



**John W. Hallahan Catholic Girls'
High School**

**Course Catalog
2019-2020**

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Dear Students and Parents:

With this catalog of available courses, you now have the opportunity to plan for your next year's high school education. School year 2019-2020 will mark a new start for you and, regardless of your performance in the past, a chance to begin again or continue your good achievements.

Please read the catalog and reflect on it carefully. Choose the courses that best serve your interests and abilities. Don't be afraid to challenge yourself and to seek the best possible educational opportunities for yourself.

The selection of courses requires time, patience, knowledge and analysis. Please seek the assistance of your teachers, parents/guardians, guidance counselor, and the Principal's Office in the decision-making process.

For Classes of 2020, 2021, 2022 ONLY: Your roster will be processed when you have completed the following:

- Payment of registration fee of \$175.00 to FACTS Management. Registration fee will be billed in March.
- Completion of the Online Course Selection Sheet: **DEADLINE: April 12, 2019.**
- Course selection sheet must be printed, signed and returned to the Principal's Office for validation.
- If you are taking JVLA course(s), you will need to write the name of the course(s) on your course selection sheet

Your course selections will be entered into the system **ONLY** when your registration fee is paid and all needed information is completed. (Reminder: Courses fill up quickly and will be closed when the maximum number is reached.)

I hope that you will find planning for a new school year to be an exciting adventure that will help you to fulfill your goals for your education.

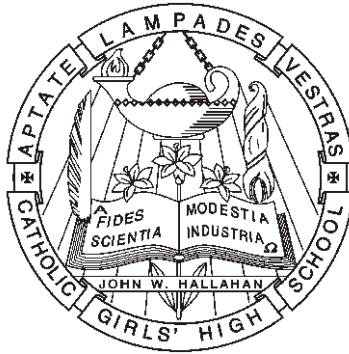
Sincerely,



Michele Beachy
Principal

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Administration

Mrs. Denise Kassekert..... President
 Mrs. Michele B. Beachy.....Principal

Assistant Principals

Ms. Jessica Barlow.....Student Services
 Ms. Gilda Cooper.....Student Affairs

Campus Ministry

Rev. Christopher Lucas.....School Minister

Department Chairpersons

Mrs. Megan McQuoid.....English
 Mrs. Rosanne Betham..... Social Studies
 ..
 Mrs. Maryellen Kelly.....Mathematics
 Mrs. Margaret Goldschmidt.....Science
 Ms. Moira Stanton.....World Languages
 Mr. Anthony Polselli.....Theology
 Ms. Kathleen Melvin.....Director of Guidance

MISSION STATEMENT

Inspired by a rich diversity and ideal center city location, John W. Hallahan Catholic Girls' High School, through a Catholic values centered curriculum, educates women with faith, purpose, and vision.

VISION STATEMENT

John W. Hallahan Catholic Girls' High School develops the intellectual, spiritual, and emotional potential of each student within a diverse Catholic academic community. The Hallahan community works closely with its members to cultivate the leadership potential of each student. Through participation in Hallahan's deeply rooted traditions, rigorous academics, and broad range of engaging activities and service, each young woman is encouraged to develop a vision for her future and is empowered with the faith and skills necessary to become a productive member of the global community

BELIEF STATEMENTS

The John W. Hallahan Catholic Girls' High School community believes that:

- Each student is a unique individual created by God in His image and likeness.
- Through Catholic education, each student develops a personal relationship with God and strengthens her faith.
- Catholic education nurtures self-respect and self-worth in each student.
- A culturally diverse school environment teaches each student her obligation to recognize, respect and appreciate the inherent dignity of all persons.
- An all-girls Catholic education promotes the holistic development of young women: spiritual, intellectual, emotional, and social.
- Catholic education provides a rigorous curriculum that enables the student to think critically, to communicate effectively, and to successfully meet the challenges of the global community.
- Education promotes learning as a lifelong endeavor that responds to the changing needs of society and requires the ethical use of technology and social media.
- Each student, as a witness to the Gospel values, develops civic and moral integrity.
- Our history, diversity, location, and traditions make us unique.

