



# Curriculum Guide

2023-2024



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# 2023-2024 Course Selection

## SCHEDULING PROCESS FOR THE 2023-2024 ACADEMIC YEAR

- 1. Families must have completed all steps in the registration process with the business office.**
  - a. Complete Enrollment Agreement
  - b. Complete Tuition Rate Form
  - c. Paid \$550 Registration Fee (by January 27)
  
- 2. Complete the following forms in myFatherRyan all by March 3 (will not be made available until Step 1 is complete).**
  - a. Guidance Counseling Information Sheet (parent)
  - b. Parent Responsibility Agreement (parent)
  - c. Student Responsibility Agreement (student)
  
- 3. Following the student scheduling assemblies, students, parents and teachers should communicate regarding appropriate course and level placements.**
  
- 4. Make your 2023-2024 course selections online in myFatherRyan between February 21 and March 3. This must be completed in the student's myFatherRyan account and can be found on the dashboard by clicking "Course Requests."**
  - a. Course descriptions can be found in this document.
  - b. Course selections should be taken very seriously. Once approved, changes to courses will not be considered until the course request change window opens in the summer. Schedule changes are then considered based on availability.
  - c. Father Ryan does not accept requests for courses based on teacher preference, classmate preference or for how classes are arranged in the schedule.
  
- 5. Complete any additional requirements for classes that require an audition, essay, form, recommendation or any other additional step.** This is the student's responsibility. When in doubt, ask the teacher of the course or the Director of Academic Counseling. This is also due by March 3.
  
- 6. Any student who has not completed all steps with the business office or has incomplete forms after March 3 will not be scheduled for classes until all steps are completed.**

### ADDITIONAL NOTES

- In February, teachers will make recommendations for placement of returning students (advanced placement, high honors, honors and college preparatory levels) and will inform students of their recommendations. Students who wish to move levels should have discussions with their teachers during the scheduling process to consider eligibility.
- As the master schedule is built, seniors will have first choice for all classes, followed by juniors, then sophomores. All students must schedule at least eight classes per year.

- During the months of April and May, the office of Academic Counseling will finalize scheduling and make all adjustments to the Master Schedule.
- In June, schedules will be mailed home for parents and students, and students will have the opportunity to request changes to the schedule.



### SCHEDULING TIMELINE

DATE	EVENT
January 25 – February 20	Teachers make level recommendations in mFR
Thursday, February 9	Scheduling Assemblies for grades 9-11
Tuesday, February 21	Online Scheduling Opens in mFR
Friday, March 3	Online Scheduling Closes in mFR AP Applications and Supplemental Requirements due
May 15	Course change request form opens
Early June	Schedules are mailed home
June 23	Deadline to request a course change
June 24–First day of school	No course changes can be requested

## FATHER RYAN HIGH SCHOOL ACADEMIC REQUIREMENTS

To earn a Father Ryan diploma, a student must attend four years of high school. In addition to earning a minimum of 28 credits, a student must meet the following requirements to graduate:

SUBJECT	REQUIRED NUMBER OF CREDITS	SPECIFIC COURSES AND REQUIREMENTS
Theology	4	Theology I Theology II Theology III Jesus Christ Mission (1 Sem) and either: Senior Service, Intro to Philosophy or World Religions
English	4	English I American Literature British Literature English IV or AP English Literature
Mathematics	4	Algebra I Algebra II Geometry 4 <sup>th</sup> Math Students must take 1 math course each year regardless of accrued credits.
Science	3	Biology Chemistry 3 <sup>rd</sup> Science
Social Science	3	World History U.S. History 3 <sup>rd</sup> Social Science
Technology	.5	Digital Literacy & Citizenship (2024, 2025, 2026 Graduating classes only)
Wellness	1.5	1 Physical Education ½ Health
Visual and Performing Arts	1	
Freshman Seminar	.5	Taken Fall of Freshman Year
Electives	Variable	Sufficient credits to meet minimum of 28 credits

### Additional Notes:

- Students must earn one credit in Theology for each year of attendance at Father Ryan High School.
- Students must earn two credits in the same World Language.
- No more than one physical education credit per year may be earned.
- PLEASE NOTE: The above requirements are *minimum* requirements. We encourage our students to challenge themselves to take more than the minimum in the core subject areas.

*Be sure to check the minimum requirements for all colleges and/or universities you are considering, as these may be different from the expectations of Father Ryan.*

1. **Seniors** must earn six credits in the senior year to graduate. These six credits must be comprised of the following:
  - Theology
  - English
  - Math
  - 2 additional core credits\*
  - 1 additional credit bearing course

\*core credits must come from the following departments:

  - English
  - Math
  - Science
  - World Languages & Cultures
  - Social Science
  - Any AP Course
2. **Juniors and Sophomores** must earn four core\* credits in addition to the required Theology course. Juniors must earn credits in Theology, English, Math, Science and U.S. History. Sophomores must earn credit in Theology, English, Math, Science and World Language.
3. Seniors may not drop a credit-bearing course for a study hall in the second semester of their senior year. A request must be made prior to the end of the 1<sup>st</sup> Semester.
4. Unlike the rest of our courses, AP courses may not be dropped once the academic year begins, even if within the drop period or due to poor performance. Additionally, AP courses are not eligible for a level change even if there is a different level of the course.
5. All students must take a math class each year, regardless of the number of math credits accrued.
6. A student must pass each semester of every course with a 70 or higher. *Each semester stands independently; if a student fails one semester of a course, it must be made up in the Father Ryan Summer School program. If a student fails both semesters of a 2-semester course, the course must be made up during the next academic year at Father Ryan High School, unless both semesters of the course are available in the Father Ryan Summer School. Failure of 2 semesters in a 2-semester course cannot be made up in any other summer school program without the approval of the Academic Dean, and only if unavailable through Father Ryan (FRHS Student-Parent Handbook, pg 22).*
7. With the exception of courses indicated as “new credit” in the summer school catalog, no subject required for graduation at Father Ryan High School may be taken for new credit in summer school.

## COURSE SCHEDULE CHANGES

1. Courses required for the current grade level may not be dropped. Advanced Placement courses may not be dropped once the academic year begins.
2. Students requesting a change in their initial schedule must do so **by Friday, June 23, 2023, using the Course Change Request Form** found in myFatherRyan. This form will open on the myFatherRyan resource board on May 15. Please do not e-mail or call to request a course change. **No course change requests may be made between June 23, 2023, and the first day of school.** Course change requests submitted by June 23 will be reviewed; however, there is no guarantee that the change can or will be made. Make sure you take the initial scheduling process very seriously.
3. Students are encouraged to make all second semester changes prior to Christmas Break to ensure changes are made prior to the start of the second semester. Yearlong classes may not be dropped at the end of the first semester.
4. For students to change academic levels within the current school year, students must receive approval by 1) the parent(s) and 2) the current classroom teacher before the schedule change can be considered. Not all requested changes will be granted.
5. Once school is in session, schedule changes are permitted as follows:
  - a. A student may change course levels only during the first or third quarter or between semesters. After the following dates, students may not drop semester courses:

<b>Last Day to Add a New 1<sup>st</sup> Semester Course:</b>	<b><u>August 18, 2023</u></b>
<b>First Semester Drop Deadline:</b>	<b><u>August 25, 2023</u></b>
<b>Last Day to Add a New 2<sup>nd</sup> Semester Course:</b>	<b><u>January 19, 2024</u></b>
<b>Second Semester Drop Deadline:</b>	<b><u>January 26, 2024</u></b>
  - b. Seniors may not drop a credit-bearing course for a study hall in the second semester.

## FATHER RYAN ATHLETIC ELIGIBILITY RULES

In order to be eligible for athletics in the fall semester, Father Ryan High School and the TSSAA require students to earn six full credits the preceding school year. In order to be eligible for the second semester (spring) Father Ryan High School students must earn six or more half credits in the first (fall) semester.

## INFORMATION FOR THE COLLEGE BOUND STUDENT ATHLETE

Students who hope to participate in college athletics should review the academic eligibility requirements from NCAA, which can be found at [www.NCAA.org](http://www.NCAA.org). Eligibility requirements include the number of and types of high school academic credits you must earn, in addition to a minimum NCAA core GPA and minimum ACT or SAT score. If you have questions about these academic eligibility requirements, please contact your Father Ryan College Counselor. NCAA's eligibility requirements are often lower than college admission requirements (in other words, being declared academically eligible by the NCAA does not automatically mean you will be admitted to a specific college where you might want to participate in athletics).

Please note that only approved NCAA core courses are used to calculate a student's NCAA core GPA. For example, grades earned in Wellness courses, Visual and Performing Arts courses, and Theology courses are not used in the NCAA GPA calculation. NCAA approved courses do not make every school year and are listed according to the department designated by NCAA (not as designated by Father Ryan).

**SEE THE STUDENT PARENT HANDBOOK FOR A DETAILED LISTING OF APPROVED NCAA COURSES.**

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## COURSE LEVELS

Since challenging every student's academic ability and motivating that student in his/her pursuit of academic excellence are fundamental parts of its mission, Father Ryan High School offers over 200 courses, ranging from challenging college preparatory courses to Honors and High Honors levels of these courses. In addition, 27 advanced placement courses are currently available. The placement process addresses more specifically the needs of individual students.

Placement in Honors, High Honors, and/or Advanced Placement classes is determined on a course-by-course basis. Students who excel in a particular area may not be well-suited for Honors work in another. All Honors, and High Honors, and Advanced Placement courses have limited enrollment.

Since student success is a high priority at Father Ryan High School, teachers consider the following characteristics as strong indicators that a student will be successful in the following course levels:

### 1. COLLEGE PREPARATORY LEVEL (CP)

- a. Can handle a challenging college preparatory curriculum
- b. Is willing and motivated to work hard and complete tasks
- c. Can understand the major concepts of the content
- d. Is prepared to do outside reading and move to a higher level of critical thinking skills

### 2. HONORS LEVEL (H)

- a. Can retain material and readily use it without constant drill and practice
- b. Can handle some outside projects during the semester and work independently
- c. Can demonstrate excellent critical thinking skills, but may need some direction
- d. Can learn material at a faster pace

### 3. HIGH HONORS LEVEL (HH)

- a. Is self-directed and self-motivated
- b. Can handle several outside projects and more outside reading
- c. Can handle frequent demands of higher level critical thinking
- d. Can handle a faster pace for mastering required elements in course
- e. Is able to work with material covered at a more detailed level; testing, grading, and homework would reflect this level

### 4. ADVANCED PLACEMENT LEVEL (AP)

- a. Is more responsible for own academic achievement; is mature and highly motivated
- b. Is concerned with knowledge as much as grades
- c. Can grasp basic concepts through primarily independent study
- d. Is able to synthesize understanding of content with new and varied approaches

During the course level recommendation process, each department considers minimum grade requirements and each student's past and current performance in making its recommendations. Since each content area may require some unique competencies, each department has established more specific guidelines that it follows to determine who should be recommended each level.

This placement process is used for sophomores, juniors, and seniors. For incoming freshmen, placement is based upon minimum scores on the eighth grade placement test, the results of achievement test scores, grades, and teacher recommendations. Greater weight is given to minimum scores on the eighth grade placement test.






## ACADEMIC PREREQUISITES FOR HONORS, HIGH HONORS, AND ADVANCED PLACEMENT CLASSES

NOTE: Please check each course and level to determine what additional course requirements exist in addition to the following academic pre-requisites.

1. To advance to the next academic level in a given subject for the following academic year, the student must have **BOTH** of the following:
  - A 93 average or better in the current level of academic placement, and
  - The recommendation of the current classroom teacher in that department. This would include moving from the college preparatory level to the honors level and from the honors level to the high honors level.
2. The Advanced Placement curriculum requires that students considered for these college-level classes be mature, self-disciplined, and goal oriented. While different subject areas will focus on different requirements established by the College Board, placement in an Advanced Placement course hinges not only on the maturity and attitude of the student but prior performance in the prerequisite course. To advance to the Advanced Placement level, students must fulfill the following requirements:
  - A 93 average or better at the high honors level, or a 96 average or better at the honors level,
  - A teacher recommendation form completed by a teacher in that department who has taught the student, and
  - A completed Advanced Placement application turned in to the teacher of the AP course by March 3. These applications may be found on the course scheduling tile of the resource board.
3. To maintain placement for the current academic year at a student's present level in any department except English and World Languages and Cultures, the student must maintain a minimum average of 80 or above each semester and have the teacher's recommendation. To maintain placement for the current academic year at a student's present level in English or World Language, the student must maintain a minimum average of 85 or above each semester and have the teacher's recommendation.
4. For students to change academic levels **within the current school year**, students must have the approval from 1) the parent(s) and 2) the current classroom teacher before the schedule change can be considered. These two approvals must be emailed or messaged to the Director of Academic Counseling before a schedule change can take place. Because of differing levels of academic effort, abilities, and achievement, the Academic Dean and Department Chairs will have some discretion in moving students among the academic levels.

When creating the Master Schedule, the school does its best to create opportunities for students to move between College Preparatory, Honors, High Honors, and AP classes. However, sometimes classes fill quickly and additional enrollment in these classes is no longer possible. Please choose your courses and levels wisely.



## GENERAL COURSE INFORMATION

Advanced Placement, High Honors, or Honors level sections are available for certain courses listed. If so, there may be a separate course description or the letter(s) CP (College Preparatory), H (Honors), HH (High Honors) or AP (Advanced Placement) in parentheses after the course title.

