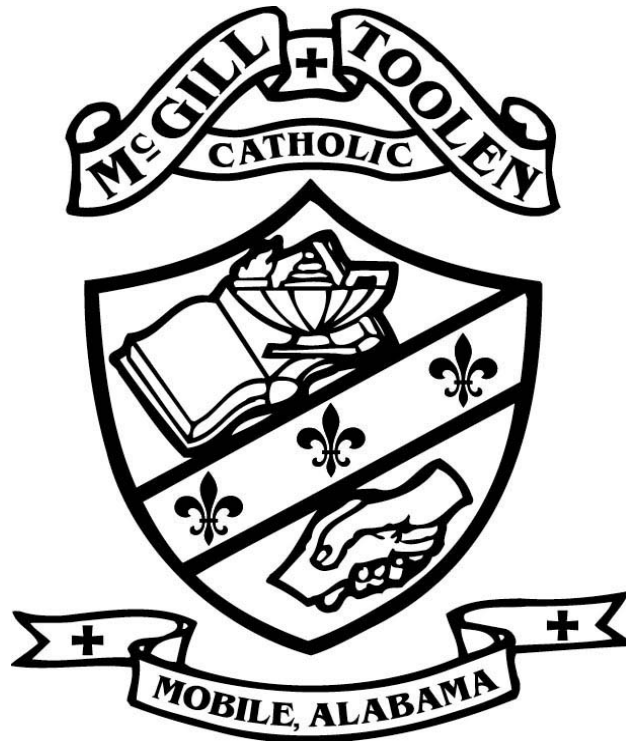


COURSE DESCRIPTIONS

2019-20



McGill-Toolen Catholic High School
1501 Old Shell Road
Mobile, Alabama

McGill-Toolen Catholic High School
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Director of Admissions

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MISSION STATEMENT

**MCGILL-TOOLEN CATHOLIC HIGH SCHOOL PROVIDES
A QUALITY SECONDARY EDUCATION THAT ENABLES
INDIVIDUALS TO GROW IN FAITH, TO SEARCH FOR
KNOWLEDGE AND TRUTH IN MIND, BODY, AND SPIRIT
AND CONTINUE BUILDING THE KINGDOM OF GOD ON
EARTH. BY ACTIVE INVOLVEMENT IN THE LEARNING
PROCESS, STUDENTS ARE PREPARED FOR LIVES OF
CHRISTIAN LEADERSHIP AND SERVICE.**

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**FOR THE LORD GIVES WISDOM,
FROM HIS MOUTH COME KNOWLEDGE AND UNDERSTANDING;
HE HAS COUNSEL IN STORE FOR THE UPRIGHT,
HE IS THE SHIELD OF THOSE WHO WALK HONESTLY,
GUARDING THE PATHS OF JUSTICE,
PROTECTING THE WAY OF HIS PIOUS ONES.**

PROVERBS 2: 6-8

**THIS BOOKLET HAS BEEN PREPARED WITH THE
ASSISTANCE OF ALL ACADEMIC DEPARTMENTS.**

McGill-Toolen Catholic High
Four-Year Course Planning Worksheet
2019-20

Student Name _____ Grade _____

This worksheet will help you plan your four-year high school curriculum. You may enter the course next to the subject in preparation for registration. Please refer to page 2 for the requirements to complete this worksheet. Course descriptions begin on page 6.

Ninth Grade
7 Credits Required

Theology _____

English _____

Social Studies _____

Math _____

Science _____

Technology 101 (.5) _____
1.5 Elective credits from Foreign Language,
AEP, PE, Art, Music, and Technology

Tenth Grade
7 Credits Required

Theology _____

English _____

Social Studies _____

Math _____

Science _____

2 credits of electives:
Foreign Language, AEP, PE, Art, Music,
and Technology

Eleventh Grade
7 Credits Required

Theology _____

English _____

Social Studies _____

Math _____

Science _____

2 credits of electives:
Foreign Language, AEP, PE, Art, Music,
Social Studies, and Technology

Twelfth Grade
7 Credits Required

Theology _____

English _____

Social Studies _____

Math _____

Science _____

2 credits of electives:
Foreign Language, AEP, PE, Art, Music,
Social Studies, and Technology

Graduation Requirements:

Theology	4 credits / one each year
English.....	4 credits / one each year
Social Studies	4 credits / one each year
Mathematics	4 credits / one each year
Science	4 credits / one each year
Physical Education*	1 credit
Health	1/2 credit
Technology 101.....	1/2 credit
Foreign Language	1 credit
Electives	5 credits
Total	28 credits

*Marching Band satisfies the P.E. Requirement.

Please be aware of the AHSAA and the NCAA Clearinghouse rules, requirements and regulations.

ADMISSION POLICY

Students who have a satisfactory academic, disciplinary and attendance record are eligible for admission to McGill-Toolen Catholic High School. Applicants are accepted on the basis of previous academic performance (grades and standardized test scores), recommendations of teachers and/or principals, and the student's desire to profit from the moral, spiritual, academic and physical programs offered by the school. McGill-Toolen Catholic does not discriminate on the basis of race, color, sex, national origin or ethnic origin. Students asked to leave a previous school are generally not considered for admission.

Parents and students accept the authority of McGill-Toolen Catholic High School to deal with violations of the school code in a manner reflecting the spirit and letter of the school code. Parents and students are expected to make themselves aware of all rules and regulations of McGill-Toolen Catholic High School and to abide by those rules and regulations.

It is to be clearly understood that the submission of an application form, along with the required fee, does not constitute admission to or enrollment in McGill-Toolen Catholic High School. A prospective student must go through the following procedures before being notified of acceptance.

ADMISSION PROCEDURES **Admission to the Ninth Grade**

An applicant for the freshman year must have satisfactorily completed the eighth grade of elementary school. The following are needed to complete the admission process:

- application for admission
- Alabama immunization certificate (IMM-50)
- registration fee
- transcripts from the grade school
- standardized test scores

In some cases, personal interviews are required. Students who did not attend a Catholic partner school will be placed on a waiting list if enrollment reaches capacity.

Transfer Students

A valid reason must exist for the transfer of a student to McGill-Toolen Catholic. The following procedures are followed for those students applying.

1. Parents must fill out an application for admission and provide an unofficial transcript and a current report card demonstrating the student's academic record in his secondary school to date, as well as any standardized test information.
2. The Director of Admissions and/or another administrator interviews the parent(s) and student in order to obtain a profile of the student's academic, disciplinary and attendance history.
3. The Director of Admissions makes a recommendation to the Principal on the student's application for admission.
4. The parent(s) and student are notified in a timely manner of the final decision.
5. Admissions and registration are not complete until an official transcript has been received by McGill-Toolen.
6. McGill-Toolen Catholic does not accept twelfth grade transfer students from within the Mobile area.

Currently Enrolled Students

Pre-registration of all currently enrolled students takes place in the spring of the year. Re-admission for the next year will be contingent on successful completion of academic work and an evaluation of disciplinary and attendance records done at the end of the current school year. Those not being readmitted will be notified no later than June 15.

♦ Typical student schedules for each year would be as follows:

Freshman -7 credits required

Theology
English
Social Studies
Mathematics
Science
Technology 101 - ½
Elective (must choose 1½ credits)
 Foreign Language
 Humanities
 AEP class
 Physical Education

Sophomore – 7 credits required

Theology
English
Social Studies
Mathematics
Science
Elective (must choose 2 credits)
 Foreign Language
 Humanities
 AEP class
 Technology
 Physical Education

Junior - 7 credits required

Theology
English
Social Studies
Mathematics
Science
Health (1/2)
Elective (must choose 2 credits)
 Foreign Language
 Humanities
 AEP class
 Technology
 Physical Education

Senior – 7 credits required

Theology
English
Social Studies
Mathematics
Science
Elective (must choose 2 credits)
 Foreign Language
 Humanities
 AEP class
 Technology
 Physical Education

♦ Note: Parents and students are advised to refer to the **first page in this booklet for the four-year curriculum worksheet**. For more detailed information regarding course planning in light of particular **college admission requirements**, please see the appendix.