CURRICULUM POLICY

John W. Hallahan Catholic Girls' High School's curriculum policy is derived from the regulations of the Department of Education of the Commonwealth of Pennsylvania, the directives of the School System of the Archdiocese of Philadelphia, and the philosophy and objectives of the school itself.

FRESHMAN COURSES REQUIRED

Language Arts:	English I
Social Studies:	World History I
Mathematics:	Algebra I
Science:	Physics First, Biology (Honors)
Theology:	Theology I
World Languages:	Spanish I, Latin (Honors), French I

FRESHMEN ELECTIVES

Fine Arts choices:	Art I, Instrumental Music, Chorus, Dance
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SOPHOMORE COURSES REQUIRED

Language Arts:	English II
Social Studies:	American Government and Politics
Mathematics:	Geometry, Algebra II (Honors)
Science:	Biology, Chemistry (Honors)
Theology:	Theology II
World Languages:	Spanish II, French II
Physical Education:	One semester
Health:	One semester

SOPHOMORE ELECTIVES

Fine Arts:	Art, Instrumental Music, Chorus, Dance
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JUNIOR COURSES REQUIRED

Language Arts:	English III, Advanced Placement English Language
Social Studies:	Modern American History and Culture, Advanced Placement United States History
Mathematics:	Algebra II, Honors Pre-Calculus
Science:	Chemistry, Physics (Honors), Advanced Placement Biology (alternate year), Advanced Placement Chemistry (alternate year),
World Languages:	Spanish III, recommendation only
Theology:	Theology III

JUNIOR ELECTIVES

Health:	Nutrition
Fine Arts:	Art, Instrumental Music, Chorus, Dance
English:	Creative Writing, Media Literacy/Current Events
Social Studies:	Sociology
Science:	Robotics
World Languages	French I, Spanish III

SENIOR COURSES REQUIRED

English:	English IV, Advanced Placement English Literature
Theology:	Theology IV

SENIOR ELECTIVES

Social Studies:	Comparative Government and Economics, Psychology, Sociology, Genocide Studies
Mathematics:	Advanced Placement Calculus, Pre-Calculus, Algebra III/Trigonometry
Science:	Physics, Environmental Science, Anatomy and Physiology, Forensic Science, Robotics Advanced Placement Biology (alternate year), Advanced Placement Chemistry (alternate year),
English:	Creative Writing, Media Literacy/Current Events
World Languages:	Spanish IV (recommendation only), French I
Health:	Nutrition
Fine Arts:	Art, Art Portfolio, Dance, Chorus, Instrumental Music, Computer Graphics

CREDITS FOR GRADUATION

Twenty-four (24) credits are required to graduate; twenty-six are recommended. Nineteen (19) credits are required as listed below. The remaining five to seven credits are chosen from electives. The following are the minimum* requirements for graduation from John W. Hallahan Catholic Girls' High School.

English	4.00 credits	Theology	4.00 credits
Mathematics	3.00 credits	Science	3.00 credits
Social Studies	3/4.00 credits	Physical Ed.	0.50 credit
Fine Arts	0.50 credit		
Health	0.50 credit		

*Students planning to attend a four-year college need at least two years of one world language. **Each student is encouraged to take seven (7) major subjects each year in order that the maximum benefits may be reaped from her high school education.**

DIOCESAN SCHOLARS PROGRAM

The Office of Catholic Education, in cooperation with the Catholic colleges and universities in the area, offers the opportunity for selected students to take two courses each semester of the senior year on the campus of a nearby participating institute. At the end of the year, an official transcript of credits and grades will be available to the student. The participating scholars will be guests of the college/university; no tuition will be assessed.