Prerequisites may be waived for transfer students.

## ENGLISH DEPARTMENT

<b>4 Credits Required (one must be taken each year regardless of accrued credits):</b>
English I (9)
American Literature (10)
British Literature (11)
English IV or AP English Literature (12)

### ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION (AP)

The AP English Language and Composition course must be taken in conjunction with High Honors British Literature if selected, not in lieu of it. This course is designed to help students become skilled readers of prose written in a variety of rhetorical contexts and to become skilled writers who compose for a variety of purposes. Students' reading and writing should make them aware of the interactions between a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing.

The purpose of the AP English Language and Composition course is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. The AP English Language and Composition course should help students move beyond such programmatic responses as the five-paragraph essay that provides an introduction with a thesis and three reasons, three body paragraphs explicating each reason, and a conclusion that reaffirms the thesis. As well as engaging in varied writing tasks, students become acquainted with a wide variety of prose styles from many disciplines and historical periods and gain an understanding of the connections between interpretive skill in reading and responsive writing. In addition, the informed use of research materials and the ability to synthesize varied sources (to evaluate, use, and cite sources) are integral parts of this course. All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grade 11 Elective; 2 semesters, 1 credit (May NOT be taken instead of High Honors British Literature, but can be taken in addition to it)*

*Pre-requisites: Unweighted grade of at least 85 in High Honors English I and High Honors American Literature; completion of application process*

### ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION (AP)

This college-level course may be taken in place of High Honors English IV if the prerequisites below for AP Literature and Composition are met. The AP English Literature and Composition course and incorporates the guidelines established by the College Board to prepare students not only for the Advanced Placement Examination in Literature and Composition given in May of each year, but also for critical thinking and composition skills needed for college-level work. The class focuses on the development of well-structured essays, the art of literary analysis with sophisticated and mature writing, and oral presentation of researched materials. Students will submit a library (research) paper for the summer assignment, read approximately 150 pages a week, write a weekly timed essay following AP rubrics, and present researched information.

Students must be mature, self-disciplined, and goal oriented. Students must demonstrate close reading, analytical thinking, and critical writing skills.

All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grade 12*                      *Required; 2 semesters, 1 credit*

*Prerequisites:*              *Unweighted grade of at least 93 in High Honors British Literature or unweighted grade of at least 96 in Honors British Literature; completion of application process*

### **ENGLISH I**

This course emphasizes literature and composition, focusing on selected works of literature to include a Shakespeare play and general outside reading assignments. Instruction will focus on enhancement of critical thinking skills. Students will study the main genres, practice writing with a thesis, study the fundamentals of grammar, learn research skills, submit a research project, practice creative and analytical writing, improve vocabulary skills, and practice public speaking skills.

*Grade 9*                      *Required; 2 semesters, 1 credit*

*Prerequisites:*              *Completion of eighth grade English*

### **ENGLISH I (H)**

In addition to the requirements for College Preparatory classes, Honors students will meet the following requirements: demonstrate an advanced degree of critical thinking in their analysis, writing, and speaking; write thesis papers, literary analyses, and a research paper; and make oral presentations and develop independent projects.

*Grade 9*                      *Required; 2 semesters, 1 credit*

*Prerequisites:*              *Completion of eighth grade English; required score on the FRHS Placement Test; a B average in current level of English*

### **ENGLISH I (HH)**

The purpose of this course is to promote academic excellence in English language arts through enriched experience in literature, writing, speaking, and listening. Composition instruction will focus upon using the writing process in creative, logical, and critical modes and will include frequent practice in all aspects of the writing process. Major composition requirements include a research paper, a comparison/contrast paper, and a literary character analysis. In addition, students will analyze independent reading assignments. Grammatical instruction includes college-level terminology and application.

*Grade 9*                      *Required; 2 semesters, 1 credit*

*Prerequisites:*              *Completion of eighth grade English; required score on the FRHS Placement Test; an A average in current level of English*

### **AMERICAN LITERATURE**

This course focuses on the styles, techniques, and themes of American authors while preparing students for complex writing, analysis, and critical thinking. The literature selections include a diverse mixture of different genres, classic and contemporary works, and informational texts, all of which have had a significant historical influence on nationalism. The lessons incorporate multiple strategies to engage and motivate readers, through introductory sections, post-selection response questions and scaffolded analytical questions, as well as extension activities. To improve reading fluency and comprehension, students will also be expected to learn and apply new vocabulary words each week, with the secondary goal of preparing students for standardized tests such as the PSAT, SAT and ACT. All students will also submit a research project.

*Grade 10*                      *Required; 2 semesters, 1 credit*  
*Prerequisites:*              *English I*

### **AMERICAN LITERATURE (H)**

In addition to the requirements for College Preparatory classes, Honors students will demonstrate advanced critical thinking skills in their analysis, writing, and speaking. Students must submit a literature-based research paper, submit analytical, expository, or creative papers each quarter, complete novels assigned for independent reading, and submit related projects for each novel. Students are also expected to master additional vocabulary and literary terms.

*Grade 10*                      *Required; 2 semesters, 1 credit*  
*Prerequisites:*              *Unweighted grade of at least 85 in Honors English I, or unweighted grade of at least 93 in College Preparatory English I; teacher recommendation*

### **AMERICAN LITERATURE (HH)**

In addition to the requirements for College Preparatory and Advanced classes, High Honors students will demonstrate a more advanced degree of critical thinking skills in their analysis, writing, and speaking. Their High Honors literature projects will require more synthesis and application as opposed to the mere reporting of facts. Students will continue to develop their critical reading skills through their analysis of each author's themes, styles, and contributions to American literature, and through outside reading. Students will build upon their composition skills by writing a variety of essays. Further development of communication skills will be achieved through vocabulary study, the writing of a literary-based research paper, and a general grammar review, as well as special projects to foster a creative response to American literature.

*Grade 10*                      *Required; 2 semesters, 1 credit*  
*Prerequisites:*              *Unweighted grade of at least 85 in High Honors English I, or unweighted grade of at least 93 in Honors English I; teacher recommendation*

### **BRITISH LITERATURE**

This course provides an overview of major British authors from the Anglo-Saxon period to the modern day and the genres that they represent. Students are taught to recognize and analyze Biblical and Classical allusions. Development of writing and critical thinking skills continues at this level. Students are required to read additional novels and complete related assignments on each. Students will be required to write two or three compositions each quarter, including thesis papers, abstracts, and other various analytical and creative writing assignments each semester. Students will also write a research paper. A general review of grammar will prepare students for the required writing. Preparation for the PSAT, SAT and ACT continues.

*Grade 11*                      *Required; 2 semesters, 1 credit*  
*Prerequisites:*              *American Literature*

### **BRITISH LITERATURE (H)**

Students in the Honors British Literature class will study the literature of the English people from the Anglo-Saxons to the modern day. In doing so, they will examine the evolution of the English language itself from its Germanic and Celtic roots through the infusion of the Normans and subsequent changes. Emphasis will be given to the Middle English of the Chaucerian period, the contributions of the Shakespearean era, and the influence the various religious movements. Students will be urged to think critically about common themes, the human experience as revealed in each period, and multiple literary genres. Prior to the writing of a research paper during the second semester, a focused review of grammar and the structure of paragraphs will prepare the students to write both well and critically. The nature of the research will be designed to anticipate and emulate college level work. In the area of outside reading, at least one major work will be read in the summer preceding the school year and at least two major works will be assigned during the year, including one Shakespeare play other than the one in the textbook will be required.

*Grade 11*                      *Required; 2 semesters, 1 credit*  
*Prerequisites:*              *Unweighted grade of at least 85 in Honors American Literature, or unweighted grade of at least 93 in College Preparatory American Literature; teacher recommendation*

### **BRITISH LITERATURE (HH)**

In addition to requirements for the College Preparatory and Honors classes, there will be further expectations of High Honors students. Students will demonstrate a more advanced level of critical thinking. Their High Honors literature projects will require more synthesis and application as opposed to the mere reporting of facts. High Honors students will continue to develop their critical reading skills through their analyses of each author's themes, style, and contributions to British Literature, and through outside reading. Emphasis is placed on examining literary genres and their characteristics, especially with respect to Medieval and Elizabethan literature. Students will read *Sir Gawain and the Green Knight* in its entirety, in addition to at least three different Shakespeare Plays, including a tragedy, a comedy and a history play. Students are also taught to recognize and analyze Biblical and Classical allusions. Analytical papers and expository essays are stressed. Further development of communication skills will be achieved through vocabulary study, the writing of a literary-based research paper, and a focused grammar review, as well as special projects to foster creative responses to British Literature.

*Grade 11*                      *Required; 2 semesters, 1 credit*  
*Prerequisites:*              *Unweighted grade of at least 85 in High Honors American Literature, or unweighted grade of at least 93 in Honors American Literature; teacher recommendation*

### **ENGLISH IV**

The goal of this course is to make students more comfortable and confident in their writing while improving their skills at the same time. Students will be assigned a number of different types of papers including college application essays, five-paragraph thesis papers, research-based papers, movie reviews, profiles, narratives, argumentative essays, descriptions, and analytical essays. Throughout the course, students will study how to write effective transitions and how to select appropriate language for the audiences reading their papers. Grammar will be thoroughly reviewed each quarter. Students are expected to use *Harbrace* rules correctly in their papers. The course should enable students to develop more writing confidence and versatility so that they will be comfortable with writing and prepared for future writing endeavors. Most importantly, it is hoped that students will learn to enjoy the process of writing instead of dreading it. Several public speaking and video projects may be assigned. In the Fourth Quarter, each student will create and design a Senior Scrapbook. This book contains ten or more typed topics, and each topic must be at least two double-spaced pages. The Senior Scrapbook also contains photos and mementos. A detailed set of instructions concerning the Senior Scrapbook will be given no later than the beginning of Fourth Quarter.

*Grade 12*                      *Required; 2 semesters, 1 credit*  
*Prerequisites:*              *British Literature*

### **ENGLISH IV (H)**

In addition to the requirements for the college preparatory classes, it is expected that Honors students will be able to communicate their ideas and advanced critical thinking skills through organized writing assignments with no glaring grammatical errors. They will be expected to master the first seven chapters in the *Harbrace Handbook* and will be able to avoid making mechanical errors.

*Grade 12*                      *Required; 2 semesters, 1 credit*  
*Prerequisites:*              *Unweighted grade of at least 85 in Honors British Literature or unweighted grade of at least 93 in College Preparatory British Literature; teacher recommendation*

### **ENGLISH IV (HH)**

The goal of this course is to improve each student's writing skills by making each student more comfortable with and confident about writing. To succeed in English IV High Honors, students must demonstrate superior writing skills.

Students will be assigned a number of different types of papers including college application essays, five-paragraph thesis papers, research-based papers, movie reviews, profiles, narratives, argumentative essays, descriptions, and analytical essays. Throughout the course, students will study how to write effective transitions, and how to select appropriate language for the audiences reading their papers. Grammar will be thoroughly reviewed each quarter. Students are expected to use *Harbrace* rules correctly in their papers. The course should enable students to develop more writing confidence and versatility so that they will be comfortable with writing and prepared for future writing endeavors. Most importantly, it is hoped that students will learn to enjoy the process of writing instead of dreading it. Several public speaking and video projects will be assigned. In May, each student will create and design a Senior Scrapbook. This book contains ten or more typed topics, and each topic must be at least two double-spaced pages. The Senior Scrapbook also contains photos and mementos. A detailed set of instructions concerning the Senior Scrapbook will be given no later than the beginning of Fourth Quarter.

*Grade 12*                      *Required; 2 semesters, 1 credit*  
*Prerequisites:*              *Unweighted grade of at least 85 in High Honors British Literature, or unweighted grade of at least 93 in Honors British Literature; teacher recommendation*

## **NON-CORE ENGLISH ELECTIVES**

### **JOURNALISM-NEWSPAPER**

This course introduces the student to the basics of the production of a newspaper and other forms of print media, and it deals with theory as well as practice. To remain in this class, students must fulfill all requirements and meet all deadlines.

*Grades 10-12*                *Elective; 2 semesters, 1 credit*  
*Prerequisites:*              *85 average in English; department recommendation*

### **JOURNALISM-YEARBOOK**

This course introduces the student to the basics of the production of a yearbook and other forms of print media, and it deals with theory as well as practice. It also enhances students' skills in desktop publishing with Josten's Yearbook Avenue platform in an atmosphere of team building and self-discipline.

*Grades 10-12*                *Elective; 2 semesters, 1 credit*  
*Prerequisites:*              *85 average in English; department recommendation*

## **ONE SEMESTER COURSES**

### **MILITARY LITERATURE OF THE WORLD WARS**

This class is a cross-curricular, core-curriculum class, focusing on Military Literature, Art, and Media of World Wars I and II. Students will study World Wars I and II poets, artists, cartoonists, journalists, correspondents, political figures, heroes, veterans, historians, film-makers, and photographers, as well as poems, letters, biographies, broadcasts, documentaries, and speeches. Class instruction will incorporate multimedia presentation, including video, audio, and live presentation. This course is for students with a real interest in this period of history as well as for those who are interested in learning a comprehensive overview of the World Wars.

