP US History is an introduction to United States history from colonial times to present. Advanced Placement courses are

taught at the college level and require outside reading and essay writing. Students can obtain college credit through satisfactory completion of the advanced placement test. Completion of a summer assignment will be required.

## U.S. Government

### **Prerequisites: None**

This course will place emphasis upon the study of the national, state, and local governmental structure and operation. Current governmental developments are stressed.

## Dual Credit Government

### **Prerequisites: See Description Below**

Students must pass the Reading section of the ASSET exam or be exempt by TAKS, SAT or ACT scores (see Texas State Initiative in the Table of Contents). This is a college level course where students will receive high school credit for Government and 3 hours of college credit for GOVT 2301 National Government.

## Economics

### **Prerequisites: None**

This course teaches the basic economic concepts with emphasis on supply/demand, personal budgets and credit, and marketing through the U.S. Free Market system. Students will engage in numerous hands-on activities to master concepts.

## Dual Credit Economics

### **Prerequisites: See Description Below**

Students must pass the Reading section of the ASSET exam or be exempt by TAKS, SAT or ACT scores (see Texas State Initiative in the Table of Contents). This is a college level course where students will receive high school credit for Economics and 3 hours of college credit for ECON 2301 Macroeconomics.

## Life Social Studies

### **Prerequisites: Enrollment by ARD only**

This course provides instruction in community access, mobility training, meeting strangers, asking for assistance, and applying for benefits. This course may be retaken for additional credit.

## Special Topics in Social Studies (Foundations of Personal Finance)

**One semester (Fall) only.** This course provides instruction in learning how to manage money as students prepare to enter into adulthood. Lessons will focus on saving, investing, understanding credit and debt, financial responsibility, money management, insurance/risk management, and careers.

# *PHYSICAL EDUCATION/HEALTH*

## **Health Education**

### **Prerequisites: None**

Students will study the benefits of a sound body and mind. The course includes the following subject areas: human systems, skeleton, circulatory, respiratory, reproductive, digestive, muscle, nervous, eye and ear; self-concept; decision-making skills; nutrition and physical fitness and first aid.

## **Physical Education 1A: Foundations of Personal Fitness**

### **Prerequisites: None**

This class is required for all students if the PE requirement is met through taking physical education classes. The purpose of this course will be to provide students with the opportunity to develop and maintain an individual acceptable level of physical fitness. This class will be taught through classroom work, and fitness activities (textbook required). Uniforms are required for class.

## **Physical Education 1B: Individual Sports**

### **Prerequisites: PE 1A**

The students will exhibit a physically active lifestyle and comprehend the relationship between daily physical activity and health. Individual sports skills will be introduced such as: bowling, frisbee, and golf. A uniform is required for class.

## **Physical Education IIA, IIB: Team Sports**

### **Prerequisites: PE 1A & PE 1B**

The class will educate students in lifetime sports and recreational games such as: volleyball, football, cross country, track, and basketball. They will learn fundamentals, written rules, good sportsmanship, and refereeing skills that will benefit them throughout their adult life. A uniform is required for class.

# *BOYS ATHLETICS*

## **Boys Athletics I, II, III, IV**

### **Prerequisites: Coaches' approval**

Participation in two or more of the following sports: football, basketball, baseball, track, powerlifting; outside of school practice is required.

## **Conditioning I, II, III, IV**

### **Prerequisites: Coaches' approval**

Participation in one of more of the following sports: cross country, basketball, baseball, track, golf, powerlifting, tennis. Outside of school practice is required.

# *GIRLS ATHLETICS*

## **Girls Athletics I, II, III, IV**

### **Prerequisites: Coaches' approval**

Participation in two or more of the following sports: volleyball, basketball, and track; outside of school practice is required.

## **Conditioning I, II, III, IV**

### **Prerequisites: Coaches' approval**

Participation in one of more of the following sports: cross country, basketball, softball, track, golf, powerlifting, tennis. Outside of school practice is required.

# *CHEERLEADING/DRILL TEAM*

## **Cheerleading I, II, III, IV**

### **Prerequisites: By try out only**

All cheerleaders are required to be enrolled in the fall semester cheerleading class. Students wanting to cheer may participate in the following activities: basketball, tennis, golf, cross-country, track, softball, and band. Students will receive 0.5 local credits in the fall for this course.