Note - Alabama High School Athletic Association's rules concerning sports eligibility and participation require that students must take a full credit in Math, Science, English and Social Studies during the school year and successfully pass at least six new credits, including these core courses, with an average of 70%, to meet partial requirements for sports eligibility. Eligibility is determined at the end of the school's academic year for the upcoming sports season. Any questions concerning a student's eligibility should be addressed to the Office of the Athletic Director.

General Information...

PROGRAM PLACEMENT

All levels of instruction at McGill-Toolen are geared toward college-bound students to best suit their learning styles. These levels are identified next to the course title:

- a) **College Preparatory 1 (CP1)** – The content of the course is equivalent to a CP2 class, but the size is reduced to provide additional direct instruction. The same textbook and course of study are followed.
- b) **College Preparatory 2 (CP2)** - Course content, pacing, and academic challenge are geared to students primarily within the average range of academic ability. Independent work and considerable personal responsibility are expected.
- c) **Honors (HON)** - Course content, pacing, and academic challenges are accelerated beyond the regular college-preparatory levels. These classes are for college-bound students at ease with a demanding work load that routinely requires independent research and high levels of personal responsibility and motivation.
- d) **Advanced Placement (AP)** - These courses are exceedingly rigorous and are recommended exclusively for highly motivated students with exceptional academic abilities. Instruction is geared to a nationally-administered, optional test, the results of which are recognized by many colleges and universities as a basis for awarding advanced placement within their programs. See the special section at the end of this booklet for more detailed information.
- e) **No level indicated** - If an instructional level is not indicated next to the course title, then the course is a skills or talent course open to any student meeting the specified requirements.

Student placement in courses is based upon standardized test scores, professional recommendations, and previous academic performance. Parental waivers and administrative approval are required for students who request to enroll in courses more challenging than those at the recommended level. Students cannot be waived into a course for which they do not have the minimum prerequisites. Students may not waive into courses for which they are overqualified.

ACCREDITATION

McGill-Toolen Catholic is accredited by Advanced Ed (formerly SACS-CASI). Colleges and universities accept our transcript as a document that validates the legitimate completion of a course of study at the American secondary level.

COURSE SELECTION

Course selection is a very important process. Please take time to consider carefully the selection of these courses. After the registration process is completed, course changes are permitted only under extraordinary circumstances and after administrative review. Requests based solely on change of teacher will not be honored. All requests for schedule changes must be made within the first week of the semester. Class size and teacher load are two of the factors that must be considered.

The proper selection of subject-matter courses is one of the most important tasks that students face in planning for their future. Both teachers and counselors are available to help students. Counselors help students select the most appropriate program of studies for the next academic year both through group guidance sessions for all students and through individual counseling sessions on request.

EARNED CREDIT AND PROMOTION

Students earn credit by the semester ($\frac{1}{2}$ credit). Students who fail the first semester in a yearlong (continuous) course will pass the subject for the year if they earn a combined average of 60% or more for first and second semester. Students are required to earn the same number of credits that they attempt during each school year. If a student should fail to earn credit because of failure in one or more subjects taken, the following guidelines apply:

Students are expected to make up failed credits prior to returning to school the next year.

Students who return to school more than one credit deficient must have administrative approval to be allowed to return to McGill-Toolen Catholic High School. Incoming seniors may not be credit deficient.

It is the student's and parents' responsibility to make arrangements to remedy deficient credits. Semester report cards list courses and grades as an indication of credits earned.

COURSE OFFERINGS BY DEPARTMENT

ACADEMIC ENRICHMENT DEPARTMENT

The Academic Enrichment Program is offered to provide support services for students with learning challenges. The program is designed to assist students with special learning needs to reach their full potential. Once test data and records are on file, eligibility and placement determination will be made after consultation with a guidance counselor. Placement is generally considered to be contractual for the academic year. Placement for the following year will be reassessed each school year prior to the re-registration process.

AEP CLASS - 1 credit (AEP 9, AEP 10, AEP 11, AEP 12)

This class is designed to provide support services to students who have been identified (through psychological and academic testing) as having a learning challenge. Students receive help in a variety of study skills to enhance their academic performance in the regular college-prep classroom. In addition, tutorial assistance in various subject areas is also available during class as time permits. Periodic communication is maintained with parents and classroom teachers of AEP students. Students who qualify attend the AEP Class on a daily basis for credit. \$800.00 additional tuition per student is assessed.

To be considered for the AEP Class:

- Students must have been, within the last three years, evaluated and recommended for services by a psychometrist/psychologist/psychiatrist using generally recognized evaluative measures for learning disabilities. These include an academic and intelligence assessment.
- Students without current testing will not be admitted to the program.
- Students and parents understand that students will receive accommodations as stated in their testing reports. However, curriculum cannot be modified.
- To be assured of enrollment in an AEP class, students should enroll during registration.

MAPS (Mentors for Annunciation Program Students) – ½ or 1 credit (11, 12)

The MAPS (Peer Mentor) class is designed to provide juniors and seniors the opportunity to develop their knowledge of various types of disabilities and the laws governing them as well as to give hands-on experience. This course is offered to increase the depth of knowledge of such topics as IDEA, ADA, 504 plans, school and community inclusion, and transitioning into life after high school including college and job training programs. Peer mentors will go through a training session during the summer and will work under the direct supervision of an Annunciation teacher. Interested students should see Mrs. Seward in the Guidance Office for an application.

ENGLISH DEPARTMENT

Summer reading is required at all grade levels.

LITERATURE AND COMPOSITION 9 (CP1, CP2, Honors) - 1 credit

This course provides a study of literature with emphasis on analysis of the different genres designed to challenge the students to think, write, and read critically. Composition study emphasizes a review of grammar, mechanics, style, and syntax. Different styles of writing and essay development are included. This course includes a prescribed vocabulary program.

UNITED STATES LITERATURE 10 (CP1, CP2, Honors) - 1 credit

This course provides a study of the works of classic and contemporary American authors as well as a Shakespearean play. The extensive reading and writing assignments emphasize application of analytical skills. The composition program emphasizes paragraph and essay development. This course includes a prescribed vocabulary program.

PRE-AP LITERATURE 10 (Honors Advanced) - 1 credit

This course provides an in-depth study of the great works of fiction and nonfiction by American authors and Shakespeare. The extensive reading and writing assignments emphasize application of analytical skills. The composition program emphasizes essay development. This course also includes a prescribed vocabulary program. This course is highly recommended for students who wish to take Junior AP English Language.

BRITISH LITERATURE 11 (CP1, CP2, Honors) - 1 credit

This course provides a selection of classic and contemporary British literature through which students will further develop their analytical and interpretive skills. Appropriate written assignments provide the student with the necessary skills to write unified, coherent compositions. The composition program includes a research paper. This course also includes a prescribed vocabulary program.

AP ENGLISH LANGUAGE 11 (Advanced Placement) - 1 credit

This course provides an accelerated and in-depth study of the English language, argumentation, the development of expository modes, the composition of a maturely written research paper, and the personal investigation of classic and contemporary literature through complex, written rhetorical analysis. The student is expected to take the Advanced Placement exam in English/Language and is responsible for the testing fee. Prerequisites: Pre-AP Literature and/or a written portfolio with approval of AP teachers and department chair. This course is required for Senior AP English Literature.

WORLD LITERATURE 12 (CP1, CP2, Honors) - 1 credit

This course provides a study of major works by writers from around the world. Although emphasis is placed on masterpieces, writings by modern and contemporary authors are also discussed. The extensive

reading and writing assignments emphasize application of analytical skills. The composition program includes a research paper. The prescribed program of vocabulary is followed.