*Grades 11-12*                *Elective; 1 semester, ½ credit (English or Social Sciences)*  
*Prerequisites:*              *American Literature*

### **MULTICULTURAL VOICES IN LITERATURE**

This course will acquaint students with breadth and vitality of multicultural writing, featuring literature from around the world. The course broadens and deepens exposure to and understanding of various cultures, focusing on how literature relates to students' lives and responding to creative expression with knowledge and sensitivity. In doing so, they will

build an understanding of the elements of literature that transcend cultures. Class discussions, written assessments, and written reflections will allow students to become better global citizens and will increase their capacity for critical thinking, writing, and literary analysis.

*Grades 10–12*                      *Elective; 1 semester, ½ credit*  
*Prerequisites:*                      *English I*

### **SHAKESPEARE**

Students will study Shakespearean plays of all genres (Tragedy, Comedy, History, Romance) throughout the semester, as well as the Sonnets. Class instruction will combine the reading, study and analysis of Shakespearean themes, plots, and characters via texts and multimedia presentations. The study and interpretations (both traditional and modern) of Shakespearean plays include *Much Ado About Nothing*, *Hamlet*, *Richard III*, *Love's Labors Lost*, *Othello*, and *Twelfth Night*. This class will also highlight the study of the Elizabethan idioms and colloquialisms and "tuning the ear" to understanding the Shakespearean language and iambic pentameter. Students will read and analyze Elizabethan texts, as well as learn and perform Shakespearean Sonnets and Scenes.

*Grades 11-12*                      *Elective; 1 semester, ½ credit*  
*Prerequisites:*                      *American Literature*

### **SPEECH AND DEBATE TOPICS**

At the high school level, speech is a formal ½ credit course designed to help all students be prepared for life situations which require any type of public speaking. The well-trained disciple must be "ready to give an answer for the hope that lies within him" (1 Peter 3:15), and to do so in a convincing manner. This course will prepare students for any time when they are called upon to speak publicly.

*Grades 9-12*                      *Elective; 1 semester, ½ credit (English or Visual and Performing Arts)*  
*Prerequisites:*                      *None*

### **WOMEN'S VOICES IN LITERATURE**

This course will introduce the student to great literature by women writers. The readings will span hundreds of years of literary creations by renowned females; it includes genre of fiction, nonfiction, and poetry. The course will focus on the power of literature as well as how literature relates to students' lives. Students will develop an appreciation of women's contributions to literature, evaluate the relationships between women writers and their work, analyze the major themes of the literature explored, and become aware of how race, class, and gender influence literature.

*Grades 10-12*                      *Elective; 1 semester, ½ credit*  
*Prerequisites:*                      *English I*

## MATH DEPARTMENT

<b>4 Credits Required (one must be taken each year regardless of accrued credits):</b>
Algebra I (9)
Algebra II (10)
Geometry (11)
4 <sup>th</sup> Math (12)

With the goal of providing a foundation in mathematical fundamentals and critical thinking which will enable students to pursue successfully any endeavor they may attempt, the Math Department determines the level into which each student will be placed based on grades, teacher evaluations, and standardized test. Every Father Ryan student should graduate with four years of math credit. A student can move to a higher or lower level only with the approval of the Math Department. Below are the math progressions in each level of learning.

	<b>College Prep</b>	<b>College Prep</b>	<b>Honors</b>	<b>Honors</b>
<b>Freshman</b>	Algebra I + Lab	Algebra I	Algebra I Honors	Algebra I Honors
<b>Sophomore</b>	Algebra II	Algebra II	Algebra II Honors	Algebra II Honors AND Geometry Honors*
<b>Junior</b>	Geometry	Geometry	Geometry Honors	Pre-Calculus Honors
<b>Senior</b>	Financial Algebra College Algebra and Trig Statistics	Financial Algebra College Algebra and Trig Statistics	College Algebra and Trig Honors Pre-calculus Honors AP Statistics AP Macro/Micro	Calculus High Honors AP Statistics AP Macro/Micro

	<b>High Honors</b>	<b>High Honors</b>	<b>High Honors</b>
<b>Freshman</b>	Algebra I High Honors	Algebra I High Honors	Algebra II High Honors
<b>Sophomore</b>	Algebra II High Honors	Algebra II High Honors AND Geometry High Honors**	Geometry High Honors
<b>Junior</b>	Geometry High Honors	Pre-Calculus High Honors	Pre-Calculus High Honors
<b>Senior</b>	Pre-Calculus High Honors Statistics AP Statistics AP Macro/Micro	AP Calculus AB AP Calculus BC AP Statistics AP Macro/Micro Calculus High Honors	AP Calculus AB AP Calculus BC AP Statistics AP Macro/Micro Calculus High Honors

\*The option to take Algebra II Honors and Geometry Honors concurrently is only available to those students who earn a 90 in both semesters of Algebra I Honors course AND have the recommendation of that teacher.

\*\*The option to take Algebra II High Honors and Geometry High Honors concurrently is only available to those students who earn an 88 in both semesters of Algebra I High Honors course AND have the recommendation of that teacher.



### **ADVANCED PLACEMENT CALCULUS AB (AP)**

This course requires students' competencies in Algebra, Trigonometry, Geometry, and Analytic Geometry. It is a continuation of the work begun in Pre-Calculus High Honors. This course will include elementary functions and their graphs, limits, derivatives of algebraic and transcendental functions and their applications, integration techniques and applications of definite integration. The graphing calculator will be used.

All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grade 12*                      *Elective; 2 semesters, 1 credit*

*Prerequisites:*              *Pre-Calculus (HH); Math Department recommendation; completion of the application process*

### **ADVANCED PLACEMENT CALCULUS BC (AP)**

Calculus BC is a full-year course in the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus additional topics. The content of Calculus BC is designed to qualify the student for placement and credit in a course that is one course beyond that granted for Calculus AB. Students will learn to work with functions represented in a variety of ways; to understand the meaning of the derivative in terms of rate of change and local linear approximation; to understand the meaning of the definite integral both as a limit of Riemann sums and as the net accumulation of change; to understand the relationship between the derivative and the definite integral as expressed in both parts of the Fundamental Theorem of Calculus; to communicate mathematics both orally and in well-written sentences; to use technology to help solve problems, experiment, interpret results, and verify conclusions; and to determine the reasonableness of solutions. All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grade 12*                      *Elective; 2 semesters, 1 credit*

*Prerequisites:*              *Pre-Calculus (HH); 93 or above in Pre-Calculus (HH); Math Department Recommendation; completion of the application process*

### **ADVANCED PLACEMENT STATISTICS (AP)**

The purpose of the AP Statistics course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Although AP Statistics does require competencies in mathematics, it is just as much a language course. Students must be able to communicate well through writing.

Students are exposed to four broad conceptual themes:

1. **Exploring Data:** Describing patterns and departures from patterns
2. **Sampling and Experimentation:** Planning and conducting a study
3. **Anticipating Patterns:** Exploring random phenomena using probability and simulation
4. **Statistical Inference:** Estimating population parameters and testing hypotheses

Students who successfully complete the course and AP exam may receive credit, advanced placement or both, for a one-semester introductory college statistics course.

A TI-84+, TI-84 Plus CE or **TI-84+ Silver Edition (recommended by instructor)** calculator is required. All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grades 10-12*                      *Elective; 2 semesters, 1 credit*

*Prerequisites:*              *Algebra II (HH); Algebra II (H); must earn a 90 or above in Algebra II (H) to qualify and/or Math Department recommendation; completion of the application process*

### **ALGEBRA I with LAB**

This course will review algebraic expressions, integers, and mathematical properties along with variables and linear equations. Students will also explore polynomials, first degree equations and inequalities, linear equations, quadratic equations, graphing, factoring, and rational and irrational expressions. The goal of this course is to master these

concepts while also developing critical thinking skills and problem-solving techniques. This course meets on a daily basis.

*Grade 9*                      *Required; 2 semesters, 2 credits (1 math credit, 1 elective credit)*  
*Prerequisites:*              *Teacher/Guidance recommendation*

### **ALGEBRA I (CP, H, HH)**

This course will review algebraic expressions, integers, and mathematical properties along with variables and linear equations. Students will also explore polynomials, first degree equations and inequalities, linear equations, quadratic equations, graphing, factoring, and rational and irrational expressions. The goal of this course is to master these concepts while also developing critical thinking skills and problem-solving techniques.

*Grade 9*                      *Required; 2 semesters, 1 credit*  
*Prerequisites:*              *Placement test scores and recommendation of counselor*

### **ALGEBRA II (CP, H, HH)**

Algebra II begins by reinforcing and expanding on the topics covered in Algebra I. The subjects then covered include linear, piece-wise functions and relations, rational expressions, radicals, complex numbers, quadratic equations, conics, exponential and logarithmic functions, and sequence and series. Students should be able to use their graphing calculator to solve a variety of problems.

*Grades 9-10*                *Required; 2 semesters, 1 credit*  
*Prerequisites:*              *Algebra I; Math Department recommendation*

### **CALCULUS (HH)**

This course requires student competencies in Algebra, Trigonometry, Geometry and Analytic Geometry. It is a continuation of the work begun in Pre-Calculus Honors. This course will include elementary functions and their graphs, limits, derivatives of algebraic and transcendental functions and their applications, integration techniques and applications of definite integration. The graphing calculator will be used.

*Grade 12*                    *Elective; 2 semesters, 1 credit*  
*Prerequisites:*              *Pre-Calculus (H); Math Department recommendation*

### **COLLEGE ALGEBRA AND TRIGONOMETRY (CP, H)**

This course is designed for the student who is successful in Algebra II or II H. One semester will be an in depth study and application of trigonometry. Topics covered will include trigonometric identities, inverse functions, solutions of equations, graphing, and solving triangles. Students will also study relations and functions including algebraic functions with 1st through 4th degree, rational, exponential, and logarithmic functions. Other topics may include complex numbers, inequalities, and system of equations.

*Grades 11-12*              *Elective; 2 semesters, 1 credit*  
*Prerequisites:*              *Algebra II and Unified Geometry; ACT Math score 19 or above and/or Math Department recommendation*

### **FINANCIAL ALGEBRA (CP)**

Financial Algebra is an algebra-based, applications-oriented, technology dependent course that requires Algebra 1, Algebra 2, and Geometry as a prerequisite. The course addresses college preparatory mathematics topics from Advanced Algebra, Statistics, Probability, Pre-calculus, and Calculus under seven financial umbrellas: Banking, Investing and Modeling a Business, Employment and Income Taxes, Automobile Ownership, Independent Living, and Retirement Planning and Household Budgeting. Students use a variety of problem-solving skills and strategies in real-world contexts.

The mathematics topics contained in this course are introduced, developed, and applied in an as-needed format in the financial settings covered.

*Grade 12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*              *ACT Math Score 18 or below or Math Department recommendation*

### **PRE-CALCULUS (H)**

This course provides review of earlier concepts, moving on to trigonometric functions and concepts, which include vectors, polar equations and graphs, and complex numbers. Matrices and determinants, conics, solving higher degree equations and inequalities, exponential and logarithmic functions, and an introduction to limits will also be addressed. The graphing calculator will be used. This course does not satisfy the requirements for AP Calculus.

*Grades 11-12*                *Elective; 2 semesters, 1 credit*  
*Prerequisites:*              *90 or above in Geometry (H); Math Department recommendation is required from Algebra II (H) if taken concurrently with Geometry (H)*

### **PRE-CALCULUS (HH)**

This course prepares students for AP Calculus, and as such, is viewed as the first part of AP Calculus. The usual guidelines for AP Placement (in regard to AP Calculus next year) do not apply. This course provides review of earlier concepts, moving on to trigonometric functions and concepts, which include vectors, polar equations and graphs, and complex numbers. Matrices and determinants, conics, solving higher degree equations and inequalities, exponential and logarithmic functions, and an introduction to limits and derivatives will also be addressed. The graphing calculator will be used.

*Grades 11-12*                *Elective; 2 semesters, 1 credit*  
*Prerequisites:*              *Geometry (HH); Math Department recommendation is required from Algebra II (HH) if taken concurrently with Geometry (HH)*

### **STATISTICS (CP)**

This course is designed to provide a basic understanding of statistics for use in future college courses and in daily life. Many college disciplines require statistics, i.e. psychology, business, science, and math. Students will learn techniques of sample surveys; displaying and understanding data; probability; understanding normal curves and other distributions, and estimations. A TI-84+, TI-84+ Silver Edition, or TI-84 Plus CE calculator is required.

*Grades 11-12*                *Elective; 2 semesters, 1 credit*  
*Prerequisites:*              *Completion of Algebra II (CP or H); Math Department recommendation*

### **UNIFIED GEOMETRY (CP, H, HH)**

This course includes the basic concepts of point, line, plane, and space. Students learn to use the skills of deductive and inductive reasoning by writing formal proofs and solving problems dealing with relationships in planes and space. Topics covered include: parallel and perpendicular lines; special pairs of angles; polygons; congruence in triangles; special quadrilaterals; inequalities in triangles; ratio, proportion and similarity; right triangle studies including trigonometry; circles; areas and volume of solids.