# LANGUAGES OTHER THAN ENGLISH

## Spanish I

### **Prerequisites: None**

This course is a basic introduction to language and culture. Students will learn to speak and understand basic phrases and read and write simple sentences. Basic grammar is studied.

## Spanish II

### **Prerequisites: Spanish I**

This course is a continuation of the level I course as students broaden their ability to read, write, listen, and speak in the language. Oral skills are stressed with emphasis given to more advanced reading and writing exercises and to the study of culture.

## Spanish for Native Speakers I

### **Prerequisites: Counselor recommendation or placement exam**

This course, conducted entirely in Spanish, is for students of varying levels of ability as native speakers and is designed to improve their listening, speaking, reading, and writing skills. It covers the same essential knowledge and skills as the Spanish courses for English speakers, but also includes additional linguistic

and cultural elements, as well as teaching methods more appropriate for native speakers of the language.

## Spanish for Native Speakers II

### **Prerequisites: Counselor recommendation or placement exam**

This course, conducted entirely in Spanish, is for students of varying levels of ability as native speakers and is designed to improve their listening, speaking, reading, and writing skills. It covers the same essential knowledge and skills as the Spanish courses for English speakers, but also includes additional linguistic and cultural elements, as well as teaching methods more appropriate for native speakers of the language.

## Spanish III

### **Prerequisites: Spanish II**

This course is for students who excelled in Spanish II. The content is a continuation of the level 2 course with extensive writing, grammar and culture studies. This course will focus on proficiency in conversational Spanish and is conducted primarily in Spanish.

# FINE ARTS

## Art I

### **Prerequisites: None**

This course is primarily devoted to the conscious and systematic presentations of various art processes, procedures, theories, and historical development. Art I is experiential in terms of material, but structured in terms of providing a strong foundation in drawing, design, and vocabulary. Supplies will need to be purchased.

## Art II

### **Prerequisites: Art I and teacher approval**

This course is a building upon of general knowledge of art. The student studies in-depth different media and techniques. Both abstract and realistic artwork will occur at this level. Supplies will need to be purchased.

## Art II Pre-AP (Honors)

### **Prerequisites: Art I and teacher approval**

This course is a building upon of general knowledge of art. The student studies in-depth different media and techniques. Both abstract and realistic artwork will occur at this level. Students will prepare and enter multiple projects in the various art

competitions throughout the year. Supplies will need to be purchased.

## Art III Pre-AP (Honors)

### **Prerequisites: Art I, Art II Pre-AP (Honors), and teacher approval**

This course contains a depth of art experiences. The program is flexible in scope because of the great divergences of student interest. Art III Pre-AP (Honors) provides the opportunity for the student to have concentrated experiences in areas of special interest and design as well as vocabulary. Students will begin (or continue) a preparation of a portfolio. Supplies will need to be purchased.

## Art IV Pre-AP (Honors)/AP

### **Prerequisites: Art III Pre-AP (Honors) and teacher approval**

This course provides the opportunity for the student to do advanced independent work. Students learn to make decisions, follow through with those decisions, make commitments, and to follow through with those commitments. Students will work primarily on AP Art Portfolios.

# *BAND*

## **Band**

**Prerequisites: Band Director approval and a member of the MFHS marching and concert bands**

Band is an organization designed to teach teamwork, self-discipline, and develop higher level thinking skills necessary to express oneself through music. This course will meet every day for the entire school year. In the fall, the organization will perform as the Marching Band and will perform at all varsity football games as well as various marching competitions. Students receive ½ PE credit for the 1st semester of Band and ½ Fine Art credit for the 2nd semester of Band. After marching season is over, emphasis will switch to skills that are particular to concert performance, as well as attention to soloist development through All-Region auditions and solo and small ensemble opportunities. Band members will participate in clinics and contests adjudicated by the best music educators in the country. Opportunities for solo

performance will be available through Region Band tryouts and solo competition. The Concert Band will perform at least 2 concerts during the year, as well as participate in clinics and contests.