AP ENGLISH LITERATURE 12 (Advanced Placement) - 1 credit

This course provides an accelerated and in-depth study of classic and modern literature and language. Independent and outside work is required. The approved program for advanced placement is followed, together with the prescribed program of vocabulary study for seniors. The student is expected to take the Advanced Placement exam in English/Literature and is responsible for the testing fee. Prerequisite: AP English Language

**SUCCESSFUL COMPLETION OF THE RESEARCH PAPER IS REQUIRED FOR COURSE CREDIT
IN ALL JUNIOR AND SENIOR ENGLISH CLASSES.**

PUBLIC SPEAKING - ½ credit

This one-semester course includes instruction and practice in the following speech areas: building self-confidence in speaking situations, active listening, using the voice and body effectively, using audio-visual aids competently, making announcements, and making speeches to inform or to persuade. Preference is given to juniors and seniors who wish to enroll in this course. This course does not count as a required English credit.

CREATIVE WRITING I – ½ credit

This one-semester course provides the development of skills in both the in-depth study of and original creation of prose, poetry, and drama in an intensive workshop setting. Students will read and analyze a variety of writings from the classics to emerging literary forms (i.e. social media and visual/graphic representations). Students will also write a variety of genres while demonstrating the understanding of the writing process (i.e. prewriting, writing, revision, editing, and publishing) in the hope of finding, developing and perfecting their own voice. This course does not count as a required English credit. Open to students in grades 10-12; teacher approval required. This course does not count as a required English credit.

CREATIVE WRITING II – ½ credit

This one-semester course provides the continued development of skills in both the in-depth study of and original creation of prose, poetry, and drama in an intensive workshop setting. Moreover, students will develop the skills necessary to design and publish the literary magazine, *Ingenium*. Students will be introduced to InDesign while demonstrating the understanding of the creative process of magazine publication. This course does not count as a required English credit. Prerequisite: Must be *Ingenium* staff member and have taken Creative Writing I. Open to students in grades 10-12; teacher approval required. This course does not count as a required English credit.

FILM APPRECIATION – ½ credit

This one-semester course is intended for students interested in gaining an in-depth knowledge of film and film history along with developing the skills necessary for critiquing those films. Upperclassmen enrolled in the class will be introduced to a variety of theatrical experiences and film aesthetics. The course will be a survey of the history of film, various film genres, and the impact of film on society and in turn the use of film as commentary on society. The course will require students to analyze and write about various films and techniques used in making those films. This course does not count as a required English credit.

FINE & PERFORMING ARTS DEPARTMENT

This department offers a wide variety of courses for those who have a general interest in Fine Arts as well as for those who have a particular talent.

INSTRUMENTAL TECHNIQUES I - ½ credit

The purpose of this course is to enable students to develop basic performance skills on a selected instrument in a solo or small ensemble setting, using varied high school literature. Performance techniques, music knowledge, critical analysis, and aesthetic response are emphasized.

The content should include, but not be limited to, the following:

- Technical skills
- Individual and ensemble techniques
- Music literacy
- Sight reading and ear training
- Elements and characteristics of music
- Performance analysis
- Connections between music and other subject areas
- Instrument care and maintenance
- Responsible participation in music activities

The student will be responsible for providing his/her own instrument or (if available) use a school owned instrument.

INSTRUMENTAL TECHNIQUES II - ½ credit

The purpose of this course is to enable students to develop intermediate performance skills on a selected instrument in a solo or small ensemble setting, using varied high school literature. Performance techniques, music knowledge, critical analysis, and aesthetic response are emphasized.

The content should include, but not be limited to, the following:

- Technical skills
- Individual and ensemble techniques
- Music literacy
- Sight reading and ear training
- Elements and characteristics of music
- Performance analysis
- Connections between music and other subject areas
- Instrument care and maintenance
- Responsible participation in music activities

The student will be responsible for providing his/her own instrument or (if available) use a school-owned instrument.

ADVANCED BAND - 1 credit

The purpose of this course is to enable students to develop proficient technical skills on wind or percussion instruments through the refinement and performance of high school band literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance, and critical listening.

The content should include, but not be limited to, the following:

- technical skills

- individual and ensemble techniques
- music literacy
- sight reading and ear training
- elements and characteristics of music
- instrument care and maintenance
- responsible participation in music activities

This is an auditioned performance ensemble for students in grades nine through twelve. Students should have participated in an elementary or middle school band prior to being enrolled in this class.

Participation in this subject requires approval of the band director.

The Advanced Band performs as both the marching band and symphonic band throughout the entire year. The student must be a member of the band class in order to participate in band. The activities of the band will include football games, parades, marching festivals, concerts and concert festivals. Rehearsals will be held during the school day, and after school rehearsals will also be required for participation. Participation in Advanced Band fulfills the P.E. requirement. Students will pay an activity fee of \$100.

COLOR GUARD/AUXILIARY TECHNIQUES - ½ credit

This class is designed for those who are in the Yellow Jacket Marching Band Visual Ensemble(s).

Audition in the spring and consequent membership in the band program is a prerequisite for this course.

Topics include proper marching and equipment technique. The course is taken first semester only and satisfies a half credit toward P.E. requirements. Students will pay an activity fee of \$100.

PERCUSSION CLASS - ½ or 1 credit

The purpose of this course is to develop basic performance skills on all percussion equipment.

Performance techniques, music knowledge, critical analysis and aesthetic response are emphasized.

Audition required. Students will pay an activity fee of \$100. This course fulfills a semester or full year of PE requirements.

VARSITY SINGERS – ½ or 1 credit

This is a soprano, alto, tenor, and bass chorus for students in grades 9-12. Open auditions are held in the third quarter of the preceding year and students are notified of placement prior to final registration.

Incoming freshmen may see their counselor for placement. The members of this chorale are expected to maintain high musical standards and to serve in the school, community, and archdiocese. This group may compete at both local and regional festivals. Participation in the Spring Production is required.

ADVANCED WOMEN'S CHORALE – 1 credit

This course is an auditioned performance ensemble for women in grades 10-12. Open auditions are held during the 2nd semester of the year preceding enrollment. The members of this group are expected to maintain high musical standards and to serve in the school, community and archdiocese. The group will perform SA, SSA, and SSAA music from various style periods. Students are required to participate in the Boar's Head Festival first semester and a major musical or concert work second semester.

CHAMBER SINGERS - 1 credit

This is an auditioned chorus for soprano, alto, tenor and bass singers. Open auditions are held the third quarter of the preceding year and students are notified of placement prior to final registration. The Chamber Singers are expected to maintain the highest of musical standards and to serve as a public relations/service organization to the school and archdiocese. In addition, this group may compete at both local and regional festivals. Participation in the Spring Production is required.

VISUAL ARTS COURSES

DRAWING I - ½ credit

Drawing is the foundation of all art and is considered a vital skill for all serious art students. This drawing course offers instruction to develop a realistic three dimensional image on paper by observing the actual objects. The student will be introduced to measuring techniques and modeling as well as various ways to show depth of field. Students will practice drawing still lifes and small objects rendered in media such as graphite, charcoal and color pencil.

DRAWING II - ½ credit

This course is for the student wishing more experience and instruction in drawing. This directed studies course is usually incorporated into the Drawing 1 class to encourage students to review with first level students as needed. Students are expected and encouraged to develop a personal style and to create more complex and sophisticated work as experience is gained. Prerequisites: Drawing 1 and teacher approval.

CERAMICS I - ½ credit

Ceramics is a three-dimensional course that offers instruction in hand building sculptures and vessels in clay. The students will find the moist clay easily manipulated into specific shapes and forms. Students' work will become permanent when fired and will be finished with clear glaze. The basic properties of clay and construction methods such as coiling, stiff slab and modeling will be taught. Sprigging, slip trails, graffito and impressing are some simple decorative techniques that will be covered. Health and safety issues are covered in this first level course.

CERAMICS II - ½ credit

This course is designed for the student interested in developing a personal style in ceramics by exploring the medium, guided by the instructor. Some instruction is given concerning more complicated construction and decorative techniques. The student will be expected to create more complex, interesting and sophisticated pieces in clay. Wheel work is expected but not required. Personal projects and experimental or exploratory work is encouraged to help develop personal style. Students are responsible for supplying any tools or materials not normally used in our studio courses. Prerequisites: Ceramics I and approval of instructor.