COURSE CHANGES

Selection of courses should be done only after serious, careful, and thoughtful consideration. **Therefore, once you choose your courses and they are approved, you will be expected to abide by your decision and NOT request a change.** The following are invalid reasons for course changes and will not be considered:

- dissatisfaction with a course or teacher
- *academic difficulties in a course*
- displeasure with your schedule
- conflict with employment

Your first priority should be your education. Work schedules should be arranged to accommodate your school schedule. **Rosters will not be changed to accommodate an 8th period early dismissal for work.** The only valid reason for requesting a change would be to correct a course assignment for which you are not qualified. If extenuating circumstances warrant an exception to this policy, **the parents and students must accept the course substituted by the school, provided that such a substitution is available.**

CANCELLATION OF CLASSES

The school reserves the right to cancel or postpone any course in which there is inadequate enrollment, lack of physical facilities, or staff. Students requesting such courses will be notified and be asked to make an alternate selection. Any student affected by a course cancellation will be notified once the Master Schedule is complete.

GRADING

The highest report card grade that may be given is 100. The lowest passing grade is 70, and the lowest failing grade is 60.

Excellent (A)	100-90	Superior (B)	89-80
Average (C)	79-73	Passing (D)	72-70
Failing (F)	Below 70		

The school year consists of four quarters. The first and second quarter average is the basis for the first semester grade. The second and third quarter average is the basis for the second semester grade. The final grade for the course is based on 45% of the first semester grade, 45% of the second semester grade and 10% from the final cumulative examination grade. The final examination is given in June.

A mid-term assessment is given in January. Although that assessment is cumulative for the first semester, the first semester assessment only carries the weight of an individual test.

NUMERICAL CONVERSION OF LETTER GRADES

The following indicates the value given for transfer students entering John W. Hallahan High School:

A+	99	A	96	A-	93
B+	89	B	86	B-	83
C+	79	C	76	C-	73
D+	72	D	71	D-	70
F	65				

Honors and class rank will be issued in January and June and are determined by the mid-term grade and final grade, respectively. Students who receive a failure for their final grade must attend Diocesan Summer School.

COURSE DESIGNATORS

While all Hallahan courses are college preparatory, course designators are designed to inform students and parents of the relative difficulty and depth of the class. Some required subjects are offered at various levels of academic difficulty, ranging from advanced or accelerated for outstanding students, to review, refresher, or remedial work for the challenged students. Electives are offered in tracks depending upon the difficulty of the subject matter in relation to the other electives.

- AP** AP refers to courses that utilize the course of study developed by the Advanced Placement Program of the College Board. All students registered in an AP level course are required to take the AP exam in May.
- Honors** Honors refers to college preparatory courses that utilize the course of study for students of high or exceptional ability and work ethic.
- College Prep** College Preparatory refers to college preparatory courses for students of above average ability.
- Academic** Academic refers to college preparatory for students of average ability.

RANK IN CLASS

Rank-in-class considers the level of each course. Leveling enables classes to be taught on the basis of difficulty of subject matter and the readiness of the students taking the subject. The grade is meant to indicate whether or not a student is working to her level; thus students in lower levels can make the Honor Roll just as easily as students in the upper levels. Rank-in-class, however, is determined by an Adjusted Quality Point average which gives greater weight to the more difficult courses in more difficult levels. The student who ranks first in the class has the highest Adjusted Quality Point Average. The weighting is accomplished by assigning quality points to each grade according to the track of the course as detailed in the **Quality Points Table**.

Rank on the report cards shows only the rank for the top 30 students in the class at the end of 1st and 2nd semesters.

ADJUSTMENT TABLE

	Credits		Subtract
	0.00 and 5.00		0.00
	5.01 to 5.99		0.10
	6.0		0.15
	6.01 to 6.99		0.20
	7.0		0.25

Therefore a student who earned 283 quality points in courses worth 7 credits would have the total divided by 6.75 and would receive a quality point average of 41.93.

POWERSCHOOL

PowerSchool is an online grading system available to all Hallahan students and their families. All grades and assignments for each student are posted online. At the start of each year, incoming ninth grade and transfer students are given a login and a temporary password to the site. Parents are encouraged to join the PowerSchool site and have twenty-four hour access to grades, assignments, teacher comments and discipline activity for their Hallahan student

QUALITY POINTS

To compensate for the degree of work demanded in each track, a system of quality points has been devised. For each grade a student receives a corresponding number of quality points, based on the track level of the subject, is given. The total quality points earned determines class rank.