## **Applied Music**

**Prerequisites: Band Director approval and must be enrolled in both Band and Applied Music**

Students will be given opportunities to work independently with music staff to enhance personal skills, participate in solo and ensemble competition, and develop leadership abilities. Emphasis will be on personal improvement in musical skill and performance. This course will be taught every day for the whole year. Performances, including contest participation, will take place during and outside the school day.

# *DANCE*

## **Dance I/Dance Team**

**Prerequisites: By tryout only**

This course provides students with the vocabulary of dance movement and knowledge of factors that influence movement. Students will acquire the fundamental skills in any or all of the following dance techniques: pre-drill, ballet, jazz, tap, aerobic, modern, social dance, and choreography. Students will learn dance techniques, and rehearse Dance Team routines. Students enrolled in Dance Team will receive 1.0 PE credit or 1.0 Fine Arts credit. After-school practices and performances are mandatory, and may include activities such as pep rallies, halftime performances, competition and spring show. This course will be taught every day all year long. Uniform will be required, and supplies may be required.

## **Dance III/Dance Team**

**Prerequisites: Dance II + tryout only**

This course provides students with the vocabulary of dance movement and knowledge of factors that influence movement. Students will acquire the fundamental skills in any or all of the following dance techniques: pre-drill, ballet, jazz, tap, aerobic, modern, social dance, and choreography. Students will learn dance techniques, and rehearse Dance Team routines. Students enrolled in Dance Team will receive 1.0 PE credit or 1.0 Fine Arts credit. After school practices and performances are mandatory, and may include activities such as pep rallies, halftime performances, competition and spring show. This course will be taught every day all year long. Uniform will be required, and supplies may be required.

## **Dance II/Dance Team**

**Prerequisites: Dance I + tryout only**

This course provides students with the vocabulary of dance movement and knowledge of factors that influence movement. Students will acquire the fundamental skills in any or all of the following dance techniques: pre-drill, ballet, jazz, tap, aerobic, modern, social dance, and choreography. Students learn dance techniques, and rehearse Dance Team routines. Students enrolled in Dance Team will receive 1.0 PE credit or 1.0 Fine Arts credit. After school practices and performances are mandatory, and may include activities such as pep rallies, halftime performances, competition and spring show. This course will be taught every day all year long. Uniform will be required, and supplies may be required.

## **Dance IV/Dance Team**

**Prerequisites: Dance III+ tryout only**

This course provides students with the vocabulary of dance movement and knowledge of factors that influence movement. Students will acquire the fundamental skills in any or all of the following dance techniques: pre-drill, ballet, jazz, tap, aerobic, modern, social dance, and choreography. Students will learn dance techniques, and rehearse Dance Team routines. Students enrolled in Dance Team will receive 1.0 PE credit or 1.0 Fine Arts credit. After school practices and performances are mandatory, and may include activities such as pep rallies, halftime performances, competition and spring show. This course will be taught every day all year long. Uniform will be required, and supplies may be required.

# *THEATRE ARTS*

## **Theatre Arts I**

**Prerequisites: None**

Students participate in various group activities, learn theatre safety, improvisation, theatre terminology, and basic acting skills/techniques as well as improve their communication and memorization skills. Students enrolled will participate in some capacity in a production. Attendance at performances is required.

## **Theatre Arts II**

**Prerequisite: Theatre Arts I and director approval**

This course combines the theory and exercises in body control, voice, interpretation, characterization, stage action, and analysis and study of auditioning, scripts, playwriting, film production, Shakespeare and choreography. Attendance is required at productions. The course also provides opportunities to develop knowledge of basic stagecraft.

# TECHNOLOGY APPLICATIONS

## Computer Science I

**Prerequisites:** Completion of or concurrent enrollment in Algebra I

This course is for everyone who wants to be a better problem-solver and computer user, even if not considering a career in Computer Science. This is primarily a hands-on programming course. Students are strongly encouraged to take this at the same time as Algebra I, because many of the skills will overlap. The programming languages used will include JAVA and C++, professional programming tools. Students will plan and write computer programs using various software tools. **Course counts for one credit of Technology Applications on all graduation programs.**

## Computer Science II

**Prerequisites:** Computer Science I and teacher approval

Students will prepare for Computer Science competition and programming. This is much the same material as in the latter part of a first year university Computer Science course. The basic topic is advanced Data Structures. This is a wonderful course for students who are interested in pursuing a career in Computer Science, Engineering or Business Information Systems. There is a considerable amount of material, and excellent note-taking and independent study skills will be assumed. This course is eligible to earn articulated college credit at McLennan Community College.