STUDIO ART I - ½ credit

This course introduces the student to a variety of media during the semester. Instruction is given in media such as drawing with pencil and ink, printmaking with linoleum and serigraphy, painting using watercolor, tempera and acrylics. Color theory, art elements and principles of design will be introduced through daily projects.

STUDIO ART II - ½ credit

This course is for students wishing more experience and guidance in an area where they have had some instruction. Personal projects and experimental or exploratory work is encouraged. Admittance to this course is by teacher approval and successful completion of Studio Art 1.

PAINTING I - ½ credit

Water soluble media such as watercolor, tempera and acrylics are used at this level. Color theory is also taught in this course. Sources for subject matter will be from observation and printed material.

PAINTING II - ½ credit

This course is for students wishing more experience and guidance in the area of painting. Personal projects and experimental or exploratory work is encouraged. Admittance to this course is by teacher approval and successful completion of Painting 1.

All AP Studio Art Classes

The Advanced Placement Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The AP Program is a cooperative endeavor that helps high school students complete college level courses and permits colleges to evaluate, acknowledge, and encourage accomplishment through the granting of appropriate credit and placement.

Students will need to work outside the classroom to complete assignments. As homework, students will keep a sketchbook/journal. Critiques, a common structure in the college classroom, are important in AP as well. Group and individual critiques teach students to discuss and evaluate their work and the work of their peers. Ongoing analysis enables both the student and teacher to assess strengths and weaknesses in their work.

AP DRAWING – 1 credit

For this portfolio, students are asked to demonstrate mastery of drawing through the use of the *principles of design* (unity, variety, balance, emphasis, contrast, rhythm, repetition, proportion/scale, figure/ground relationships) and *visual elements* (line, shape, color, value, texture, space). Good mark-making is possible whether one uses representational, abstract or expressive approaches to making art. AP Drawing Portfolio requires students to produce a minimum of 24 works of art that reflect issues related to drawing. The course enables students to develop a body of work investigating a strong underlying visual idea in 2-D design that grows out of a coherent plan of action or investigation (i.e., a "concentration"). Throughout this course, students will work toward developing mastery in concept, composition, and execution of 2-D design. Prerequisite: Drawing I.

AP 2D DESIGN PORTFOLIO – 1 credit

For this portfolio, students are asked to demonstrate mastery of 2D design through the use of the *principles of design* (unity, variety, balance, emphasis, contrast, rhythm, repetition, proportion/scale, figure/ground relationships) and *visual elements* (line, shape, color, value, texture, space). Good mark-making is possible whether one uses representational, abstract or expressive approaches to making art. AP Studio Art 2D Design Portfolio requires students to produce a minimum of 24 works of art that reflect issues related to drawing. Drawing, painting, mixed media and collage are all appropriate means for expressing drawing principles. The course enables students to develop a body of work investigating a strong underlying visual idea in 2-D design that grows out of a coherent plan of action or investigation (i.e., a "concentration"). Throughout this course, students will work toward developing mastery in concept, composition, and execution of 2-D design. Prerequisite: Drawing I and Painting I.

AP 3D DESIGN PORTFOLIO – 1 credit

For this portfolio, students are asked to demonstrate mastery of 3D design through the use of the *principles of design* (unity, variety, balance, emphasis, contrast, rhythm, repetition, proportion/scale, figure/ground relationships) and *visual elements* (line, shape, color, value, texture, space). Good mark-making is possible whether one uses representational, abstract or expressive approaches to making art. AP Studio Art 3D Design Portfolio requires students to produce a minimum of 24 works of art that reflect issues related to sculpture. The course enables students to develop a body of work investigating a strong underlying visual idea in 3-D design that grows out of a coherent plan of action or investigation (i.e., a "concentration"). Throughout this course, students will work toward developing mastery in concept, composition, and execution of 3-D design. Prerequisite: Ceramics I.

FOREIGN LANGUAGE DEPARTMENT

All students are required to take one credit of foreign language. However, many colleges and universities require two or more credits of the same foreign language.

FRENCH I (CP2) - 1 credit

This course introduces the student to oral and written French through vocabulary building and limited structure and study, enabling the student to construct short sentences on many topics. Geography and civilization are introduced. Students should be motivated to study the language and have a curiosity about other cultures.

FRENCH II (CP2) - 1 credit

In order to qualify for this course, a student must have completed French I with at least a C average and have teacher approval for CP2 or an 85 and teacher approval for Honors. This course provides students with a greater ability to understand spoken French and to express themselves using French both orally and in writing. The study of civilization is pursued in more detail.

LATIN I (CP2) - 1 credit

Although Latin is an ancient language, students will develop the same skills as in a modern language course. Students will develop proficiency in three modes: interpersonal, interpretive, and presentational. In other words, students will be able to speak, read, and write Latin. In addition to grammar and vocabulary, students will study the history, culture, and mythology of ancient Rome. Students will reflect on both similarities and differences between ancient Rome and modern American customs and mores.

LATIN II (CP2 and Honors) - 1 credit

Students will continue to develop proficiency in speaking, reading, and writing Latin. Reading myths and history and researching historical persons and events provide the student with a rich cultural background in literature, history, and geography. Students will also begin reading adapted Latin by Roman authors and authentic Latin in short poems. Prerequisite: minimum C average in Latin I for CP2 and an 85 average for Honors Latin.

LATIN III (Honors) - 1 credit

Students will continue to develop proficiency in speaking, reading and writing Latin. Most readings will be from authentic Latin literature such as the letters of Pliny, speeches of Cicero, and poems of Ovid. In the fourth quarter, students will begin Caesar's *Commentaries on the Gallic War*, or Vergil's *Aeneid*, both of which are part of the AP curriculum. Prerequisite: minimum B average in Latin II and teacher approval.

AP LATIN IV (Advanced Placement) – 1 credit

The Advanced Placement Program in Latin is the culmination of the high school program and focuses on developing the skills of sight reading, translating, reading comprehension, and analysis of texts in Latin. The College Board has established selections from Virgil's *Aeneid* and Caesar's *Commentaries on the Gallic War* in the original, unadapted Latin as the core of the curriculum. In addition to reading the texts, students examine their themes and find connections between the two and express their ideas in essays.

SPANISH I (CP1 and CP2) - 1 credit

This course introduces the student to the basics of Spanish grammar, vocabulary, and limited reading, thus enabling communication in simplest Spanish with acceptable pronunciation. An introduction to the history and culture of the Spanish-speaking world is also included. The student should have a strong desire to study language.

SPANISH II (CP2 and Honors) - 1 credit

The CP2 course is open to students who have completed Spanish I with a minimum average of C and have teacher approval. This course is designed to increase oral ability, to continue study of grammatical structure, idiomatic usage and vocabulary, to develop reading and writing skills, and to continue the study of Spanish culture. Honors students should exhibit a strong desire to continue the study of the language after the second year, and they must have at least an 85 average. This class will allow students to pursue the four language skills in greater depth and at an advanced pace. Teacher recommendation required.

SPANISH III (Honors) - 1 credit

This course is offered to students who have completed Spanish II with at least a “B” average and who have teacher approval. It is designed to perfect aural/oral abilities, to review and continue the study of grammar, and to increase cultural knowledge of Spain and Latin America. This course will introduce the student to Spanish writers and poets and will continue honing the reading and composition skills of the students. The level III Honors class is conducted in Spanish, and most of the material is in Spanish to help the students to think in the language.

AP SPANISH IV (Advanced Placement) - 1 credit

The Advanced Placement Program in Spanish Language is intended for those who have chosen to develop their proficiency in all four language skills: listening, speaking, reading, and writing. Students who enroll should already have a basic knowledge of the language and culture of Spanish-speaking peoples and should have attained a reasonable proficiency in listening comprehension, speaking, reading and writing. Students will have completed a minimum of three formal years of training at the secondary level prior to enrollment. The objectives for the course:

- the ability to comprehend formal and informal spoken Spanish
- the acquisition of vocabulary and a grasp of structure to allow for easy, accurate reading of newspaper and magazine articles, as well as modern literature in Spanish
- the ability to compose expository passages
- the ability to express ideas orally with accuracy and fluency.