QUALITY POINTS TABLE

AP TR AC K							AP TR AC K						
	5	1	2	3	4		5	1	2	3	4		
100	54	48	44	40	36	79	33	27	23	19	15		
99	53	47	43	39	35	78	32	26	22	18	14		
98	52	46	42	38	34	77	31	25	21	17	13		
97	51	45	41	37	33	76	30	24	20	16	12		
96	50	44	40	36	32	75	29	23	19	15	11		
95	49	43	39	35	31	74	28	22	18	14	10		
94	48	42	38	34	30	73	27	21	17	13	9		
93	47	41	37	33	29	72	26	20	16	12	8		
92	46	40	36	32	28	71	25	19	15	11	7		
91	45	39	35	31	27	70	24	18	14	10	6		
90	44	38	34	30	26	69	23	17	13	9	5		
89	43	37	33	29	25	68	22	16	12	8	4		
88	42	36	32	28	24	67	21	15	11	7	3		
87	41	35	31	27	23	66	20	14	10	6	2		
86	40	34	30	26	22	65	19	13	9	5	1		
85	39	33	29	25	21	64	18	12	8	4	0		
84	38	32	28	24	20	63	17	11	7	3	0		
83	37	31	27	23	19	62	16	10	6	2	0		
82	36	30	26	22	18	61	15	9	5	1	0		
81	35	29	25	21	17	60	14	8	4	0	0		
80	34	28	24	20	16								

HONORS

Honors are awarded on a quarterly basis to recognize outstanding achievement in courses regardless of the student's course load or track. First Honors are awarded to students who have a grade average of 93 with no grade below 90. Second Honors are awarded to students who have a grade average of 88 with no mark below 85.

CUMULATIVE RANK

Cumulative rank in class is based on the average of total quality points accumulated for the number of years the student is in school. This ranking is also accomplished using the average quality point table. Cumulative rank is given only at the final marking periods.

GRADE POINT AVERAGE

Final Course Grade	AP	Honors	Academic
90-100	4.3	4.1	4.0
80-89	3.3	3.1	3.0
73-79	2.3	2.1	2.0
70-72	1.3	1.1	1.0

ACADEMIC SUMMER SCHOOL POLICIES

A failure, which occurs in June, must be made up in summer school. Archdiocesan Policy stipulates that seniors with a final grade failure do not participate in the graduation exercises. Seniors with final grade failures must make up these failures successfully in an approved Diocesan Summer School in order to receive their diplomas; this applies even if the failure was in an elective or Diocesan Scholar course.

Underclassmen with any final grade failures must make up those failures successfully in an approved Diocesan Summer School in order to return to Hallahan High School the following September.

English Department

ENGLISH DEPARTMENT MISSION STATEMENT

The English Department is dedicated to helping all students improve their reading, writing, speaking, listening, and thinking skills. Collaboration and communication are stressed within an atmosphere of Christian respect.

ENGLISH CURRICULUM

The curriculum of the English Department follows the standards recommended by the Archdiocesan English Curriculum Committee, which are the Common Core Standards for English/Language Arts. Students will develop skills in critical reading and thinking, writing, speaking, and listening. While all classes will analyze literature, develop vocabulary, review grammar, and improve writing, the track of each class will determine the pace of instruction and intensity of readings. All students will keep a writing portfolio that will follow them through all four years of high school.

JH1111 HONORS ENGLISH LANGUAGE ARTS I

Critical Reading, Writing, and Speaking supported through Genre Studies

Grade 9

Honors

1 Credit

The honors course is for the exceptional student and is characterized by an accelerated rate and greater depth of study. English Language Arts I is a required course for all ninth grade students. Based on the Common Core Standards, this course provides students with the skills and knowledge to become critical readers and writers by analyzing key ideas and details, craft and structure, and the integration of knowledge and ideas in literature and informational text.

Students will develop their writing skills by examining text types and purposes and by writing arguments, explanatory/informational texts, and narratives. Using the full writing process, students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct short research projects and will participate in a range of collaborative discussions integrating multiple sources of information. This course will advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use.

This course is supported through various literary genre studies.