## Computer Science III: Technology App. Independent Study

**Prerequisites:** Computer Science II

The course will follow TEA guidelines for Independent Study in Technology Applications. The student will do and document an original piece of research, 5 progress papers, a substantial software development project, and a simple web site describing the project.

## Web Mastering

**Prerequisites:** BCIS 1 or Computer Science I; **Keyboarding strongly recommended**

This course will have both elements of web design and a substantial component of coding. A prior course in programming is helpful but not absolutely required. Students will code web sites, and learn how to design, implement, and maintain effective and interesting web sites. Topics will include the internet, browser software, HTML coding, tools for text and graphics and setting up a web server. Other topics will include web interface design issues, and client-side programming with a scripting language such as JavaScript. **Course counts for one credit of Technology Applications on all graduation programs.**

## Multimedia

**Prerequisites:** BCIS 1 or Computer Science I; **Keyboarding strongly recommended**

This course presents experiential opportunities in digital media, photo and movie production, and desktop publishing. Students will gain experience in various software packages, including Adobe Photoshop. **Course counts for one credit of Technology Applications on all graduation programs.** This course is eligible to earn articulated college credit at McLennan Community College.

## Desktop Publishing/Yearbook I, II, III

**Prerequisites:** Signed letter of acceptance from Journalism teacher

Students interested will first have to turn in a letter of purpose stating why they wish to be in the class along with two letters of recommendation from other teachers. Students should have had or be currently taking a computer class. Students who are familiar with digital photography and photo manipulation techniques are needed. Students must be able to devote time after school and on some weekends to working on the yearbook. Must display dedication and ability in imaginative designing and creative writing. Experience with Adobe Photoshop, In Design and Illustrator is a plus.

## OTHER ELECTIVES

### Peer Assistance and Leadership I and II

**Prerequisites for PALS I: Completed application, acceptable interview and teacher evaluations**

**Prerequisites for PALS II: Acceptable performance in PALS I and teacher approval**

The PALS course is a peer helping program in which selected high school students will be trained to work as peer facilitators with other students on their own campuses, and/or elementary, primary schools. This course is intended to provide a field experience for young people who are potentially interested in careers in education, child psychology or related helping professions. Students must be classified as a senior to participate in this program.

### Vocational Adjustment Class (VAC)

**Prerequisites: Enrollment by ARD only**

The VAC is an instructional arrangement designed to teach general vocational skills to students with disabilities through

special education instruction and work experiences at job sites. A VAC teacher monitors it. The goal is to prepare students with disabilities to enter the world of work. The program's philosophy is to build successful work experiences while enrolled in high school.

### SAT/ACT Preparation

**One semester (Spring) only. This course is for local credit only, and will not count toward credit toward required electives.**

Students will work toward improving skills in mastery of concepts tested on college entrance exams. Vocabulary, mathematics, and writing concepts will be emphasized, taught, and practiced to improve scores on the SAT and/or ACT.

## CAREER & TECHNOLOGY EDUCATION

### AGRICULTURAL SCIENCE

#### Intro to World Agricultural Science and Technology (#101)

**Prerequisites: None**

A basic course designed to provide an introduction to global agriculture. The course includes instructional units in agricultural career development, leadership, communications, personal finance, and mechanized agriculture. Students will also receive hands on training to operate shop equipment and be introduced to welding. Local articulated credit with TSTC may be earned.

#### Applied Agricultural Science and Technology (#102)

**Prerequisites: #101**

A basic course designed to enhance the agricultural comprehension in agriculture science. The course includes soils, plants, animals, agricultural construction, food science, supervised agricultural experience programs, and leadership. Local articulated credit with TSTC may be earned.