Course content will reflect intellectual interest shared by the students and teacher (the arts, history, current events, literature, culture, sports, etc.). Materials include recordings, films, newspapers, and magazines. The course seeks to develop language skills that are useful and applicable to various activities and disciplines. Students will be required to present prepared topics orally and they will practice with timed responses.

MATHEMATICS DEPARTMENT

The general goals of the Mathematics Department are to encourage students to take a variety of math courses and, through their study of math, improve their logical, analytical, and critical thinking skills. Graphing calculators are strongly recommended for all courses other than Pre-Algebra (scientific calculator is acceptable) and required for upper level courses. The following are best for the purposes of math courses taught at McT: TI-84, 84+ (TI = Texas Instruments). Pre-Algebra students may use a TI-30.

PRE-ALGEBRA (CP1) - 1 credit

This course offers the student a review of mathematical operations using integers, fractions and decimals both positive and negative. One-step equations and inequalities are also covered as well as other selected topics in algebra and geometry. Placement is in accordance with prescribed procedures for entering freshmen. Calculators will be used throughout the course.

Please note: This course is not accepted by the NCAA Clearinghouse. It is not accepted by most four-year universities as a college-prep requirement.

ALGEBRA I (CP1, CP2, Honors) - 1 credit

In this course, the student will learn to solve equations and word problems with one and two variables, work with polynomials, factor polynomials, solve equations by factoring, work with inequalities, and work with graphs involving one and two variables. The student should be able to add, subtract, multiply, and divide signed numbers with ease. Placement is made in accordance with prescribed procedures for entering freshmen. *Students who have taken Algebra I in eighth grade will not take Algebra I again in ninth grade.

GEOMETRY (CP1, CP2, Honors) - 1 credit

This course will cover topics in which students will exercise their critical thinking skills and their ability to analyze and synthesize. While the use of theorems, postulates, and axioms will be covered with two-column proofs, the emphasis will be on integrating algebraic skills with the real world applications of Geometry. Circles, the Pythagorean Theorem, polygons, area, volume, and coordinate geometry will be taught. A graphing calculator is required. Prerequisite: Algebra I.

ALGEBRAIC CONNECTIONS (CP1) - 1 credit

This course is designed for the student who has completed the College Prep 1 level in Algebra I and Geometry and who needs further development in these subjects. Topics covered in this course include equations, inequalities, graphs, functions, linear systems, consumer mathematics, financial management, geometry, measurement and statistics. A graphing calculator is required. **Please note: This course is not accepted by the NCAA Clearinghouse. It is not accepted by most four-year universities as a college-prep requirement.**

ALGEBRA II (CP1, CP2, Honors) - 1 credit

This course involves solving linear and polynomial equations and inequalities, systems of equations, solving and graphing quadratic relations, logarithms, and extending the real number system to include the irrational and complex numbers so that students can work with roots and powers of numbers, variables and quadratic functions, and matrices and conic sections. A graphing calculator is required. An extended unit on Trigonometry is taught in the Honors class.

ALGEBRA III (CP1, CP2) - 1 credit

This math course is designed for students who need reinforcement of algebra skills. This course covers the major topics of college algebra, basic trigonometric principles, and includes basic statistics. Prerequisite: A maximum C average in CP2 or CP1 Algebra II.

PRE-CALCULUS W/TRIGONOMETRY (CP2, Honors) – 1 credit

This course explores circular functions and plane trigonometry and their applications. Topics covered will also include vectors, graphing trigonometric functions, solving trig equations and trigonometric identities. Pre-Calculus is primarily a continuation of Algebra II. Topics covered will include analyzing and graphing linear, polynomial, rational, and exponential functions. Other topics such as logarithms, sequences, and series will also be covered. Prerequisite: At least a C average in the previous Algebra II course. Graphing calculator is required.

CALCULUS (CP2 and Honors) - 1 credit

This course is designed for the student who has taken Honors Pre-Calculus and who wishes to continue with Calculus at the next level. The student will study in detail limits and derivatives. Methods of differentiation and integration will be developed with emphasis on application. Transcendental functions will also be studied. A graphing calculator is required.

AP CALCULUS–AB - 1 credit

The student will study in detail limits and derivatives. Methods of differentiation and integration will be developed with emphasis on application. Transcendental functions will also be studied. The student is encouraged to take the Advanced Placement Exam and is responsible for testing fee. Prerequisite: Honors Pre-Calculus. A graphing calculator is required.

AP CALCULUS–BC - 1 credit

This class is a continuation of the calculus topics covered in Calculus AB. Additional methods will be introduced for evaluating limits and integrals. Additional topics covered will include infinite series and applications of derivatives and integrals will be explored in detail. The student is encouraged to take the AP Exam. A graphing calculator is required. An online provider may be used for this course.

Typical Mathematics Course Sequences

<u>9th</u>	<u>10th</u>	<u>11th</u>	<u>12th</u>
Pre-Algebra (CP1)	Algebra (CP1)	Geometry (CP1)	Algebra II (CP1) or Algebraic Conn. (CP1)
Algebra I (CP1)	Geometry (CP1)	Algebra II (CP1) or Alg Conn. (CP1)	Algebra III (CP1) or Algebra II (CP1)
Algebra I (CP2)	Geometry (CP2)	Algebra II (CP2)	Algebra III (CP1) or Pre-Calc w/Trig (CP2)
Algebra I (H)*	Geometry (H)	Algebra II (H)	Pre-Calc w/Trig (H)
Geometry (CP2)	Algebra II (CP2)	Pre-Calc w/ Trig (CP2)	Calculus (CP2)
Geometry (H)	Algebra II (H)	Pre-Calc w/ Trig (H)	Calculus (H) or AP Calculus (AB)

*For students starting in Honors Algebra I wishing to take Calculus as a senior (requires department and/or administrative approval), they may “double-up” in the 10th grade year, taking both Honors Geometry and Honors Algebra II.

NOTE: The math course sequences listed above are “typical” sequences that most students will follow. Variance from these sequences may occur in special cases or based on student achievement in the mathematics classes. Movement between levels must have the approval of the counselor and/or administration.

PHYSICAL EDUCATION DEPARTMENT

One credit in Physical Education and one semester of health are required for graduation.

GIRLS' PHYSICAL FITNESS - ½ credit

The students will participate in various activities and projects designed to help develop healthy and safe lifelong fitness habits. Incorporated into each class or conditioning program are the four components of exercise: cardiovascular fitness, muscle strength, muscle endurance and flexibility. Activities include aerobic workouts, fast walking, jogging, floor exercises, and weight training. Stressed throughout are physical fitness concepts, proper techniques, and safety guidelines.

BOYS' PHYSICAL FITNESS - ½ credit

The students will participate in various activities designed to develop skills in sports as well as improve muscular strength, muscular endurance, and cardio respiratory endurance. Activities include weight training, jogging, individual and team sports. Skill development, safety guidelines, teamwork and discipline will be stressed throughout the course.

BOYS' 9TH GRADE ATHLETIC P.E. - ½ or 1 credit

This course is designed for male freshman athletes. It is required of all male freshmen football, baseball and basketball athletes. It involves weight training and physical conditioning.

BOYS' ATHLETIC P.E. - ½ or 1 credit

These courses are designed for those students participating in varsity football, basketball, soccer, track and baseball. Seniors taking varsity football will take ½ credit first semester only.

GIRLS' ATHLETIC P.E. - ½ or 1 credit

These courses are for girls participating in volleyball, basketball, soccer, and track. During the season, this class deals with strategies, game plans, and game preparations. During the off season, the class is used for conditioning, weight lifting and improving basic skills, as well as developing leadership, self-discipline and teamwork.