JH1121 ENGLISH LANGUAGE ARTS I

Critical Reading, Writing, and Speaking supported through Genre Studies

Grade 9

College Preparatory

1 credit

English Language Arts I is a required course for all ninth grade students. Based on the Common Core Standards, this course provides students with the skills and knowledge to become critical readers and writers by analyzing key ideas and details, craft and structure, and the integration of knowledge and ideas in literature and informational text.

to develop real or imagined experiences or events. Students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct sustained research projects and will participate in a range of collaborative discussions and presentations integrating multiple sources of information. This course will further advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use.

This course is supported through various selections in World and British Studies.

JH1321 ENGLISH LANGUAGE ARTS III

Critical Reading, Writing, and Speaking supported through American Studies

Grade 11

College Preparatory

1 Credit

English Language Arts III is a required course for all eleventh grade students. Based on the Common Core Standards, this course provides students with the skills and knowledge to become critical readers and writers by analyzing key ideas and details, craft and structure, and the integration of knowledge and ideas in literature and informational text.

This course will develop the students' writing skills by examining text types and purposes and by writing arguments, explanatory/informational texts, and narratives. Students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct short research projects and will participate in a range of collaborative discussions integrating multiple sources of information. This course will advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use.

This course is supported through various selections in American Studies.

JH1351 ADVANCED PLACEMENT ENGLISH LANGUAGE

Grade 11 only

Advanced Placement

1 Credit

The Advanced Placement English Language course is based on a curriculum approved by the College Board. According to the College Board this course “engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer’s purposes, audience expectation, and subject as well as the way generic conventions and the resources of language contribute to the effectiveness in writing.” Because this course replaces the traditional Honors English III course, the primary focus will be American authors. This course will explore both fiction and nonfiction from the earliest American writers to contemporary writers. Students will be required to read extensively and actively participate in class discussions. Frequent writing assignments will focus on the analytical and evaluative responses necessary to answer Advanced Placement style questions.

Combined AP English Language and AP United States History program:

The requirements for this program are:

- Students must be rising juniors
- Students will be selected into this class based on their Performance Series Reading scores, PSAT Reading and Writing scores, and the recommendation of both their 10th grade English and Social Studies teacher
- The size of this class will be limited to *about* 20 students
- Students are required to take BOTH AP courses (AP English Language and AP United States History)
- Students in AP courses are required to take the AP Exam given in May by the College Board; students are responsible to pay for this test.

JH1420 ENGLISH LANGUAGE ARTS IV

Advanced Critical Reading, Writing, and Speaking

Grade 12

College Preparatory

1 Credit

English Language Arts IV is a required course for all twelfth grade students. Based on the Common Core Standards, this course provides students with the skills and knowledge to become advanced critical readers and writers by analyzing multiple themes, interpretations, and details, craft and structure, and the integration of knowledge and ideas in literature and informational text.

Reinforcing and expanding the writing objectives of the junior year, this course will develop the students’ writing skills by examining text types and purposes and by writing arguments to support claims in an analysis of substantive topics or texts. Students will write explanatory/informational texts to examine and convey complex ideas, and will write narratives to develop real or imagined experiences or events. Students will learn how to produce and distribute quality writing using technology’s capacity to produce, publish, and share writing products. Students will conduct sustained research projects and will participate in a range of collaborative discussions and presentations integrating multiple sources of information. This

course will further advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use.

JH1450 ADVANCED PLACEMENT ENGLISH LITERATURE

Grade 12

Advanced Placement

1 Credit

The Advanced Placement English Literature course is based on the curriculum approved by the College Board. According to the College Board this course “engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work’s style, structure, and themes, as well as such smaller scale elements as the use of figurative language, imagery, symbolism, and tone.” A broad range of literature will be covered in this course: American, British, and World authors of all eras and in all genres. Students will be required to read extensively and actively participate in class discussions. Regular writing assignments will focus on the analytical and evaluative responses necessary to answer Advanced Placement questions. A major research paper based on the critical analysis of literature will be required.