*Grades 10-11*                *Required; 2 semesters, 1 credit*  
*Prerequisites:*              *Algebra II; Math Department Recommendation*

## ONE-SEMESTER COURSES

### **ADVANCED PLACEMENT MACROECONOMICS (AP)**

An AP course in Macroeconomics is designed to give you a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price determination, and also develops your familiarity with economic performance measures, economic growth, and international economics. All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grades 11-12*                      *Elective; 1 semester, ½ credit (Social Sciences or Math)*

*Prerequisites:*                *Algebra II (H) or (HH); Social Studies (H) or (HH); teacher recommendations; completion of the application process*

### **ADVANCED PLACEMENT MICROECONOMICS (AP)**

The purpose of an AP course in Microeconomics is to provide a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grades 11-12*                      *Elective; 1 semester, ½ credit (Social Sciences or Math)*

*Prerequisites:*                *Algebra II (H) or (HH); Social Studies (H) or (HH); teacher recommendations; completion of the application process*

## SCIENCE AND TECHNOLOGY DEPARTMENT

<b>3 Credits Required:</b>
Biology (9)
Chemistry (10)
1 Additional

In making your course selections in science, please be advised that most colleges and universities require at least one life science course **and** one physical science course. Father Ryan requires its graduates to earn three science credits, and recommends earning four.

### SCIENCE COURSES

#### **ADVANCED PLACEMENT BIOLOGY (AP)**

This course is designed to prepare students for the college level Advanced Placement Biology Examination and is based on the curriculum established by the College Board. Students will be provided the opportunity to experience laboratory skills comparable to introductory college level Biology courses, including inquiry-based labs and computerized data acquisition and analysis. This class requires learning at an accelerated pace due to the amount and complexity of the required material. Material will be covered through daily class activities, lectures, discussions, laboratories, and independent projects. A student's success will depend on the time and effort that is invested into this course.

AP Biology is structured around four big ideas.

Big Idea 1: The process of evolution drives the diversity and unity of life.

Big Idea 2: Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis.

Big Idea 3: Living systems store, retrieve, transmit and respond to information essential to life processes.

Big Idea 4: Biological systems interact, and these systems and their interactions possess complex properties.

Laboratory Component:

Students will be given the opportunity to engage in student-directed laboratory investigations throughout the course for a minimum of 25% of instructional time. Students will conduct a minimum of eight inquiry-based investigations (two per big idea throughout the course). Additional labs and activities will be conducted to deepen students' conceptual understanding and to reinforce the application of science practices within a hands-on, discovery-based environment. Students will be given the opportunity to develop, record and communicate the results of their laboratory investigations.

This course is designed for those students wishing to pursue college level study in the biological sciences while still in high school. Topics include molecules and cells, energy transformations, genetics and evolution, taxonomy, ecology, plants, and animals. This is a laboratory course.

All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grades 11-12*

*Elective; 2 semesters, 1 credit*

*Prerequisites:*

*Biology (HH) or (H) and Chemistry (HH) or (H); completion of the application process*

#### **ADVANCED PLACEMENT CHEMISTRY (AP)**

This course is intended for serious students who are building on the concepts from chemistry. Topics include atomic theory, kinetic molecular theory, quantum mechanical model of the atom, chemical bonding and structure, intermolecular forces, chemical reactions, thermodynamics, kinetics, dynamic equilibrium, electrochemistry, and introductions to nuclear and organic chemistry. This is a laboratory course.

All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grades 11-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                      *Chemistry (H) or (HH); completion of the application process*

### **ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE (AP)**

This course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems, both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternate solutions for resolving or preventing them. The course is designed to be the equivalent of a one semester, introductory college course in environmental science. The course objectives are to give the students a greater understanding of the six major unifying themes that provide a foundation for the AP Environmental Science course.

All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grades 11-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                      *Biology (HH) and Chemistry (HH) (Honors students are welcome to apply with instructor approval); completion of the application process*

### **ADVANCED PLACEMENT PHYSICS, ALGEBRA-BASED I (AP)**

AP Physics I is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. The course is based on six Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world. This course is a lab course, with an emphasis on inquiry-based investigations.

All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grades 11-12*                      *Elective; 2 semesters, 1 credit*  
*Pre-requisites:*                      *Algebra II (H) average of 90 or Algebra II (HH) average of 86; Chemistry (H) average of 90 or Chemistry (HH) average of 86; completion of the application process*

### **ADVANCED PLACEMENT PHYSICS, ALGEBRA-BASED 2 (AP)**

AP Physics 2 is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course requires that 25% of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. Students should have had AP Physics 1 or a comparable introductory course. Students should have taken or be concurrently taking pre-calculus.

All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grade 12*                              *Elective; 2 semesters, 1 credit*  
*Pre-requisites:*                      *AP Physics, Algebra-Based 1 (AP) average of 86 or above or a score of 3 or higher on the AP Physics Algebra-Based 1 AP exam; completion of the application process*

### **ANATOMY AND PHYSIOLOGY (CP, H, HH)**

Human Anatomy and Physiology is a laboratory-based course that investigates the structure and function of the human body. Topics generally covered during the first quarter are anatomical terminology, biochemistry, cells and tissues. Topics covered the remainder of the year include the ten major body systems, the interrelatedness between systems and the importance of maintaining a homeostatic balance. The medical implications of homeostatic imbalances

(diseases), medical treatments and procedures are included in the study of each body system. Systems studied include the integumentary system, skeletal system, muscular system, cardiovascular system, nervous system, endocrine system, respiratory system, digestive system, excretory system, and the reproductive system. Immunology is a major topic during the study of the blood. Student learning is enhanced through hands-on-activities, experimentation, research, group discussions, and special projects.

*Grades 11-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                      *Biology and Chemistry*

### **ASTRONOMY (CP)**

This course introduces students to the scientific composition and structure of the universe. This course will provide students with a study of the conditions, properties, and motions of bodies in space. The content includes, but is not limited to, historical astronomy, astronomical instruments, the celestial sphere, the solar system, the earth as a system in space, the earth/moon system, the sun as a star, as well as the stars, galaxies, and universe as a whole.

*Grade 12*                              *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                      *Biology, Chemistry, and Algebra II*

### **BIOLOGY I (CP, H, HH)**

This course seeks to understand the living world; therefore, the focus is on the various levels of biological organization, structure, function and diversity among organisms. This course provides an introduction to the aspects of the living world, including cell biology, genetics, molecular biology, inheritance and natural selection, as well as a survey of the diversity of organisms. Biological principles and concepts are presented and developed on the basis of experimental evidence with opportunities to reinforce, extend, and apply the concepts. Students learn through hands-on labs, team-based activities, lectures, self-study, and out-of-class assignments. This is a laboratory course.

*Grades 9-10*                         *Required; 2 semesters, 1 credit*  
*Prerequisites:*                         *None*

### **BIOTECHNOLOGY (HH)**

This laboratory course is intended for students interested in majoring in science in college. Students will gain an understanding of basic biotechnology laboratory techniques through the use of minimal lecture, computer modeling, and hands-on experience. Students will be required to read professional scientific papers and keep a laboratory notebook. This course gives students a solid foundation in the laboratory which will prepare them for their science courses in college. Students taking this course must be self-driven and capable of high levels of critical thinking. Students wishing to take this course must fill out an application form.

*Grades 11-12*                         *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                         *Biology H or HH; Chemistry H or HH; teacher recommendations; completion of application process*

### **CHEMISTRY (CP, H, HH)**

Chemistry is the study of matter and its properties. In the course students are taught:

- 1) How science works – scientific method; making measurements; designing experiments; analyzing error; lab safety
- 2) Understanding the atom – atomic theory and its history; nuclear chemistry, electronic structure (Bohr model, waves, quantum mechanical model of the atom); periodic table and trends; and using these ideas to predict the properties of atoms and ions
- 3) Chemical bonding – describing how ionic and molecular compounds form; determining the structure and shape of molecules and ions; how bonding, structure and shape determine the properties of compounds; metallic bonding and how it determines the properties of metals; acids; learning how to name and write formulas for compounds
- 4) Chemical reactions – describing a chemical reaction; predicting the products of chemical reactions

5) Concept of the mole – counting by weighing; mass-mole-particle conversions; determination of empirical/molecular formula and calculations based on these formulas; stoichiometry

6) States of matter – gas laws; solutions

7) Acids and bases – reactions; equilibrium; pH; properties of acids, bases, and salts

8) Thermochemistry – heat; heat stoichiometry; calorimetry; introduction to thermodynamics

Integrated throughout this course is lab work where students will investigate properties; make observations; and use experiments to solve problems; plan and carry out lab procedures; learn essential labs skills such as titrations, preparing solutions, analyzing lab error

*Grades 10-11*                      *Required; 2 semesters, 1 credit*

*Prerequisites:*                      *Algebra I and Biology; math and science teacher recommendations; Chemistry level cannot be higher than student's enrolled Algebra II level*

### **ENVIRONMENTAL SCIENCE (CP, H)**

The topics covered in this course include Earth systems and resources, the living world, population, land and water use, energy resources and consumption, pollution, and global change. These topics are integrated throughout the course using the six major themes: science is a process, energy conversions underlie all ecological processes, the Earth itself is one interconnected system, humans alter natural systems, environmental problems have a cultural and social context, and human survival depends on developing practices that will achieve sustainable systems. This course includes a strong laboratory and field investigation component.

*Grades 11-12*                      *Elective; 2 semesters, 1 credit*

*Prerequisites:*                      *Biology and Chemistry*

### **INTRODUCTION TO ENGINEERING**

The major focus of the Introduction of Engineering course is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Introduction of Engineering gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning. Used in combination with a teaming approach, APPB-learning challenges students to continually hone their interpersonal skills, creative abilities and understanding of the design process. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education. Students will employ engineering and scientific concepts in the solution of engineering design problems. In addition, students use 3-D solid modeling design (ex. Google Sketchup) software to help them design solutions to solve proposed problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges that increase in difficulty throughout the course. Students will also learn how to document their work, and communicate their solutions to their peers and members of the professional community. Students with weaker math and science skills should wait until senior year to take this class.

*Grades 11-12*                      *Elective; 1 semester, ½ credit*

*Prerequisites:*                      *Physics (completed or concurrent); 85 or above in math and science*

### **PRINCIPLES OF ENGINEERING**

Principles of Engineering is designed to give students a more detailed understanding of the physics and mathematical concepts used in the field of engineering. Students will explore how the mechanical advantages gained by using simple machines such as wheels, gears, cams and linkages are used to produce powerful and sophisticated industrial machines and equipment. Students will learn how engineers and technicians use math, science and technology to solve engineering problems that benefit people. The math applications phase of the course will focus on using basic trigonometry and algebra to explore physics concepts such as force vectors, free body diagrams, moments of inertia, reaction forces, truss designs as well as actual dynamic forces such as compression, tension, stress, strain, velocity, deflection and deformation. Students with weaker math and science skills should wait until senior year to take this class.



*Grades 11-12*                      *Elective; 1 semester, ½ credit*  
*Prerequisites:*                      *Introduction to Engineering; Instructor Approval; 85 or above in math and science*

### **PHYSICS (CP, H)**

This course provides a systematic introduction to the main principles of physics and emphasizes the development of conceptual understanding and problem-solving ability using algebra and trigonometry. Topics include the study of motion, energy, fluids, waves, electrostatics and circuits.

*Grades 11-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                      *Algebra II, Chemistry; CP must have a minimum 80 average in Algebra II*  
*Co-requisite*                      *Geometry*

## **TECHNOLOGY COURSES**

### **ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES (AP)**

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation and computer science. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. The AP Computer Science Principles assessment consists of two parts: a through-course assessment and the end-of-course AP Exam. The course is designed to be equivalent to a first-semester introductory college computing course. All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grades 10-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                      *Grade of 88 or higher in last math course taken; Digital Literacy & Citizenship; completion of the application process*

### **DIGITAL SPORTS MEDIA**

This course will focus on the writing, editing, recording, and producing live and pre-recorded content to be distributed digitally across the various Father Ryan social and digital media platforms. Students will learn the basics of how to edit and combine photographs using Photoshop. Students will learn the basics of sports journalism interview techniques as they use those skills to create content for live webcasts and written content. Students will learn to combine still images with music and text to create a visual story from their digital photos. Students will work with video editing programs such as Adobe Photoshop and Adobe Premier to create Feature and Hype videos. After the course, students will have a portfolio of hands-on digital content.

*Grades 10 – 12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                      *Approval from the teacher of the course*

### **INTRO TO STEAM**

Intro to STEAM (Science, Technology, Engineering, Arts, Mathematics) is an immersive technology-based curriculum where learners will be exposed to a range of technologies and project-based work that will give them a taste of the curriculum used in the STEAM I and II courses. Students will practice real-world skills such as problem-solving, collaboration, project-planning, time management and communication. Systems of technology explored in this introductory STEM/STEAM course may include: Mechanics and Structures, Computer Graphics, Scientific Data and Analysis, Robotics, Circuitry, and Software Engineering. Students will be assessed using an e-Portfolio to track their progress, successes and troubleshooting as they explore different projects in teams and with partners.

*Grade 9*                      *Elective; 1 semester, ½ credit (may not count toward any required Science or Math credits)*

## **STEAM I**

STEAM I (Science, Technology, Engineering, Arts, Mathematics) is a fully immersive technology-based curriculum where learners explore and apply a wide range of technologies and project-based work. Students develop and practice real-world skills such as problem-solving, collaboration, project-planning, time management and communication. Systems of technology explored in the STEM/STEAM course include: Mechanics and Structures, Computer Graphics, Scientific Data and Analysis, Digital Communications, Alternative and Renewable Energy, Robotics and Control Technology, Circuitry, and Software Engineering. Students will be assessed using an e-Portfolio to track their progress, successes and troubleshooting as they explore different modules.