PERSONAL AND COMMUNITY HEALTH - ½ credit

The objective of this course is to educate students in health-related matters so that they become aware of new health developments and the effects of these developments on each individual. Topics include disease and disease-related problems along with the treatment, control and prevention of these problems. Proper exercise, nutrition, accident prevention, first aid, safety and stress related problems are discussed. This course **does not** fulfill a Physical Education requirement, but it is required for graduation. Please see your counselor if you are interested in a Zero Period Health Class (7-7:50 a.m. Mon-Thurs). **A \$200 fee is required for this early morning class.**

DRIVER EDUCATION - ½ credit

This course is divided into two sections. The classroom instruction consists of driving techniques, the effects of alcohol and drugs on driving, vehicle maintenance, safety and driving procedures. The actual driving experience in everyday situations is the practical application of the course. A Driver's permit is required. Students who do not successfully complete the classroom section (first three weeks) will be transferred to a P.E. class. This course **does not** fulfill a Physical Education requirement. A nonrefundable fee of \$100 is required.

Exemption from a Physical Education Class

1. A student must participate in a competitive sport that is not offered at McGill-Toolen for at least 65 hours per semester to receive one half credit.
2. The activity must be approved by an administrator prior to the beginning of the semester of the credit to be granted.
3. The instructor must be employed by the competitive team on which the student is participating.
4. The PE Exemption form is available in the Guidance Office. It must be completed and notarized before credit is granted.

SCIENCE DEPARTMENT

One of the following Principles of Physics classes is taken the freshman year:

PRINCIPLES OF PHYSICS (CP1, CP2) - 1 credit

This laboratory-based course provides exploratory experiences and opportunities for inquiry with the practical applications of physics emphasized. Topics investigated through the year include motion, forces, momentum, gravitation, energy, heat, electricity, magnetism, sound and light. Selected applications of physics principles to current technology are examined.

PRINCIPLES OF PHYSICS (Honors) - 1 credit

This laboratory-based course provides experience in careful data collection, guided investigations, data analysis and common applications of physics. Topics investigated through the year include motion, forces, gravitation, momentum, energy, electricity, magnetism, sound and light. Selected applications of physics principles to current technology are examined. Appropriate quantitative reasoning is used during the course.

One of the following Chemistry classes is taken the sophomore year:

CHEMISTRY (CP1, CP2) - 1 credit

This course is a study of the behavior and interactions of matter. Concepts and models used in chemistry include the conservation of mass (and energy), periodicity of atomic properties, structure of the atom, molecular structure, chemical reactions and stoichiometry. Quantitative reasoning and laboratory measurement skills are developed to determine percent composition, molar quantities, molecular weight and the dynamic changing of volumes and masses of reacting substances.

CHEMISTRY (Honors) - 1 credit

This course provides an in depth investigation of the evidence supporting the modern model of atomic structure, bonding, molar ratios, kinetic theory and stoichiometry. Skills in the careful measurement of matter and energy before, during and after reactions are developed. Relationships involving mass, volume and energy are investigated. Skill development emphasis is placed on quantitative reasoning used when determining molecular weight, percentage composition, molar ratios, volumes and masses of reacting substances. Course admission requires the recommendation of the previous science teacher and current enrollment in geometry (or having completed geometry).

Note: Juniors may take AP Chemistry if they have completed Honors Chemistry or any of the AP Sciences if they meet the prerequisite of the course.

One of the following Biology classes is taken the junior year:

BIOLOGY (CP1, CP2) - 1 credit

Students develop an understanding of the major biological ideas and their relation to the world around them. Course topics include biochemistry, cell biology, genetics, plant biology, taxonomy (classification) and an introduction to animals including anatomy. Evolution, the history of biology as a science and current events (including examination of ethical and moral perspectives) are discussed throughout the course. Students experience laboratories, group projects, group discussions and traditional lectures. The student develops lab skills in biology including the use of the microscope.

BIOLOGY (Honors) - 1 credit

Advanced students are challenged with an in-depth study of major biological ideas and their relation to the world around them. Topics include cell biology, biochemistry, genetics, plant biology, taxonomy (classifications) and an introduction to animals including anatomy. Evolution, the history of biology as a science and current events (including examination of ethical and moral perspectives) are discussed throughout the course. Students experience laboratories, group projects, group discussions and traditional lectures. The student develops biological related lab skills including the use of the microscope. Course admission requires the recommendation of a previous science teacher.

AP BIOLOGY - 1 credit

Advanced Placement Biology may be taken the junior or senior year (as a first or second-year biology). This course is designed to provide a rigorous course equivalent to a two-semester college introductory biology sequence. Students develop analytical skills and a conceptual framework appropriate for a college biology major. Emphasis is given to applying scientific knowledge. Reading requirements include scholarly articles and case studies in addition to the textbook reading. Laboratories may require time outside of required curriculum. The goal of the class is to prepare students to succeed on the Advanced Placement Exam; students are expected to take the AP exam. Prerequisites: Juniors who have successfully completed Honors Physics and Honors Chemistry or seniors who have taken honors science courses.

The following are elective science courses for the senior year:

AP CHEMISTRY - 1 credit

The course develops skills in applying the models of chemistry along with the laboratory skills typically required in college chemistry. This course requires significant initiative, effort and persistence on the part of the student along with prior knowledge of nomenclature, writing and predicting products for chemical reactions, atomic structure and use of stoichiometry. This course examines kinetics, equilibrium and acid/base equilibria, electrochemistry, thermochemistry, and thermodynamics. The goal of the class is to provide students with the knowledge and skills required to succeed on the Advanced Placement Exam. Prerequisites: Juniors who have successfully completed Honors Physics and Honors Chemistry or seniors who have taken honors science courses.

AP COMPUTER SCIENCE PRINCIPLES

This laboratory course introduces students to the fundamentals of computing, including problem solving, working with data, understanding the Internet, cybersecurity, and programming. The course focuses on the innovative aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives. Students will have the opportunity to use technology to address local and global problems and build relevant solutions. Students are required to complete the AP Performance Tasks and are strongly encouraged to take the AP exam.

AP PHYSICS: MECHANICS WITH CALCULUS - 1 credit

Careers relating to science or engineering require this calculus-based physics course in college. Classical physics topics that use basic calculus (developed in the context of the course) including the treatments of kinematics, dynamics and momentum using vectors are examined. Additional topics include rotational motion, vibration, simple harmonic motion and mechanical energy. Laboratories illustrate and verify the applications of the topics presented in lecture and match the standard lab experiences of the college level introductory physics courses. The goal of the class is to provide students with the knowledge and skills required to succeed on the Advanced Placement Exam. Prerequisites: Juniors who have successfully completed Honors Physics and Honors Chemistry or seniors who have taken honors science courses. Students must be enrolled in pre-calculus or a higher math course.

AP PHYSICS: ELECTRICITY & MAGNETISM WITH CALCULUS – 1 credit

Topics examined include electromagnetism, circuits (involving resistance, inductance and/or capacitance) and Maxwell's equations. This course emphasizes applying physics principles in a wide variety of problem solving contexts. The goal of the class is to provide students with the physics knowledge and skills required to succeed on the Advanced Placement Exam. Prerequisites: Students must have already taken or are currently enrolled in calculus, and students must have already taken and passed AP Physics Mechanics with Calculus.

ANATOMY AND PHYSIOLOGY (CP2) - 1 credit

The course presupposes student proficiency in both chemistry and mathematics. It consists of a comprehensive study of anatomy with emphasis placed on histology and physiology. Emphasis is placed on the lecture method of instruction. The laboratory is the means through which practical application of lectures is made. Prerequisites: Chemistry or Honors Chemistry, Algebra I.

EARTH AND SPACE SCIENCE (CP1 and CP2) - 1 credit

Earth and Space Science introduces students to an advanced look at the Earth's near neighborhood and perspectives of the universe from the Earth. Students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions based on critical thinking and problem solving. Emphasis is on topics related to origin and evolution of the Earth system, energy in the Earth system, and origin and evolution of the universe. In an age when exploration of near space offers an exciting frontier to investigate, knowledge of earth and space systems is essential for scientific literacy.

GENETICS (Honors) - 1 credit

Genetics is a rapidly expanding field that has produced a wealth of biological information about humans and other organisms. It has also produced a number of new questions and ethical concerns. This course focuses on classical and molecular genetics, ranging from structure of DNA to advances in biotechnology. Students are exposed to various methods of genetics investigations including the use of model organisms. Case studies in bioethics help students understand the implications and issues emerging as the science of Genetics continues to develop.