#### Introduction to Agricultural Mechanics

**Prerequisites: #101, #102**

A course designed to introduce basic theory and specialized skills in agricultural mechanics. Skills to be developed include tool identification and safe use, carpentry, electricity, plumbing, masonry, fencing, painting, metal working, and welding processes. Local articulated credit with TSTC may be earned.

#### Agricultural Metal Fabrication Technology

**Prerequisites: #101, #102**

A course designed to develop skills in metal equipment assembly and joining processes. Local articulated credit with TSTC may be earned.

#### Wildlife and Recreation Management

**Prerequisites: #101, #102**

A course designed to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources. Students will be able to receive their hunter education certificate. Local articulated credit with TSTC may be earned.

#### Animal Science

**Prerequisites: #101, #102**

A course designed to develop knowledge and skills pertaining to the care, nutrition, reproduction, health, and management of domestic animals.

#### Equine Science

**Prerequisites: #101, #102**

A course designed to develop knowledge and skills pertaining to the care, nutrition, reproduction, health, and management of horses.

## BUSINESS EDUCATION

### BCIS I ~ Business Computer Information Systems I

**Prerequisites: Keyboarding strongly recommended**

Students in BCIS I develop a mastery of keyboarding, formatting and processing. Students develop technology skills with applications to personal or business situations focusing on word processing, spreadsheets, databases, presentation management, telecommunications, desktop publishing, networking, operating systems and emerging technologies. Students learn Microsoft Office Suite including MS Word, MS Excel, MS PowerPoint, and MS Access. *This course can count*

*for state articulated credit according to the state articulated course guidelines. Course counts for one credit of Technology Applications on all graduation programs.*

### BCIS II ~ Business Computer Information Systems II

**Prerequisites: Keyboarding and BCIS I**

This course allows students to do real-world activities in which they apply previously learned computer skills developed in BCIS I. Students learn advanced features of Microsoft software to produce various business documents with word processing

(WORD), spreadsheet (EXCEL), database (ACCESS) and presentation (POWERPOINT) software. Integration of software applications is developed. Students focus on decision-making skills, time-management skills, business communication skills

and positive work attitudes.

## *TRADE & INDUSTRIAL EDUCATION*

### **Building Trades I**

**Prerequisite:** Intro to World Ag/Applied Ag Science (#101, 102)

This course is a junior-level course in the Residential Construction Major and is designed for students interested in the specific skills related to the construction processes of building a home. Students in this course can expect a rigorous assignment schedule and curriculum content material. The structure of the course is based on a 60% hands-on, 40% technical instruction formula. Course requires two consecutive class times to earn 2.0 credits for one year of participation. Local articulated credit may be available at TSTC.

### **Introduction to Precision Sheet**

#### **Metal Fabrication (Welding)**

**Prerequisite:** Introduction to Ag Mechanics, Ag Manufacturing Technology, Grade levels 11-12 only.

This course is an advanced study in Shielded Metal and Tungsten Arc Welding, Oxy-fuel and Plasma Arc Cutting and Welding print drawing and reading. Students can expect a rigorous assignment schedule, curriculum content and a focus on relevant job skills. Students are expected to demonstrate mastery of the course by obtaining appropriate industry certifications and completing advanced technical projects. Local or state articulated credit for this course may be available.

# *STUDENT WORKSHEETS*



## MCGREGOR HIGH SCHOOL COURSE SELECTIONS

CURRENT GRADE LEVEL \_\_\_\_\_

LEGAL NAME \_\_\_\_\_

PROGRAM TYPE:  
REG. HIGH SCHOOL \_\_\_\_\_

STUDENT ID # \_\_\_\_\_

RECOMMENDED \_\_\_\_\_

NAME OF PARENT OR GUARDIAN \_\_\_\_\_

DIST. ACH. PROG. \_\_\_\_\_

HOME PHONE # \_\_\_\_\_ PARENT WORK # \_\_\_\_\_ STUDENT CELL # \_\_\_\_\_

ADDRESS \_\_\_\_\_  
STREET APT # CITY ZIP

FALL	SPRING
ENGLISH:	ENGLISH:
MATH:	MATH:
SCIENCE:	SCIENCE:
SOCIAL STUDIES:	SOCIAL STUDIES:
ALTERNATES	ALTERNATES
ALTERNATES	ALTERNATES

**If alternates are not selected, they will be chosen for you. You will not be allowed to change after the schedule change deadline just because they were chosen for you.**

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Parent Signature

Any changes that need to be made must be submitted in writing by the last day of the school year. After May 30<sup>th</sup>, course selections cannot be changed unless the student has attended summer school and has earned credit in a scheduled course.