*Grades 9–12*                      *Elective; 2 semesters, 1 credit (may not count toward any required Science/Math credits)*

*Prerequisites:*                      *None*

## **STEAM II**

STEAM II (Science, Technology, Engineering, Arts, Mathematics) follows STEAM I and is a fully immersive technology-based curriculum where learners explore and apply a wide range of technologies and project-based work. Students develop and practice real-world skills such as problem-solving, collaboration, project-planning, time management and communication. Systems of technology explored in the STEM/STEAM course include: Mechanics and Structures, Computer Graphics, Scientific Data and Analysis, Digital Communications, Alternative and Renewable Energy, Robotics and Control Technology, Circuitry, and Software Engineering. Students will be assessed using an e-Portfolio to track their progress, successes and troubleshooting as they explore different modules.

*Grades 10–12*                      *Elective; 2 semesters, 1 credit (level II and above may count as Science credit)*

*Prerequisites:*                      *STEAM I; teacher approval*

## **STEAM III**

Students will create proposals for Level 2-3 projects of their choosing that will require extended amounts of classroom time and incorporate multiple technologies. Upon approval, a student (or partners) will then create an action plan to document the goal and list the activities that will be done to accomplish it. Examples may include: designing 3-D objects in Fusion 360 and printing on the Dremel and Palette Pro 2 to include multiple colors; using video editing software to script and produce a TED Talk on a topic of interest; designing a system to provide electricity for a “tiny house” using alternative energy sources and then building a model to demonstrate.

*Grades 11–12*                      *Elective; 2 semesters, 1 credit (level II and above may count as Science credit)*

*Prerequisites:*                      *STEAM II; teacher approval*

## **ONE-SEMESTER COURSES**

### **CODING IN PYTHON**

This course teaches coding skills that are used in all aspects of technology and science. It provides interactive units with engaging exercises for students to develop problem-solving skills. Students will be able to creatively apply learned skills in inventive ways to solve problems. No prior programming experience is required.

*Grades 9-12*                      *Elective; 1 semester, ½ credit*

*Prerequisites:*                      *Algebra I*

### **DIGITAL LITERACY & CITIZENSHIP**

This course is a general digital literacy course which ensures that all students are familiar with the requirements for technological success at Father Ryan and beyond. It includes concepts such as laptop care and maintenance, online codes of behavior, basic applications and troubleshooting problems with them, and understanding one’s digital identity/footprint. Other concepts covered include utilizing the web efficiently for use, evaluating information sources and digital tools, copyright laws, online safety and security. Students will utilize Office 365 throughout the semester.

*Grades 9-12*  
*Prerequisites:*

*Required for classes of 2026, 2025, 2024; Elective for class of 2027; 1 semester, ½ credit*  
*None*

## SOCIAL SCIENCES DEPARTMENT

<b>3 Credits Required:</b>
World History (9)
U.S. History (11)
1 Additional

### **ADVANCED PLACEMENT AFRICAN AMERICAN STUDIES (AP)**

Are you curious about the impact that African Americans have made to the American experience? AP African American Studies is an interdisciplinary course that examines the diversity of African American experiences through primary sources. Students explore key topics that extend from early African kingdoms to achievements in science, medicine, and technology. Students will develop skills across multiple fields, including literature, the arts and humanities, political science, geography, and science. This course requires the completion of an in-depth research project.

All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grades 10-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                      *completion of the application process*

### **ADVANCED PLACEMENT EUROPEAN HISTORY (AP)**

This course covers the period from Greek and Roman times through the mid-1990's, with special emphasis on the years after 1450 in Europe. Three basic themes are examined: political and diplomatic; intellectual and cultural; and social and economic. AP European History follows a seminar approach, with a mixture of lecture and class discussion. The course requires considerable outside reading and the writing of critiques of historical literature. At the conclusion of the course, students are prepared to participate in the Advanced Placement Examination program to earn college credit. Nightly reading of the text and supplementary material is required. This course includes summer assignments.

All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grades 10-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                      *World History (H) or (HH); completion of the application process*

### **ADVANCED PLACEMENT HUMAN GEOGRAPHY (AP)**

AP Human Geography presents high school students with the curricular equivalent of an introductory college-level course in human geography or cultural geography. Content is presented thematically rather than regionally and is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human-environment relationships on places, regions, cultural landscapes and patterns of interactions. All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grades 9-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                      *For incoming 9<sup>th</sup> graders: HSPT results, grades and teacher recommendations are considered; for 10<sup>th</sup>-12<sup>th</sup> graders: completion of the application process*

### **ADVANCED PLACEMENT PSYCHOLOGY (AP)**

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major sub fields within psychology, including: history and approaches, research methods, biological bases of behavior, sensation and

perception, states of consciousness, learning cognition, motivation and emotion, developmental psychology, treatment of psychological disorders, and social psychology. Students also learn about the ethics and methods of psychological disorders, and social psychology. Students also learn about the ethics and methods psychologists use in their science and practice. Students who are willing to accept the challenge of a rigorous academic curriculum will be considered for admission. Admission is subject to the approval of the instructor. All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grade 12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*              *Completion of the application process*

### **ADVANCED PLACEMENT U.S. GOVERNMENT AND POLITICS (AP)**

This class begins with a brief review of the history of the creation and acceptance of the *U.S. Constitution* followed by study of the structures and functions of American government as well as influences upon it. This information is regularly synchronized with the six content areas of U.S. government and politics as outlined by the College Board: *constitutional underpinnings; political beliefs and behaviors; parties, interest groups and mass media; the three branches of the government and the bureaucracy; public policy; civil rights and civil liberties.*

The official teachings of the Catholic Church concerning political matters and governmental affairs are also presented. Students will use a university-level introductory text with a web site containing required assignments. Students will also complete practice AP Exam exercises. Students will write timed essays in class on topics currently being studied. Those essays will be graded according to the AP Exam Scoring Guidelines. Instruction will also include analysis and interpretation of data presented in various forms from past AP Exams. The class will also analyze data from several outside sources. All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grades 10-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*              *Grade of 90 or above in World History (H), 85 or above in World History (HH), or 80 in AP World History or AP U.S. History; completion of the application process*

### **ADVANCED PLACEMENT U.S. HISTORY (AP)**

The course is designed to enable students to develop analytical thinking and writing skills and to acquire a thorough knowledge of United States History. The approach of this course includes, but is not limited to, the following elements: development of substantial knowledge of social, cultural, political, economic, and military events relevant to the history of the United States; development of assessment and interpretive skills, development of the ability to interpret primary sources; development of map skills; and the development of communicative skills through the writing of coherent, analytical essays. The course format includes lectures, small group discussions, videos, historical project, objective and subjective tests, and other relevant tasks. This course includes summer assignments. Students willing to accept the challenge of a rigorous academic curriculum will be considered for admission. Admission is subject to the approval of the instructor. All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grade 11*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*              *AP World History or World History Honors/High Honors; completion of the application process*

### **AP WORLD HISTORY: MODERN**

The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills focusing on primary sources and how they are interpreted in various secondary sources. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence, such as is found in

primary sources and archaeological data. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, climate and natural resources, set the human stage. Specific themes provide further organization to the course, along with the consistent attention to contacts among societies that form the core of world history as a field of study. All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grade 10*                      *Elective; 2 semesters, 1 credit*

*Prerequisites:*              *World History or AP Human Geography; completion of the application process.*

## **GEOGRAPHY**

Geography is an elective course which encompasses both the physical and human aspects of geography. Early emphasis is placed on the development and appreciation of physical geographic knowledge. Physical geography includes understanding maps and globes, the solar system, earth's natural resources, weather and climates, and the different types of economies. These skills having been mastered, a human approach to the world's various regions is addressed during the remainder of the year. Elements including political, religious, and cultural practices, as well as current situations of the world's major regions, are discussed.

*Grades 10-12*                *Elective; 2 semesters, 1 credit*

*Prerequisites:*              *None*

## **MODERN WORLD HISTORY**

This course covers the late Renaissance, the French Revolution, the Industrial Revolution, Imperialism, World War I and II (and the years between), the Cold War, and the rise and fall of the Third World. Special emphasis is placed on current events and the relationships between past events and present day occurrences. The format of this course includes the following: lecture, small group discussion, films, maps, and individual projects.

*Grades 10-12*                *Elective; 2 semesters, 1 credit*

*Prerequisites:*              *World History*

## **PSYCHOLOGY**

Psychology is the systematic study of individual human behavior and experience. The purpose of this course is to introduce the student to the content, terminology, methodology, and application of this discipline. In this year long course, we will explore many of the major fields of psychology which will include the science of psychology, methods of experimentation and research, sensation and perception, thinking and cognition, developmental psychology, personality development, social psychology, and abnormal psychology and treatment. While navigating and investigating the content of this subject matter, students will be challenged to ask the question: how does this apply to me? Through the process of tackling this question, we will understand that the answers will have much to do with brain chemistry and illustrate the intrinsic connection between the mind and the body. While we cannot always control our feelings and behaviors, we can understand and manage them with awareness using psychological and neurobiological tools. We all learn differently, react differently, and process information differently, (one reason why eye-witness testimony is the least reliable type of evidence in court), however there are theories that sometimes prove that we are more predictable than we realize. It is my hope that you will grasp and learn as much of this course as possible so that you can use what you have acquired as tools to understand yourselves and others and improve and build the type of personality that will help you in life.

*Grade 12*                      *Elective; 2 semesters, 1 credit*

*Prerequisites:*              *None*

## **U.S. GOVERNMENT AND POLITICS (HH)**

This class begins with a brief review of the history of the creation and acceptance of the *U.S. Constitution* followed by study of the structures and functions of American government as well as influences upon it. The six primary content areas are: *constitutional underpinnings; political beliefs and behaviors; parties, interest groups and mass media; the three branches of the government and the bureaucracy; public policy; civil rights and civil liberties*. The official teachings of the Catholic Church concerning political matters and governmental affairs are also presented. Students will use a level appropriate introductory text with web sites containing required assignments. The class will also analyze data from several outside sources. Examples of objectives for this class include the following: organizing, defining and distinguishing structures, roles, officials, and situations in the workings of the federal government; interpreting legal conclusions, political approaches and ideological motives; assessing and evaluating programs, methods, job performance of office holders; assessing the impact of non-governmental parts of the political environment on process and end product.

*Grades 10-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                      *World History*

### **U. S. HISTORY (CP, H, HH)**

This course is designed to develop an appreciation and understanding of the origins and development of the current culture of the United States and the relationship between the U.S. and other nations of the world. The course will also focus on the development of comprehensive skills, including reading and analyzing various important materials and the ability to understand current events. Geographic awareness will be stressed.

*Grade 11*                              *Required; 2 semesters, 1 credit*  
*Prerequisites:*                      *World History*

### **WORLD HISTORY (CP, H, HH)**

This course explores major events, movements, developments, and issues in World History from the 9<sup>th</sup> century to the 19<sup>th</sup> century. It emphasizes historical thinking skills, including contextualization, causality, contingency, and sourcing. Students will evaluate how societies impact one another, how information and culture spread, and how political, religious and philosophical ideologies impact the world. Instruction includes lecture, source analysis, close reading, podcasts, art and writing assignments.

*Grade 9*                                *Required; 2 semesters, 1 credit*  
*Prerequisites:*                      *None*

## **ONE-SEMESTER COURSES**

### **20<sup>TH</sup> CENTURY AMERICAN HISTORY THROUGH FILM**

One way to learn about the past is to study movies with historical themes. In this course, we will examine historical events by watching, discussing, and writing about movies. Movies can provide some factual information about an historical figure, event, or time period. Movies can also distort the past. A major part of this course will be to discuss how movies accurately and inaccurately portray history. With each film watched, students will be asked to answer 2 questions:

1. What does the movie tell the modern viewer about a particular time period?
2. What is the underlying theme of the movie?

Grades will be determined the following ways:

Daily Assignments: Discussing themes, strengths, weaknesses, historical accuracy

Essays: An essay per unit that addresses how the film portrayed the past

*Grade 12*                                *Elective; 1 semester, ½ credit*  
*Prerequisites:*                      *U.S. History; cannot be taken concurrently with Film Studies*

## **ADVANCED PLACEMENT MACROECONOMICS (AP)**

*\* Please see course description in Math department page 19*

## **ADVANCED PLACEMENT MICROECONOMICS (AP)**

*\* Please see course description in Math department page 19*

## **CONTEMPORARY U.S. HISTORY: THE VIETNAM WAR (1945-1975)**

This course will address America's Vietnam War, including Vietnamese history and culture, French colonialism, American foreign policy in the Cold War, Chinese-Vietnamese relations, American and Vietnamese strategy, the antiwar movement, and the fall of Saigon. The course will combine readings, lecture, documentary films, and discussions. Students will learn about the Vietnamese antecedents of the "American War" in South Vietnam; the origins of American intervention in Southeast Asia; the major strategies and events of the Vietnam War; and the conclusion of the Vietnam War. Skills developed in the course include formal and informal writing, textual analysis, and critical thinking.