MARINE SCIENCE (CP2) - 1 credit

This course introduces students to scientific principles as they apply to the marine world. Specifically, topics include taxonomy and characteristics of marine protists, plants and animals, chemistry of ocean water, physical oceanography, marine geology, marine ecology, marine ecosystems and human impacts on the world's oceans. This class includes a significant lab component, and some field work will be included.

SOCIAL STUDIES DEPARTMENT

WORLD HISTORY SINCE 1300 (CP1, CP2, Honors) - 1 credit / 9th grade

This freshmen World History course assumes a global approach. Emphasis is placed on analysis of present-day problems and cultures in light of historical influences. A detailed, thematic, and chronological study of the world's history since 1300 will be completed during the year, with units on the political, economic, geographic, and historical aspects of key countries and regions.

Part 1 1300-1815: Renaissance to Napoleon and the Congress of Vienna

Part 2 1879 - Present: Nationalist and Industrial Revolutions through the present

PRE-AP WORLD HISTORY - 1 credit / 9th grade

This freshman level course presents a chronological scope of major events and trends in world history from approximately the 1300s to the present. Students are expected to develop an understanding of various themes found across the curriculum in AP history classes. In addition, students will develop the ability to analyze both primary and secondary sources as well as visual sources such as art and political cartoons. Throughout the course of the entire year, students will develop their writing and outlining skills and learn how to compose long essay questions, document based questions, and short answer questions. The purpose of this class is to present a global approach to history while preparing students for future success in AP history courses and to develop strategies for analyzing college-level texts. Prerequisite: standardized test score of 90 percent or higher in reading.

WORLD GEOGRAPHY (CP1, CP2, Honors) – ½ credit / 10th grade

This sophomore course is designed to help students better understand the importance of geography and the world in which they live. This course will focus on the areas of the world through the lenses of the five themes of geography: location, place, human-environment interactions, movement and regions. Through individual and group projects, students will be given the opportunity to think both locally and globally to prepare them for the diverse society in which they live. A detailed study of the physical, cultural, political, and economic characteristics within each region, as well as their interactions, will be covered during this semester-long course.

U.S. HISTORY I (CP1, CP2, Honors) – ½ credit / 10th grade

For second-semester sophomores, this in-depth study of United States History to 1877 takes students from our nation's earliest beginnings to 1877, studying key people and events that helped mold this country into the nation it is today.

Part 1 Pre-Colonial Period to the War of 1812

Part 2 Era of Good Feelings to Reconstruction

AP EUROPEAN HISTORY - 1 credit / 10th grade

This sophomore course presents a chronological scope of major events and trends from approximately 1450, the High Renaissance period, to the present. Students are expected to develop an understanding of the principle themes, the ability to analyze historical evidence, and the ability to analyze and to express historical understanding in writing. Placement in this course is by invitation and/or teacher approval.

U.S. HISTORY II (CP1, CP2, Honors) - 1 credit / 11th grade

This junior year course is an in-depth study of the United States since 1877. Key events and people of the 19th, 20th, and 21st centuries that helped mold this country into the nation it is today will be covered.

Part 1 The Gilded Age through the Depression

Part 2 World War II to the Present

AP U.S. HISTORY - 1 credit / 11th grade

Junior level will learn the analytical skills and factual knowledge necessary to deal critically with the problems and materials of United States history. Students will learn to interpret and evaluate the relative

significance of primary and secondary source material and to present their evidence and conclusions clearly and persuasively in essay format.

AMERICAN GOVERNMENT (CP1, CP2, Honors) - ½ credit / 12th grade

During the first semester of the senior year, the student examines the governmental structure, political institutions, the American constitution, individual rights and responsibilities inherent in democratic citizenship, and current social problems.

AMERICAN ECONOMICS (CP1, CP2, Honors) - ½ credit / 12th grade

American Economics - During the second semester, senior level students will be involved with a survey of basic economic principles. This course, analytic rather than theoretical, examines current economic problems such as inflation, depression, recession, etc., and provides the opportunity for students to study topics of personal interest, such as consumerism, taxation, banking, the stock market, budgeting, credit, and various types of economic systems.

AP U.S. GOVERNMENT AND POLITICS - 1 credit / 12th grade

This senior level course introduces students to American government and politics by analyzing how political support is mobilized in our system and how public policy is made. Analysis of the Constitution, the federal system, its major processes, organization and institutions of national government is provided. Students will be expected to take the advanced placement exam and are responsible for testing fee. Prerequisites: AP U.S. History and/or department approval.

THE FOLLOWING COURSES ARE OFFERED BY THE SOCIAL STUDIES DEPARTMENT AS ELECTIVES. THEY DO NOT SATISFY ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION:

HUMANITIES: THE HIGHLIGHT TOUR OF WESTERN CIVILIZATIONS – ½ credit

Students will begin with Ancient Times and go to Modern Times, studying what makes a civilization famous. The course will highlight the areas from art and architecture to philosophy and religion in which that civilization succeeded. For example, for the Ancient Egyptians the class will examine the pyramids and study the reason for the buildings, what went inside of them, and how they were built. The class will be lecture and discussion driven and employ current technology to help students visualize the progression of civilization.

PSYCHOLOGY - ½ credit

This elective course involves a study of the factors that contribute to the understanding of the student's own behavior and how it relates to the behavior of others. This study will enable the student to approach the problems of society with increasing objectivity. The course includes insights into the principles of learning, personality development, abnormal psychology, child and adolescent psychology, and behavior in social groups.

SOUTHERN CULTURE - ½ credit

This elective course examines the cultures, institutions, personalities, and problems that have contributed to shaping Southern culture from prehistory to the present. Special emphasis will be placed on the nature of Southern identity - what is Southern and why - and how it has changed throughout our region's history.

SOCIOLOGY – ½ credit

Sociology is an elective course that studies human society and social behavior. The key component of this course is to study ourselves and the society that influences our behavior. Interactions between humans are an essential part of a society. A working knowledge of both the positive and negative interactions

that take place in a society is necessary in order to find answers to questions and solve problems in our world. Sociology teaches us to look at life in a scientific, systematic way. This course deals with the social atmosphere that helps to make us who we are and how we behave. Sociology will cover topics such as culture, violence, deviance, social control, socialization and personality development, group behavior, peer pressure, social class, the impact of social networking, and the role of the media on society.

TECHNOLOGY DEPARTMENT

COMPUTER SCIENCE DISCOVERIES (CS Discoveries) - ½ credit

This computer science course empowers students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. Students will learn how computers input, output, store, and process information to help humans solve problems, complete complex tasks, address real world scenarios such as application and website development. Throughout the course, students will develop a skill set in computer programming and design thinking that is transferable to upper level courses in science and technology. This course is available to sophomores, juniors, and seniors.

DIGITAL PHOTOGRAPHY – ½ credit

This course will provide students with the basic knowledge about DSLR cameras. Students will learn how a camera functions in combination with the shutter, exposure, and lighting. Each student will use the camera to capture photographs, bring them into the classroom and edit them before printing. Students will create a portfolio using Adobe Spark Video throughout the semester to build a journal to showcase their work.

GRAPHIC ARTS – ½ credit

This course will incorporate Photoshop, InDesign, and Dreamweaver. Knowledge of each application is needed to achieve the end goal of printable layouts as well as a web pages. Students will learn to create products for businesses in everyday use, such as business cards, letterhead, brochures, posters and advertisements while working with clients. Students will also learn the basics of web design so they can build a web page for a mock business.

SPORTS BROADCASTING – ½ credit

This course introduces students to the live broadcasting of McGill-Toolen sporting events. They will learn the fundamental concepts from filming and commentating to producing a live event. Students will operate cameras, computer monitors, iPads, and audio equipment while producing events. They will also be able to create commercials using Final Cut Pro X that will be featured on the McT Live site. This course is available to sophomores, juniors, and seniors.