**Students must complete and return this form by:** \_\_\_\_\_

\_\_\_\_\_  
Printed Student Name

\_\_\_\_\_  
Student ID#

**MCGREGOR HIGH SCHOOL  
REQUIREMENTS FOR PRE-AP (HONORS)/AP COURSES**

While the benefits of Pre-AP (Honors) and AP courses are numerous, students and parents should expect courses to be more challenging, to take more time, and to require a different type of work than in regular courses. Students of these courses should expect teachers to require an increased reading load, sophisticated writing assignments and projects, and complex problem solving. Students involved in extra-curricular activities should especially keep this in mind when designing their schedule. Pre-AP (Honors) and AP courses require energetic, involved, and motivated students.

Please read the following requirements. Your signatures at the bottom indicate that you understand and agree.

- Once registered, the student will have until May 30<sup>th</sup> to change his/her mind. The request can be made in person or by contacting the counseling office at (254) 840-2853 by May 30<sup>th</sup>.
- Once that deadline has passed, students will be required to stay in the course.
- In the event your student would like to make a change to an on-level course prior to May 30<sup>th</sup>, a written request signed by the parent is required.
- Students must understand that tutorials may be required in order to be successful in the course.
- Students should generally expect homework in each course every day. Up to ½-1 hour per course per day may be required.
- There are summer reading and/or assignments for all Pre-AP (Honors)/AP courses.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Parent Signature

\_\_\_\_\_  
Date

Application For Early Graduation

Name: \_\_\_\_\_ Date: \_\_\_\_\_

I declare my intent to graduate high school under the early graduation program. I will be graduating on the Recommended/Distinguished (circle) Graduation Plan. I have completed the following credits (check):

English 1 \_\_\_\_\_  
English 2 \_\_\_\_\_  
English 3 \_\_\_\_\_  
English 4 \_\_\_\_\_

World Geography \_\_\_\_\_  
World History \_\_\_\_\_  
US History \_\_\_\_\_  
Government \_\_\_\_\_  
Economics \_\_\_\_\_

Algebra I \_\_\_\_\_  
Geometry \_\_\_\_\_  
Algebra \_\_\_\_\_  
4<sup>th</sup> Math \_\_\_\_\_

Health \_\_\_\_\_  
Communication Applications \_\_\_\_\_  
Fine Art \_\_\_\_\_  
(Theatre, Dance, Art, Band, Choir)

Biology \_\_\_\_\_  
IPC \_\_\_\_\_  
Chemistry \_\_\_\_\_  
4<sup>th</sup> Science \_\_\_\_\_

PE \_\_\_\_\_  
Technology Applications (BCIS, Computer  
Science 1, Multimedia, Webmastering,  
Yearbook) \_\_\_\_\_

Spanish I \_\_\_\_\_  
Spanish II \_\_\_\_\_  
Spanish III\* \_\_\_\_\_ DAP only

Elective (by semester) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

List your schedule for your third year of high school and method of credit accrual:

\_\_\_\_\_  
\_\_\_\_\_

I plan on taking \_\_\_\_\_ (courses) in Nova Net \_\_\_\_\_ (when).

I plan on taking \_\_\_\_\_ (courses) at MCC \_\_\_\_\_ (when).

My TAKS scores from grade 10 are \_\_\_\_\_ ELA \_\_\_\_\_ Math \_\_\_\_\_ Science \_\_\_\_\_ SS.

Sincerely,

\_\_\_\_\_  
Student

\_\_\_\_\_  
Parent

\_\_\_\_\_  
Date

Approved:

\_\_\_\_\_  
Counselor

\_\_\_\_\_  
Vice Principal

\_\_\_\_\_  
Principal