Requirements: The Advance Placement English Literature class will accept a limited number of students. To be rostered for this class a student may be asked to: (1) receive a recommendation from the English III teacher, (2) meet minimum requirements on grade 11 Scantron Performance Assessment and PSAT reading and writing scores, (3) produce a writing sample, (4) make a commitment to scheduled assignments, including summer reading and test prep sessions.

All Advanced Placement students are required to take the Advanced Placement Exam in early May. Students are required to pay the fee for the Advanced Placement Exam.

ENGLISH DEPARTMENT ELECTIVES

Students may choose from the following electives in addition to their regular English class.

JH1521, JH1520 Creative Writing

Grade 11, 12

College Preparatory

1 Credit

This course is designed for students who want to hone their writing skills, collaborate with others, and dissect the work of professional writers. Former students have worked on a variety of interesting projects in this class, including flash fiction, poetry, graphic novels, and performance. Students do not need to have any experience writing creatively; however, students should be willing to participate and work with peers on a daily basis in this workshop style course.

JH1541, JH1540 Media Literacy/Current Events

Grade 11, 12

College Preparatory

1 Credit

This English elective is designed to introduce and develop media literacy. Media literacy is the ability to question, understand, interpret, analyze, and evaluate the content, intent, strategies, and effects of the mass media. Being media literate means that consumers control the interpretation of the media instead of it controlling them. Students will become aware of principles, myths, and

techniques in media, and media literacy terms and concepts. This course will combine study of media with current events to allow students to examine topics such as “fake news” and media bias.

Social Studies Department

SOCIAL STUDIES DEPARTMENT MISSION STATEMENT

Our mission is to help students become good citizens of this world and of the world to come.

SOCIAL STUDIES CURRICULUM

The Social Studies Department recognizes that knowledge of God, one's nation, and the world community of nations is an essential part of education. A person can effectively relate to each of these by developing a set of values that acknowledges the worth and dignity of each human being.

JH2111 HONORS WORLD HISTORY

Grade 9

Honors

1 Credit

This introduction to world history offers a global examination of key themes in human history, Beginning with the birth of civilization and continuing up until modern times. Emphasis will be placed on such topics as cultural diffusion, the growth of civilization the cultural roots of the world's various religions, the development of social, political and economic systems and the role of conflict in world history. Students will acquire skills to analyze and interpret historical events in depth and to apply their understanding to a variety of historical contexts.

JH2121 WORLD HISTORY

Grade 9

College Preparatory

1 Credit

This introduction to world history offers a global examination of key themes in human history, Beginning with the birth of civilization and continuing up until modern times. Emphasis will be placed on such topics as cultural diffusion, the growth of civilization the cultural roots of the world's various religions, the development of social, political and economic systems and the role of conflict in world history. Students will acquire skills to analyze and interpret historical events in depth and to apply their understanding to a variety of historical contexts.

JH2211 HONORS AMERICAN GOVERNMENT AND POLITICS

Grade 10

College Preparatory

1 Credit

This course is a comprehensive examination of the supreme and fundamental characteristics of the American Governmental system. Its study involves the origins, development, principles, organization, powers, functions and actual workings and processes of American Government. This course utilizes critical civic, economic and historical literacy skills to emphasize political theory, philosophy, and the nature of government and how it has impacted the country over time. This course is designed to give a thorough knowledge and deep understanding of the Government of the United States which is essential to all American citizens.

JH2221 AMERICAN GOVERNMENT AND POLITICS**Grade 10****College Preparatory****1 Credit**

This course is a comprehensive examination of the supreme and fundamental characteristics of the American Governmental system. Its study involves the origins, development, principles, organization, powers, functions and actual workings and processes of American Government. This course utilizes critical civic, economic and historical literacy skills to emphasize political theory, philosophy, and the nature of government and how it has impacted the country over time. This course is designed to give a thorough knowledge and deep understanding of the Government of the United States which is essential to all American citizens.

JH2311 HONORS AMERICAN HISTORY AND CULTURE**Grade 11****Honors****1 Credit**

Designed for the advanced student, this course surveys the post-Civil War period to the present. Topics include: industrialization, world power, the Twenties, the Great Depression, World War II, the Cold War, the Vietnam War, and the terms of Presidents Nixon through George W. Bush. The students will evaluate sources of historical information, recognizing different perspectives.