TECHNOLOGY 101 - ½ credit

This freshmen level required course will teach students the essentials of computer and iPad use. Students will learn to master the keyboard with speed and accuracy as well as how to use various software applications such as Pages, Keynote, iPhoto, Numbers, iMovie and Google Drive. Students will use the computer and iPad as instruments of research. A textbook is not required, but students will pay a software fee of approximately \$5. **This course is required for graduation. The 8th hour Tech 101 class requires a \$200 fee.**

TECH TERN (Technology Intern) - ½ credit

This course is a hands-on study of technology integration in an educational context. The course is taught in a hybrid format with mostly online learning and some face-to-face meeting with McT IT staff, which

provides students with a greater understanding of online learning platforms. Initial class content will introduce common issues and troubleshooting steps. In the course, students will be required to assess problem sets throughout the day and define the best approach to addressing or solving the problem. In addition to solving problems for students and teachers, students will complete and maintain several running projects that address problems and/or solutions in educational technology integration. A major course component will be the creation of digital project in a given subject area for teacher usage. To be successful in this course, students should have a prior understanding of the iPad iOS. This course is available to juniors and seniors. **See your counselor if you are interested in this course.**

YEARBOOK JOURNALISM - 1 credit

This course provides a combination of academic classwork with hands-on experience in photography, writing, graphic design, leadership and computer desktop publishing at a professional level. This course is available to sophomores, juniors, and seniors. Teacher approval required.

THEOLOGY DEPARTMENT

The theology curriculum at McGill-Toolen follows the framework provided by the United States Bishops. Students will be exposed to curriculum from the Institute for Science and Ethics where appropriate. This material is contained in a textbook that will be available to the students.

REVELATION /TRINITY (CP1, CP2, Honors) - 1 credit

Revelation is offered during the first semester of freshman year to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible, students will encounter the living Word of God, Jesus Christ. They will learn about the Bible, authored by God through inspiration, and its value to people throughout the world. The students will pay particular attention to the Gospels where they may grow to know and love Jesus Christ more personally. Trinity, offered during the second semester of freshman year, will introduce students to the mystery of the Father, the Son, and the Holy Spirit. Students will understand that Jesus is the ultimate revelation to us from God.

PASCHAL MYSTERY/ ECCLESIOLOGY (CP1, CP2, Honors) - 1 credit

Paschal Mystery is offered during the first semester of sophomore year to help students understand all that God has done for us through His Son, Jesus Christ. Students will learn that God has planned for us to share eternal happiness with Him, which is accomplished through the redemption Christ won for us.

Students will be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

Ecclesiology is offered second semester of sophomore year to introduce students to the fact that the Church was founded by Christ through the Apostles and is sustained by Him through the Holy Spirit.

Students will learn about the sacred nature of the Church and how in and through the Church they encounter the living Jesus Christ.

MORALITY/ SOCIAL MORALITY (CP1, CP2, Honors) - 1 credit

Morality is offered the first semester of junior year. The course will examine the philosophical ground for the moral teaching of the Church, as well as the foundational moral principles of the Church. Matters of personal morality will be explored. The course will explore how each sin hurts the sinner as well as the Church and society. Social Morality is offered the second semester of junior year to introduce to students the Church's social teaching. Students will learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission.

APOLOGETICS/ SACRAMENTS (CP1, CP2, Honors) - 1 credit

Apologetics is offered first semester of senior year to study the credibility of the revealed doctrines of the Church. Students will be given an opportunity to study in depth the reasons given for the appropriateness

of accepting the Catholic faith. Special emphasis will be placed on how to address the objections to the Faith that students are likely to encounter after they graduate from high school. Sacraments is offered second semester of senior year to help students understand that they can encounter Christ today in a full and real way in and through the Sacraments and the Eucharist. Students will examine each of the Sacraments in detail so as to learn how they may encounter Christ throughout life.

ELECTIVES

REQUIRED ELECTIVES

Foreign Language – 1 credit
 Technology 101 – ½ credit
 Health – ½ credit
 PE – 1 credit

OTHER ELECTIVES

AEP - Academic Enrichment 9-12
 MAPS

English - Public Speaking
 Creative Writing I and II
 Film Appreciation

Music - Advanced Band Instrumental Techniques I and II
 Percussion Color Guard / Auxiliary Techniques
 Advanced Women’s Chorale Varsity Singers
 Chamber Singers

Art - Ceramics I and II Painting I and II
 Drawing I and II Studio Art I and II
 AP Drawing Portfolio AP 3-D Portfolio
 AP 2-D Design Portfolio

Languages - French, Latin and Spanish

Phys. Ed. - Driver Education (sophomores only)
 Athletic PE Classes
 Boys’/Girls’ Fitness

Science - Anatomy and Physiology (CP2) AP Biology
 Earth & Space Science (CP1, 2) AP Chemistry
 Marine Science (CP2) AP Computer Science Principles
 Honors Genetics AP Physics: Mechanics with Calculus

Social Studies – Humanities: The Highlight Tour of Western Civilization
 Psychology
 Sociology
 Southern Culture

Technology - CS Discoveries
Digital Photography
Graphic Arts

Sports Broadcasting
TechTern
Yearbook Journalism

THE ADVANCED PLACEMENT (AP) PROGRAM

Advanced Placement is a program that consists of college-level courses and examinations for high school students. It is sponsored and coordinated by the College Board and Educational Testing Service (ETS). The Advanced Placement Program gives students the opportunity to pursue college-level studies while still in high school and to receive college credit upon entering college, depending on the institution's policies in regard to the student's A.P. test score. Information about AP and placement policies at hundreds of colleges and universities is now available on the ETS website, www.collegeboard.com/ap/creditpolicy.

What are the benefits of AP for the student?

AP provides excellent preparation for college studies by

- increasing depth of knowledge
- encouraging highly developed analytical reasoning skills
- demanding disciplined study habits
- earning college credit

Students taking AP courses at McGill-Toolen Catholic are graded for those courses on a weighted scale. Thus, AP students have a potentially higher GPA than students enrolled in honors and regular courses. Because they take a common examination, AP students can compare their knowledge and understanding of a subject with that of other AP students throughout the nation. College admission officers actively recruit AP students because they consistently tend to perform better in college than non-AP students.

AP can ease the financial burden of college. Students who earn the required score on an AP exam may receive the equivalent of 3-6 semester hours of college credit.

Successful completion of an AP course gives a student a tremendous sense of accomplishment. Students who receive scores of 3 or higher on three or more full-year AP exams during their high school career are given special recognition by the College Board and Educational Testing Service.

What can a student enrolled in an AP course expect?

- greater opportunity for individual progress, challenge, and accomplishment
- greater depth in the coverage of academic material
- development of critical thinking skills, fluid writing abilities, problem solving skills and the ability to absorb masses of material
- more effort and homework than in a regular or honors course

Who should enroll in an AP course?

Participation is based on current teacher recommendation. Students should be consistently successful with previous coursework and have the willingness and ability to meet rigorous academic challenges. It is important that families of students enrolled in AP Courses understand the increased amount of time, energy and effort involved in the successful completion of the course(s).

When are the AP examinations given?

The AP examinations are administered on designated days in May by schools throughout the world. The fee is set by AP and is posted each year. Fee reductions are available for students with acute financial need. In June the exams are graded on a five-point scale, with 5 signifying that the candidate is extremely well-qualified; 4, well-qualified; 3, qualified; 2, possibly qualified; 1, no recommendation. In July the grades are sent to the students, their designated colleges, and their schools.

What AP courses does McGill-Toolen Catholic offer?

At present McGill-Toolen Catholic offers the following Advanced Placement courses:

Art

Drawing Portfolio
2-D Design Portfolio
3-D Design Portfolio

English

English Language 11
English Literature 12

Foreign Language

Spanish IV
Latin IV

Mathematics

Calculus AB
Calculus BC
Statistics

Science

Chemistry
Biology
AP Computer Science
Physics: Mechanics w/Calculus

Social Studies

European History
U.S. History
U.S. Government & Politics

Pre-AP Courses

Pre-AP English (Grade 10)
Pre-AP World History (Grade 9)