*Grades 10-12                      Elective; 1 semester, ½ credit*

*Prerequisites:                      None*

## **CONTEMPORARY U.S. HISTORY: THE CIVIL WAR (1850-1877)**

This course attempts to briefly summarize and present the major events and battles related to the War Between the States in chronological order. In addition, this course will set forth the major political issues and philosophies that set the stage for the Civil War, sustained the conflict, and impact of the Reconstruction on the South. The Civil War is a period of U.S. History that continues to linger on to this day in the hearts and minds of most Americans. Finally, a list of the major figures related to the Civil War will be presented to highlight each notable person's contributions to the struggle itself and to the overall development of our nation. Skills developed in the course include formal and informal writing, textual analysis, and critical thinking.

*Grades 10-12                      Elective; 1 semester, ½ credit*

*Prerequisites:                      None*

## **ECONOMICS**

This course is designed to be an introduction to basic economic and business principles that can be applied in daily life. Topics covered are insurance, credit, investments, and taxes. Emphasis is placed on money-management and the making of sound consumer decisions. There are hands-on projects during the year to help students better understand the concepts and principles discussed in class.

*Grades 9-12                      Elective; 1 semester, ½ credit*

*Prerequisites:                      None*

## **HISPANIC STUDIES**

*\* Please see course description in World Languages and Cultures department page 48*

## **INTRODUCTION TO U.S. GOVERNMENT**

The purpose of this course is to give students an understanding of the American form of government. The course will examine how the current form of U.S. government began; what makes it work; how it has changed in the past 230 years. Students will examine their roles in the functioning of government and will continue to learn the duties of responsible citizens.

*Grades 9-12                      Elective; 1 semester, ½ credit*

*Prerequisites:                      None*

## **LATIN AMERICAN STUDIES**



*\* Please see course description in World Languages and Cultures Department, pages 49*

### **MILITARY LITERATURE OF THE WORLD WARS**

*\*Please see course description in English Department, pages 13*

### **NATIVE AMERICAN STUDIES**

This course is a survey of the various Native American cultures including those of the east, southeast, northern and southern plains, southwest, mountain and west coast. It is designed so that students will obtain a better understanding of the history of these Native Americans.

*Grades 9-12                      Elective; 1 semester, ½ credit*

*Prerequisites:                      None*

### **INTRODUCTION TO PHILOSOPHY**

*\*Please see course description in Theology Department, pages 34*

### **WORLD RELIGIONS**

*\*Please see course description in Theology Department, page 34-35*

## THEOLOGY DEPARTMENT

<b>4 Credits Required (one credit each year):</b>
Theology I (9)
Theology II (10)
Theology III (11)
Jesus Christ Mission and Senior Service or Intro to Philosophy or World Religions (12)

The Theology department curriculum is currently aligned with the recently promulgated USCCB (United States Council of Catholic Bishops) high school curriculum.

### THEOLOGY I

This two-semester course is a survey course aimed at providing students with a general knowledge of the Scriptures as well as an introduction to the basic principles for understanding and interpreting the Bible.

- The students should come to an appreciation of how God communicates through the Scriptures, both then and today.
- The Sacraments of Initiation will also be covered to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist.

An overview of how the Catholic faith is lived out at Father Ryan is embedded into the course, including an introduction to our celebration of the mass, penance services, service through the works of mercy, etc.

*Grade 9*                      *Required; 2 semesters, 1 credit*

*Prerequisites:*              *None*

#### **Human Sexuality**

The human sexuality curriculum brings together the emotional, physical, and spiritual aspects of human sexuality, based on the Theology of the Body of Pope John Paul II. A blend of technical information and Catholic values are presented in an intensive four-week period.

*Grade 9*                      *Required; 4 weeks within Theology I*

### THEOLOGY II

This two-semester course helps students understand that it is only through Christ that they can fully live out God's plans for their lives. In learning about who He is, the students will also learn who He calls them to be. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples. Students will examine the sacraments of healing in detail so as to learn how they may encounter Christ throughout life.

*Grade 10*                      *Required; 2 semesters, 1 credit*

*Prerequisites:*              *Theology I*

#### **Human Sexuality**

The human sexuality continues and builds upon the curriculum begun in Theology I, bringing together the emotional, physical, and spiritual aspects of human sexuality. A blend of technical information and Catholic values are presented in an intensive four-week period. It is a component of Theology II.

*Grade 10*                      *Required; 4 weeks within Theology II*

### THEOLOGY III

This two-semester course helps students understand all that God has done for us through His Son, Jesus Christ. They will be introduced to what it means to be a disciple of Christ and what life as a disciple entails. Students will also learn about the social teaching of the Church. In this course, students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission.

*Grade 11*                      *Required; 2 semesters, 1 credit*  
*Prerequisites:*              *Theology II*

## **ONE-SEMESTER COURSES**

### **INTRODUCTION TO PHILOSOPHY**

This course will introduce students to the basic ideas in philosophy. These include logic, epistemology, metaphysics, ethics, political philosophy, and existentialism. Students will reflect on and examine some of the basic (but profound) questions of human existence. What is piety? What is justice? What are we? What is the meaning of life? Does God exist? What is evil? What is the right thing to do? How do we know that we know anything? What can we know? What is real? The course covers the history and lives of philosophers throughout the ages and reading their works. Authors covered include Socrates (via Plato), Plato, Aristotle, St. Augustine, St. Thomas Aquinas, Thomas Hobbes, John Locke, Descartes, Nietzsche, Sartre, Kierkegaard, Kant, Mill, etc. Of course, this course will be taught from a Catholic perspective, but students will examine the works and philosophies of many non-Catholic philosophers to compare and contrast.

*Grades 11-12*                *Elective; 1 semester, ½ credit (Social Sciences OR Theology)*  
*Prerequisites:*              *Theology II*

### **JESUS CHRIST'S MISSION CONTINUES IN THE CHURCH**

The purpose of this course is to help the students understand that in and through the Church they encounter the living Jesus Christ.

- They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit.
- The students will come to know that the Church is the living Body of Christ today.
- This body has both divine and human elements.
- In this course, students will learn not so much about the events in the life of the Church but about the sacred nature of the Church.
- The Sacraments of Vocation are also covered in this course.

*Grade 12*                      *Required; 1 semester, ½ credit*  
*Prerequisites:*              *Theology III*

### **SENIOR SERVICE**

This course allows students to put Christian values into action. Students are given an opportunity to work with the elderly, pre-school children, typical elementary school children, and children who are physically, mentally, and/or emotionally challenged. While this class is meant as a means of practicing the Gospel message through service to others, the students themselves are beneficiaries of the experiences. There is a seminar component to the course when stories are shared and reports are given. Written journals of the students' experiences are regularly assigned and submitted for review and evaluation.

*Grade 12*                      *Elective; 1 semester, ½ credit*  
*Prerequisites:*              *Theology III*

### **WORLD RELIGIONS**

The purpose of this course is to help students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted to her the fullness of God's Revelation, the course is intended to help students to recognize the ways in which other systems of belief and practice differ from the Catholic faith.

*Grades 11-12*

*Elective; 1 semester, ½ credit (Social Sciences OR Theology)*

*Prerequisites:*

*Theology II*

## VISUAL AND PERFORMING ARTS DEPARTMENT

1 Credit Required

\*Performance based class: This class will require time outside of the scope of the regular school day, some nights and weekend commitments may be necessary.

\*\*This class is a more traditional class in that it will use textbooks and lectures in teaching.

### VISUAL ARTS COURSES

#### **ADVANCED PLACEMENT STUDIO ART DRAWING (AP)**

The AP Drawing class is designed for artists who are highly gifted, self-motivated and independent workers. Students in this class will complete a portfolio of 24 pieces of work in two sections. The first section is the Concentration: in this section students will choose a single theme and create a dozen works based on that single theme. The second section is the Breadth: unlike the Concentration, in this section the student will show his or her ability to work on a wide range of subjects or themes. This course offers the student the opportunity to work independently and to pursue his or her person's artistic interests. At the end of the course the portfolios will be submitted to the College Board for evaluation. Below is a link to the AP Studio Art Website. <https://apstudent.collegeboard.org/apcourse/ap-studio-art-drawing/course-details>. All students enrolled in this class are required to submit their AP drawing portfolio at the end of the course. Cost of the portfolio review is \$97.00 - \$100.00 and is paid by the student.

*Grades 11-12*

*Elective; 2 semesters, 1 credit*

*Prerequisite:*

*Art and completion of the application process; portfolio review*

#### **ADVANCED PLACEMENT STUDIO ART 2-D DESIGN (AP)**

This course is for the gifted art student who is interested in further developing his/her skills in a broad range of two-dimensional mediums. This means that a work of art is created with drawing materials that will have aspects of two-dimensional design that contribute to its success. Everything that happens on a two-dimensional surface, regardless of media, is designed. The principles of design (unity/variety, balance, emphasis, contrast, rhythm, repetition, proportion/scale, figure/ground relationships) can be articulated through the visual elements (line, shape, color, value, texture, space).

Through the course of the year each student will create a portfolio that is reviewed by the College Board, and may be submitted to admission directors at prospective colleges and universities. For the 2-D portfolio, students are asked to demonstrate mastery of 2-D design through any two-dimensional medium or process, including, but not limited to, graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting and printmaking. All students enrolled in this class are required to submit their AP portfolio at the end of the course. Cost of the portfolio review is \$97.00 - \$100.00 and is paid by the student.

*Grades 11-12*

*Elective; 2 semesters, 1 credit*

*Prerequisite:*

*Art and completion of the application process; portfolio review*

#### **ADVANCED PLACEMENT STUDIO ART 3-D DESIGN (AP)**

This course is for the gifted art student who is interested in further developing his/her skills

in a broad range of three-dimensional mediums. Through the course of the year each student will create a portfolio that is reviewed by the College Board, and may be submitted to admission directors at prospective colleges and universities.

Portfolio Development:

The AP 3-D design course promotes a sustained investigation of all three aspects of portfolio development, as outlined in the AP Studio Course Description throughout the duration of the course. Those three sections are:

- **Quality:** This section requires 10 slides - five works, two views of each - that demonstrate mastery of 3-dimensional design. These works may come from, but are not limited to, the Breadth and/or Concentration sections.
- **Concentration:** This section requires students to submit 12 slides, some of which may be second views or details. The concentration section is unified by a single obvious conceptual idea. The materials used in this section may vary.
- **Breadth:** This section requires students to submit 16 slides - 8 works, two views of each. This section shows a variety of works demonstrating an understanding of the principles of design. Examples include works that employ line, plane, mass, or volume to activate form in space. It contains assemblage or constructed work that transforms materials or object identity through the manipulation of proportion/scale. It also contains work that demonstrates an understanding of symmetry, asymmetry, balance and implied motion. The student will submit a digital portfolio that consists of the artwork and an artist's statement to explain their working process and how this relates to their work. All students enrolled in this class are required to submit their AP portfolio at the end of the course. Cost of the portfolio review is \$97.00 - \$100.00 and is paid by the student.

*Grades 11-12*

*Elective; 2 semesters, 1 credit*

*Prerequisites:*

*Art and completion of the application process; portfolio review*

## **ART**

This course seeks to build on the essential skills that students developed in Introduction to Art. Students will increase their proficiency in the use of the Principles and Elements of Design and apply those principles to a variety of media, including but not limited to, pencil, pen and ink, pastel, watercolor, acrylic, block printing and clay.

*Grades 10-12*

*Elective; 2 semesters, 1 credit*

*Prerequisites:*

*Introduction to Art*

## **INTRODUCTION TO ART**

Introduction to Art is the entry level visual art course. During the course of the year students will be introduced to basic concepts of pictorial design, the Elements and Principles of design. As drawing is the most basic of all visual art skills, this course will focus heavily on developing drawing skills, although students will also be introduced to various painting techniques and mediums. There may also be opportunity to explore some 3-D medium as time and circumstances allow.

*Grades 9-12*

*Elective; 2 semesters, 1 credit*

*Prerequisites:*

*None*

## **PORTFOLIO DEVELOPMENT (HH)**

The Portfolio Development class is designed for the serious art student who hopes to put together a portfolio to present to colleges or art schools. To that end, many assignments will be based upon works which art schools commonly request of their applicants. Additionally, students will be introduced to various artist and art movements and asked to create works which reflect their understanding of those artists and movements. Students in this class should expect to work in a wide variety of mediums including, pencil, charcoal, dry point, watercolor, acrylic, pastel and others.

*Grades 11-12*

*Elective; 2 semesters, 1 credit*

*Prerequisites:*

*Introduction to Art, Art; approval of the instructor*

### **THREE-DIMENSIONAL DESIGN**

The goal of this course is for the students to develop an understanding of three-dimensional forms, spatial relations, building techniques, craftsmanship, and to explore the elements of design through the application of studio work. The majority of work will be created in class. Out of class work will consist of working on projects at home, before or after school, as well as bringing in materials or doing research on a particular artist and their technique. Art historical references from prehistoric to contemporary art will be made throughout the course of the year and student's knowledge of classic and contemporary sculptors will grow immensely throughout the year. This will be how students will be introduced to concepts and materials that will be used in the studio. A major goal of the class is that the student will develop their own personal vision and style and realize that art is an ongoing process. The student will be well versed in the materials and techniques of pottery, sculpture, and a basic understanding of architecture. In addition, students will draw from life in an effort to broaden and sharpen their two-dimensional skills. The student will work from their own drawings to create the three-dimensional work. This is an intensive course for the serious art student.