JH2321 MODERN AMERICAN HISTORY AND CULTURE**Grade 11****College Preparatory****1 Credit**

This course surveys the post-Civil War period to the present. Topics include: industrialization, world power, the Twenties, the Great Depression, World War II, the Cold War, the Vietnam War, and the terms of Presidents Nixon through George W. Bush. The students will evaluate sources of historical information, recognizing different perspectives.

JH 2510 COMPARATIVE GOVERNMENT AND ECONOMICS**Grades 12****College Preparatory****1 Credit**

This course examines the history of government, the different and often conflicting theories of government and the various ways in which governments have developed throughout the world. The course will also analyze the basic characteristics and development of economic systems. Utilizing this knowledge, students will analyze the relationship between political and economic institutions in various countries and the effect these institutions have on domestic and international policies.

JH 2411, JH2410 ADVANCED PLACEMENT UNITED STATES HISTORY**Grades 11 only****Advanced Placement****1 Credit**

AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity

and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society.

Combined AP United State History & AP English Language program:

The requirements for this program are:

- Students must be rising juniors
- Students will be selected into this class based on their Performance Series Reading scores, PSAT Reading and Writing scores, and the recommendation of both their 10th grade English and Social Studies teacher
- The size of this class will be limited to *about* 20 students
- Students are required to take BOTH AP courses (AP English Language and AP United States History)
- Students in AP courses are required to take the AP Exam given in May by the College Board; students are responsible to pay for this test.

JH2610 PSYCHOLOGY

Grade 12

College Preparatory

1 Credit

This course focuses on human development from infancy to adulthood with special references to learning, perception, memory and language, thinking, emotional life, and individual differences in intelligence, aptitude, and personality. Emphasis will be on leading researchers in the field and how they have impacted our daily living.

JH2721, JH2720 SOCIOLOGY

Grades 11, 12

College Preparatory

1 Credit

A year-long elective that examines how individuals, groups, and institutions interact to make up the human societies. Current sociological perspectives, culture, social structures, and social inequality will be examined in detail throughout the year. The study people and the roles they play in society, both as individuals and groups will play a major role as we uncover the world in which we live. *Class will run based on enrollment and available staff.*

JH2741, JH2740 GENOCIDE STUDIES

Grades 12

College Preparatory

1 Credit

This elective examines the causes, stages, and consequences of genocide. We will investigate the historical, social, political, and economic factors that foster the development of genocidal ideologies, and the manner in which these ideologies are manifested. Throughout the course, we will focus on primary sources: both historical documents and personal stories. We will explore

specific examples of genocide, including those which occurred in Turkey, Cambodia, Rwanda, and Bosnia as well as the Holocaust. This course is writing and reading intensive. You will regularly practice your writing skills in both formal written assignments and informal reflective pieces; and, we will be reading one book for each genocide that we explore as well as smaller pieces. Students who sign up for this elective must be willing to engage in class discussion, be open to working collaboratively, and be able to work independently. *Class will run based on enrollment and available staff.*

JH 2750 HONORS COMPARATIVE GOVERNMENT AND ECONOMICS

Grades 12

Honors

1 Credit

Designed for the advanced student, this course examines the history of government, the different and often conflicting theories of government and the various ways in which governments have developed throughout the world. The course will also analyze the basic characteristics and development of economic systems. Utilizing this knowledge, students will analyze, on the collegiate level, the relationship between political and economic institutions in various countries and the effect these institutions have on domestic and international policies. *Class will run based on enrollment and available staff.*

Mathematics Department

“Mathematics is the language with which God has written the universe.” Galileo Galilei

MATHEMATICS DEPARTMENT MISSION STATEMENT

The mission of the Mathematics Department is to develop student abilities to think critically, communicate clearly, reason independently, work collaboratively, promote real world applicability and appreciate the relevance of mathematics in their lives. Through a range of courses and learning levels our students utilize physical models, interdisciplinary problem solving and integrating technology in an environment which supports exploration, development and success.