*Grades 10-12*                      *Elective; 2 semesters, 1 credit*

*Prerequisites:*                      *Introduction to Art*

### **INSTRUMENTAL MUSIC COURSES**

#### **ADVANCED PLACEMENT MUSIC THEORY (AP)**

This music theory advanced placement course follows the College Board approved syllabus. Emphasis is placed on advanced pitch and rhythmic notation, scale structures, harmonic structures, part-writing, ear training, harmonization, and music composition. Students will be required to take the Advanced Placement examination, which is comprised of both a written segment and a sight-singing segment. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grades: 11-12*                      *Elective; 2 semesters, 1 credit*

*Prerequisites:*                      *Music Theory I or 2 years of Band or Choir; completion of the application process*

#### **BAND**

Band class is designed to promote and develop musical performance skills for each student's chosen instruments. Students will be exposed to a variety of musical styles ranging from classical to commercial music, will master skills in line with state and national standards, and will be provided opportunities outside of the classroom to display these skills through performance. Band class is open to any student who currently plays or would like to learn to play any wind, percussion, or string instrument including piano, electric, guitar, or electric bass. Band class will not involve after school rehearsals or significant activity cost.

*Grades 9-12*                      *Elective; 2 semesters, 1 credit*

*Prerequisites:*                      *None*

#### **COLOR GUARD, WINTER GUARD, AND MOVEMENT\***

In addition to learning intermediate and advanced guard techniques, color guard students will learn classical and modern dance and movement techniques. Students will be a member of the nationally recognized Marching Band and will have the opportunity to join the nationally recognized Winter Guard 2nd semester.

*Grades 9-12*                      *Elective; 2 semesters, 1 credit (Visual and Performing Arts OR ½ PE)*

*Prerequisites:*                      *You must be in the marching band color guard to be in this class*

#### **MUSIC TECH**

Considering a career in the music industry? This course will introduce students to some of the tools real record labels use for producing and recording music. This course is a hands-on class delivering to students an experience with digital music and video editing/recording software applications such as GarageBand/Logic Pro X, Finale, Final Cut Pro, iTunes

and iMovie. The class includes student exposure to performing with electronic instruments and vocal recording, multi-track recording, music arranging, and music history. The programs utilized represent a large portion of the types of things current musicians are doing with music technology and span in sophistication from entry-level to professional.

*Grades 10-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                      *None*

### **MUSIC THEORY I**

In this course the student will achieve a solid foundation in the fundamentals of music construction. The student will cover a wide variety of skills including but not limited to scales, rhythms, chord structures, and an introduction to music composition. This course is designed for the student who can already read music and has a fundamental understanding of music.

*Grades 10-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                      *None*

## **VOCAL PERFORMANCE / PERFORMING ARTS**

### **ACTING**

This class is an audition-only class and will further educate the student who wishes to study acting and perform. The class will focus specifically on the acting challenges particular to different types of theatrical production, with emphasis on deepening character development through dialogue, song, and staging. Performance will be a regular part of this class and will be an important part of student evaluations. Each semester will stand alone and culminate in a performance. There is a \$50 fee associated with this class.

*Grades 10-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                      *Audition consisting of two, one-minute, contrasting monologues*

### **CHAMBER CHOIR\***

The Father Ryan Singers Chamber Choir is a performance group that performs a variety of styles from several periods of music history. The Father Ryan Singers sing in Mass, compete and perform in music festivals, and perform in concerts at school and in the community. All performances and rehearsals, including those that require time outside the normal school day, are required and graded. The levels of Chamber Choir are as follows:

**Beginning Chamber Choir** students, comprised of freshmen in their first year of chorus, will strive to develop basic musicianship skills, including how to read music, and to master the fundamentals of good vocal and choral technique.

*Grade 9*                                      *Elective; 1 semester, ½ credit*  
*Prerequisites:*                                      *None*

**Chamber Choir** students will strive to develop basic musicianship skills, including how to read music, and to master the fundamentals of good vocal and choral technique. All singers are encouraged to audition for All-State Chorus and participate in Solo/Ensemble Festival. There is a \$150 fee associated with this course.

*Grades 9-12*                                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                                      *Audition required*

**Honors Chamber Choir** members are chosen by audition in the spring. The audition includes a prepared section and a sight-reading section of music. These singers are required to prepare and audition for All-State Chorus in



the fall, to be able to read music, and will prepare and sing additional advanced pieces as a small ensemble for performances. Occasionally, this ensemble will hold rehearsals outside of the class period. These choir members are required to sing as part of Music Ministry in Mass at least three times a semester. Graduating Honors Chamber Choir members earn an honor cord to be worn at graduation. There is a \$150 fee associated with this course.

*Grades 10-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                      *Audition required*

### **DANCE I\***

This is a basic class designed for students with little to no dance experience. Students will be introduced to basic dance terminology and will study the history and evolution of dance. Various genres and styles will be examined and demonstrated, and students will work to increase dance ability and coordination. Please visit the Father Ryan Fine Art department website for additional information: <https://www.fatherryan.org/arts/dance>. Dance attire will be required. Students will be expected to purchase dance attire for class and performances. Additional costs are approximately \$125 for shoes and class apparel as well as a \$100 costume fee.

*Grades 9-12*                      *Elective; 2 semesters, 1 credit (Students may drop course at the semester break, however students cannot enroll mid-year.)*  
*Prerequisites:*                      *None*

### **DANCE II\***

Dance II is a follow-up course to Dance I. Students who have taken Dance I, or who participate in leveling auditions in the spring and are placed accordingly, are eligible to enroll. This course will advance basic dance skills acquired in the earlier class or with those who have had minimal training. The course will be divided into four sections of ballet, jazz, tap, and musical theatre, to provide students with a good overall dance education. Students should learn more advanced dance techniques in the four areas indicated. They should also learn performance skills and skills for working as a team. Please note the final exam is an after-school performance. Students will be expected to purchase dance attire for class and performances. Additional costs are approximately \$125 for shoes and class apparel as well as a \$100 costume fee.

*Grades 9-12*                      *Elective; 2 semesters, 1 credit (Visual and Performing Arts or Wellness)*  
*Prerequisites:*                      *Dance I or leveling audition*

### **DANCE III\***

Dance III builds upon the skills learned in the Dance II course. Students who have taken the Dance II course or who participate in leveling auditions in the spring and are placed accordingly are eligible to enroll. This course will advance dance skills acquired in earlier classes or training. Students should learn more advanced dance techniques in the major areas of dance. They should also learn performance skills and skills for working as a team. Please note the final exam is an after-school performance. Students will be expected to purchase dance attire for class and performances. Additional costs are approximately \$125 for shoes and class apparel as well as a \$100 costume fee.

*Grades 9-12*                      *Elective; 2 semesters, 1 credit (Visual and Performing Arts or Wellness)*  
*Prerequisites:*                      *Determined by leveling audition*

### **DANCE IV: PERFORMANCE DANCE (H)\***

This is an audition-based course that consists of students with extensive dance training. Auditions are held during the spring semester. Students will learn various methods of choreography and demonstrate styles of historically famous choreographers. Elements of dance and improvisation will be used in the class. Performance in the Fine Arts Christmas Concert and Spring Musical is required as well as school performances, pep rallies, and other community appearances. Please visit the Father Ryan Fine Art department website for additional information:

<https://www.fatherryan.org/arts/dance>. Some after school rehearsal is required in addition to a full class period. Please note the final exam is an after-school performance. Dance attire will be required. Students will be expected to purchase dance attire for class and performances. Additional costs for Dance IV (Dance Team) are approximately \$1,500-\$1,800 which includes team apparel, choreography, etc.

*Grades 9-12*                      *Elective; 2 semesters, 1 credit (Visual and Performing Arts or Wellness)*  
*Prerequisites:*                *Audition required*

### **MUSICAL THEATRE\***

The Musical Theatre course is designed as a performance class where student actors may gain an understanding of the genre of musical theatre, acquire basic skills needed to perform in musical theatre and to hone their musical and theatrical talents. This course will encourage students to take risks and step outside their comfort zone in a safe environment. There is a \$50 fee associated with this course.

*Grades 10-12*                    *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                *Audition required*

### **SHOW CHOIR (HH)\***

Performing under the name "Mosaic," the FRHS Show Choir will sing a variety of commercial styles. Mosaic will perform regularly during the school year in two formal concerts, choral festivals/competitions, and for various other functions, both at school and in the community. Show Choir members must audition for All State/Mid State. Graduating Show Choir members earn an honor cord to be worn at graduation. There is a \$150 fee associated with this course.

*Grades 10-12*                    *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                *Audition required*

## **OVERVIEW COURSES IN THE ARTS**

### **ARTS APPRECIATION\*\***

Arts Appreciation is the exploration of Music, Dance, Drama, and Visual Arts. By the end of the year students will have a basic understanding of important events, artistic movements, and philosophies as well as an appreciation of the Fine Arts. The students will familiarize themselves with the basic vocabulary of each artistic discipline. Students will also develop insights about the description, analysis, interpretation & judgment of the arts through critique of performances and various art works. This class is intended to broaden horizons, encourage lifelong participation in the arts community, and peak curiosity to explore the world of music, theatre and the visual arts beyond the classroom.

*Grades 9-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                *None*

### **BACH TO ROCK\*\***

Bach to Rock is a course designed to familiarize the student with the history of Rock music, primarily as it unfolded in the United States, from the days before Rock (pre-1955) to current day. Prominent players and groups of each era will be covered, as well as historical factors that shaped the many styles of Rock music. Listening to music and viewing live performances during class time will help enhance the learning experience. Students will also explore how developments in the music business and in technology helped shape the ways in which styles developed. Students will explore the evolution of Rock and the subsequent genres it influenced including pop, rap, and modern country.

*Grades 9-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                *None*

### **INTRODUCTION TO FILM STUDIES\*\***

This course blends an examination of the creative, photographic, and technical elements of filmmaking with an analytical approach to the study of film. We will investigate and identify the ideological, social, political and economic messages embedded in film narrative, as we approach film as text. We will focus on a wide variety of films from different eras, countries and genres to introduce ourselves to the large scope and influence that film has had and is still having on our society.

*Grade 12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*              *Teacher approval; essay*

## ONE-SEMESTER COURSES

### SPEECH AND DEBATE TOPICS

*\* Please see course description in English department page 14*

### TECH DESIGN: COSTUMES AND PROPS\*

This class is for the student who is seriously interested in technical theatre specifically costumes and props. Students would assist with productions and events in addition to creating designs for a variety of shows. Students must apply for this class.

*Grades 10-12*                      *Elective; 1 semester, ½ credit*  
*Prerequisites:*              *Two-page typed essay explaining the student's desire to be in the class*

### TECH DESIGN: SCENIC AND LIGHTING\*

This class is for the student who is seriously interested in technical theatre specifically in the areas of scenic and light design. Students would assist with, as well as build the scenery and design the lights for a variety of shows. Students must apply for this class.

*Grades 10-12*                      *Elective; 1 semester, ½ credit*  
*Prerequisites:*              *Two-page typed essay explaining the student's desire to be in the class*

### THEATRE I

This course introduces students to the skills of reading, performance, critical viewing, and listening as it relates to the dramatic arts. Dramatic concepts are emphasized. During the course of the year, the class may attend a selected play at the Tennessee Performing Arts Center, usually in connection with Humanities Outreach in Tennessee. Attendance at this performance is required.

*Grades 9-12*                      *Elective; 1 semester, ½ credit*  
*Prerequisites:*              *None*

### THEATRE II

Theatre II continues the study of theatre and focuses on differing styles of theatre such as realism, theatricalism and musical theatre. Styles are studied and then students will work on scenes in the style to perform for the class. Design elements will be discussed and explored.

*Grades 9-12*                      *Elective; 1 semester, ½ credit*  
*Prerequisites:*              *None*

## WELLNESS EDUCATION DEPARTMENT

<b>1.5 Credits Required:</b>
1 Physical Education
½ Health

### **COLOR GUARD, WINTER GUARD, AND MOVEMENT**

*\* Please see course description in Visual and Performing Arts department page 38*

### **DANCE I**

*\* Please see course description in Visual and Performing Arts department pages 40*

### **DANCE II**

*\* Please see course description in Visual and Performing Arts department pages 40*

### **DANCE III**

*\* Please see course description in Visual and Performing Arts department page 40*

### **DANCE IV**

*\* Please see course description in Visual and Performing Arts department pages 40*

## **ONE-SEMESTER COURSES**

### **STRENGTH TRAINING FOR ATHLETES**

This course is designed to help student athletes develop the skills particular to a chosen sport during their off-season semesters. Besides athletic team preparation, this course consists of conditioning, strength training, and other athletic skills. Students must follow the curriculum of this course regardless of any outside sports involvement or training.

*Grades 10-12 Elective; ½ credit per semester (may be taken for more than one semester)*

*Prerequisites: Must be a member of a Father Ryan athletic team*

### **STRENGTH TRAINING**

This course is designed to further increase physical strength and cardiovascular fitness. Proper form and technique will be emphasized, along with aerobic conditioning, strength and toning activities. Grading is based on participation, attendance and attitude.

*Grades 10-12 Elective; 1 semester, ½ credit*

*Prerequisites: None*

### **WELLNESS A (PHYSICAL EDUCATION) I and II**

This course introduces students to a variety of sports and physical activities in order to encourage a lifetime of concern for fitness and good health practices. Units include volleyball, touch football, floor hockey, basketball, track and field

events, physical fitness, weight training, and more. Grading is based on attendance, participation and attitude. Wellness A I is offered in the fall semester, with Wellness A II offered in the spring semester.

*Grade 9*                      *Elective; 1 semester, ½ credit*  
*Prerequisites:*              *None*

### **WELLNESS C (HEALTH)**

This one-semester course is designed to give the students information they need to live a healthy life by making wise decisions concerning food, drugs, alcohol, tobacco, etc. Topics included are fitness, nutrition, disease, consumer information, human sexuality, family planning, mental and emotional health. Students will be required to take notes, pass skill and written tests, and participate in class discussion. Attendance, participation, and test scores will determine grades.

*Grades 9-12*                *Required; 1 semester, 1/2 credit*  
*Prerequisites:*              *None*

### **ATHLETIC PE**

The following athletic teams are assigned a conditioning class period:

- Baseball (spring only)  
Basketball (male and female)
- Football
- Lacrosse (female only, spring only)
- Soccer (female, fall only)
- Soccer (male, spring only)
- Softball (spring only)
- Volleyball (fall only)
- Wrestling

*Grades 9-12*                *Required for members of these athletic teams, ½ credit per semester*  
*Prerequisite:*                *Athlete or manager; coach approval*

## WORLD LANGUAGES AND CULTURES DEPARTMENT

### 2 Credits Required in the same World Language

#### **FRENCH I (CP, HH)**

This course is an introduction to spoken and written French, with an emphasis on the interpersonal, interpretive, and presentational modes of communication, at the beginner's level. Students will learn to master the basic rules of pronunciation and intonation, a present and a past tense, and elementary sentence structure. Students will gain practice and knowledge in the areas of language control, vocabulary, communication strategies, and cultural awareness, at the novice to early intermediate levels. This course is also an introduction to the cultures and the geography of the French-speaking world.

*Grades 9-11*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                      *None*

#### **FRENCH II (CP, HH)**

This course incorporates extended vocabulary pertaining to a variety of topics, such as everyday life, contemporary issues, science and technology, and the arts. It includes more complex sentence structures and verb tenses. Students are exposed to authentic resources, which they use to accomplish different tasks in the interpersonal, interpretive, and presentational modes of communication, at the intermediate to early advanced levels. This course helps students improve their speaking, writing, listening, and reading skills.

*Grades 9-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                      *French I*

#### **FRENCH III (HH)**

In this class, students develop more sophisticated language skills and the grammar becomes more complex. This course helps students develop proficiency in the four communicative skills of speaking, writing, listening, and reading. Students use authentic resources on a variety of topics, including global challenges, science and technology, contemporary life, personal and public identities, families and communities, and beauty and aesthetics, in order to accomplish different tasks in the interpersonal, interpretive, and presentational modes of communication, at the advanced level. Students study cultural, historical, and literary texts.

*Grades 10-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                      *French II*

#### **ADVANCED PLACEMENT FRENCH LANGUAGE & CULTURE (AP)**

AP French Language and Culture is designed to train students in the interpersonal, interpretive, and presentational aspects of communication. The six themes of the AP French Language and Culture course are: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics. The class is conducted in French and students must express themselves in French. This course prepares students for the Advanced Placement French Language and Culture examination. Successful completion of this course requires significant outside work and diligent class preparation. All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grades 11-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                      *French III; completion of the application process*

### **LATIN I (CP, H, HH)**

This course provides an introduction to the classical world and to the Latin language. Emphasis is on vocabulary (and English derivatives), basic grammar (all verb tenses, declensions, and agreements), and translation.

*Grades 9-12*                      *Elective; 2 semesters, 1 credit*

*Prerequisites:*                *None*

### **LATIN II (CP, H, HH)**

This course further develops Latin language skills through more complex grammar, irregular verbs, subjunctive uses, and translation passages. It broadens students' knowledge of Roman culture and history.

*Grades 9-12*                      *Elective; 2 semesters, 1 credit*

*Prerequisites:*                *Latin I*

### **LATIN III (HH)/LATIN IV (HH)**

This course is a much larger step from Latin I-II classes put together as we assimilate all former grammar and plenty of previous vocabulary in translating literary pieces by actual Roman authors including primarily Catullus, Ovid, and Vergil. We translate various passages and poems of these authors into English, and we then analyze their importance and significance to those in the ancient Roman World as well as to us in the modern world of today. Certain vocabulary words used by these authors sometimes require a closer inspection of their definition, their English derivatives, and their impact to the passage and reader. This course requires a deeper commitment to rigorous study and work habits.

*Grades 10-12*                      *Elective; 2 semesters, 1 credit*

*Prerequisites:*                *Latin II/Latin III*

### **ADVANCED PLACEMENT LATIN (AP)**

This course follows the rigorous AP Syllabus of selected lines of Vergil's Aeneid and selected Chapters of Julius Caesar's Commentaries on the Gallic War. Students need to have a deep commitment for studying and learning, as this course involves translating at a brisk pace. Students need to review each night previously translated lines from that day's class. Strong writing skills are also needed to have success on the AP Exam. All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grades 11-12*                      *Elective; 2 semesters, 1 credit*

*Prerequisites:*                *Latin III; completion of the application process*

### **SPANISH I (CP, H, HH)**

This course introduces the Spanish language and Hispanic culture to students. In this first level of Spanish, students will begin the process of acquiring language, by listening and reading, to support their eventual output through speaking and writing. This course provides the basic vocabulary and structures students need to begin communicating in Spanish, with the goal of reaching Novice-Mid (at minimum) language proficiency. Using comprehensible input, the class will address the five Cs of ACTFL national standards: Communication, Connections, Culture, Comparisons, and Community.

*Grades 9-12*                      *Elective; 2 semesters, 1 credit*

*Prerequisites:*                *Spanish Placement test score; recommendation of counselor*

### **SPANISH I FOR HERITAGE SPEAKERS (H)**

Spanish I for Heritage Speakers is designed specifically for native/heritage speakers of Spanish who already have some oral proficiency. The purpose of this course is to enable students whose heritage language is Spanish to develop,

maintain and enhance proficiency in Spanish by providing them the opportunity to listen, speak, read and write in a variety of contexts and for a variety of audiences. The course will allow students to explore the cultures of the Hispanic world including their own, and it will enable students to gain a better understanding of the nature of their own language as well as other languages to be acquired.

*Grades 9-11*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                *Student must be a heritage Spanish speaker*

### **SPANISH II (CP, H, HH)**

This course will continue the process of language acquisition, with a greater development of the past tenses. Using comprehensible input, students will continue to read and listen in Spanish, which will allow them to become more conversational with the language. Students should leave this course at Novice-High (at minimum) language proficiency. This class will address the five Cs of ACTFL national standards: Communication, Connections, Culture, Comparisons, and Community.

*Grades 9-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                *Spanish I*

### **SPANISH II FOR HERITAGE SPEAKERS (H)**

Spanish II for Heritage Speakers is a continuation of the Spanish I for Heritage Speakers class designed specifically for native/heritage speakers of Spanish who already have some oral proficiency. The purpose of this course is to enable students whose heritage language is Spanish to develop, maintain and enhance proficiency in Spanish by providing them the opportunity to listen, speak, read and write in a variety of contexts and for a variety of audiences. The course will allow students to explore the cultures of the Hispanic world including their own, and it will enable students to gain a better understanding of the nature of their own language as well as other languages to be acquired.

*Grades 10-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                *Spanish I for Heritage Speakers; student must be a heritage Spanish speaker; teacher recommendation*

### **SPANISH III (CP, H, HH)**

Students will continue the process of language acquisition, as they are exposed to the natural use of grammar and verb tense through context. Through readings, listening activities, and class discussions, students will acquire structures that will strengthen their ability to produce correct language later, with the goal of reaching intermediate language proficiency at the end of the course. Each Spanish III unit is rooted in the ACTFL standards and UN Sustainable Development Goals, touching on topics that students will be able to carry beyond the classroom.

*Grades 10-12*                      *Elective; 2 semesters, 1 credit*  
*Prerequisites:*                *Spanish II two semester average of 80 or above*

### **SPANISH IV (CP, H, HH)**

This course is taught completely in Spanish and all coursework, without exception, is to be done in Spanish. Spanish IV College Preparatory is the culmination of the four-year Spanish language cycle. In addition to a rigorous, holistic review of tenses and vocabulary, the course is an intensive study of subtleties of expression in Spanish, including idioms, registers of formality, and differences of denotation and connotation. It emphasizes mastery and refinement of speaking, listening, reading, and writing skills. In addition, upon completion of this course, students should demonstrate a high level of cultural literacy. Students are exposed to the world of literature and current events in Spanish-speaking countries through authentic materials.

Spanish IV Honors/High Honors is the culmination of the four-year Honors Spanish language cycle. In addition to a rigorous, holistic review of tenses and vocabulary, the course is an intensive study of subtleties of expression in Spanish,



including idioms, registers of formality, and differences of denotation and connotation. It emphasizes mastery and refinement of speaking, listening, reading, and writing skills. In addition, upon completion of this course, students should demonstrate a high level of cultural literacy. Students are exposed to the world of literature and current events in Spanish-speaking countries through authentic materials.

*Grades 11-12*                      *Elective; 2 semesters, 1 credit*  
Prerequisites:                      *Spanish III*

### **ADVANCED PLACEMENT SPANISH LANGUAGE (AP)**

This course is taught completely in Spanish and all coursework, without exception, is to be done in Spanish. Advanced Placement Spanish Language provides students who have satisfactorily completed Spanish III H or HH with a learning experience equivalent to that of a third-year college conversation and grammar course. In addition to a rigorous, holistic review of tenses and vocabulary, the course is an intensive study of subtleties of expression in Spanish, including idioms, registers of formality, and differences of denotation and connotation. Consistent with the standards established by the College Board, AP Spanish Language focuses on near-native mastery and refinement of listening, speaking, reading, and writing skills. In addition, upon completion of this course, students should demonstrate a high level of cultural literacy. Students are exposed to the world of literature and current events in Spanish-speaking countries through authentic material. All students in the AP class will participate in the College Board Spanish Language Advanced Placement Test. Students are expected to be active in the Spanish Club and/or the Spanish Honor Society. All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grades 11-12*                      *Elective; 2 semesters, 1 credit*  
Prerequisites:                      *Spanish III H or HH; completion of the application process*

### **ADVANCED PLACEMENT SPANISH LITERATURE (AP)**

This course is taught completely in Spanish and all coursework, without exception, is to be done in Spanish. Advanced Placement Spanish Literature provides students who have satisfactorily completed Spanish III H or HH with a learning experience equivalent to that of a third-year college survey of Peninsular and Latin American Literature. The course introduces students to the formal study of a representative body of Peninsular and Latin American texts. Following the list required by the College Board, students read works in chronological order from three distinct periods: Medieval and Golden Age Literature, Nineteenth Century Literature, and Twentieth Century Literature. Because the AP Spanish Literature class approximates an introductory literature course taught at the college level, students are expected to read, write about, and discuss works using Spanish consistent with that standard. Students are expected to be active in the Spanish Club and/or the Spanish Honor Society. All students enrolled in AP classes are required to take the College Board AP exam for that class at the end of the course. Cost of the exam is \$97.00 - \$100.00 and is paid by the student.

*Grades 11-12*                      *Elective; 2 semesters, 1 credit*  
Prerequisites:                      *Spanish III H; completion of the application process*

## **ONE SEMESTER AND PARTIAL CREDIT COURSES**

### **HISPANIC STUDIES**

This course is designed to present a general overview of the cultures and civilizations that have resided in modern-day Spain, from the Bronze Age to the present. A variety of perspectives will be included – among them: geography, history, politics, arts, music, literature, religion, social structure, daily life, and education. The goal is cultural literacy about the birthplace of the Spanish language and its impact on the modern world.

*Grades 10-12*                      *Elective; 1 semester, ½ credit (Social Sciences or World Language and Cultures)*  
Prerequisites:                      *None; upper-beginner level of proficiency in Spanish (Spanish I or equivalent) recommended*

## **LATIN AMERICAN STUDIES**

This course is designed to present a general overview of the cultures and civilizations of Latin America from pre-Colombian times to the present. A variety of perspectives will be included – among them: geography, history, politics, arts, music, literature, religion, social structure, daily life, and education. The goal is cultural literacy about an extremely important area of the modern world.

*Grades 10-12*                      *Elective; 1 semester, ½ credit (Social Sciences or World Languages and Cultures)*  
*Prerequisites:*                      *None*

## **STUDY ABROAD IN FRANCE**

New study abroad experience under development. Cost to be borne by the student.

*Grades 10-12*                      *Elective; 3 weeks, ½ credit*  
*Prerequisites:*                      *Completion of application process*  
*Note:*                                      *This course does not replace the minimum international language requirement*

## **TRAVEL ABROAD ENRICHMENT**

Unlike the three-week Father Ryan High School Study Abroad Programs in France, this course accommodates travel abroad enrichment opportunities lasting 10-12 days. Partnering with an educational travel company, such as EF Tours, World Strides, ACIS, etc., a member of the World Languages and Cultures faculty will organize a group of Father Ryan students and chaperone them during the trip. The travel will enrich an existing curricular offering and is subject to departmental approval. In addition to the academic content inherent in the travel experiences, students are required to turn in a capstone project (such as a journal or video) at the end of the travel program. Cost to be borne by the student.

*Grades 9-12*                      *Elective; travel ¼ credit*  
*Prerequisites:*                      *None*