MATHEMATICS CURRICULUM

The Mathematics Department curriculum challenges and supports the student to recognize, appreciate and use mathematics as a base for ongoing relationships with society and God. The mathematics curriculum adheres to the standards established by the Archdiocese of Philadelphia and are aligned with the Common Core Standards of Mathematics. Three secondary level math courses are required. A math elective in the senior year is strongly recommended. The Texas Instrument (TI-83Plus, TI-84Plus, TI-Inspire) graphing calculator is required for all students.

A placement test determines course and level for students new to Hallahan. Tracking for 10th through 12th is based on proficiency in current math course, teacher recommendation and standardized test scores.

Proficiency-based Assessment and Reassessment of Learning Outcomes is a learning and assessment system that emphasizes students attaining “proficiency or better” on a limited set of high value learning outcomes as defined by teachers in the mathematics department. Students are active agents and assume more responsibility for their learning. Teachers adopt instructional techniques to support students’ continuous learning. Grade reflects a progression of attained skills and mastery of Algebra targets.

DIOCESAN CORE CURRICULUM

Based on the Common Core Standards, students enrolled in Algebra I will examine structure in equations, and will create equations that describe numbers or relationships. Students will reason with equations and inequalities abstractly and quantitatively, will solve systems of equations and will represent and solve equations and inequalities graphically. Students will construct viable arguments for their reasoning and critique the reasoning of others.

Based on the Common Core Standards, students enrolled in Algebra II will interpret and build functions, perform arithmetic with polynomials and rational functions, analyze functions using various representations and construct and compare linear and exponential models and solve problems. Students will reason abstractly and quantitatively, will construct viable arguments and critique reasoning of others and will use appropriate tools of mathematics strategically.

Based on the Common Core Standards, students enrolled in Geometry will experiment with transformations in the plane, will prove geometric theorems and will make geometric constructions. Students will understand similarity, right triangles and trigonometric ratios. Students will understand and apply theorems about circles, will express geometric properties with equations, and will use geometric measurement and dimension to solve problems. Students will reason abstractly and quantitatively and will construct viable arguments and critique the reasoning of others.

HONORS PROGRAM

The Honors Program is designed to challenge the highly motivated and/or advanced math student. The four year program culminates with the study of Advanced Placement Calculus. Students entering with an accredited Honors Algebra I score are placed in Honors Algebra II. Traditional students will study Algebra I in 9th grade, while Geometry and Algebra II are studied concurrently in the second year.

JH3111 HONORS ALGEBRA I

Grade 9	Honors	1 Credit
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JH3211 HONORS GEOMETRY

Grade 9, 10	Honors	1 Credit
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JH3201 HONORS ALGEBRA II

Grade 9, 10	Honors	1 Credit
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JH3301 HONORS PRE-CALCULUS

Grade 11	Honors	1 Credit
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This course is designed to prepare the student for Calculus. It includes the continued study of polynomial, rational, exponential and logarithmic functions and their graphs, analytic geometry, trigonometry, techniques of equation solving, sequences and series and probability with statistics. An analytical and graphical approach is taken with an emphasis on problem solving and incorporation of the graphing calculator. Prerequisite: Honors Algebra II

COLLEGE PREPARATORY PROGRAM

Strategies and techniques used to attain proficiency in targeted learning objectives are adapted for the average to high achieving mathematics student. Prior skills are reviewed within the context of the objective. Students who achieve mastery levels in multiple learning objectives may be invited to participate in the Honors Math Program.

JH3121 ALGEBRA I

Grade 9	College Preparatory	1 Credit
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JH3221 GEOMETRY Grade 10, 11	College Preparatory	1 Credit
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JH3321, JH 3210 ALGEBRA II Grade 11, 12	College Preparatory	1 Credit
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ACADEMIC PROGRAM

Strategies and techniques used to attain proficiency in targeted learning objectives are adapted for the average to low achieving mathematics student. Prior course work is reviewed to reinforce learned skills at the introduction of an objective. Students who achieve mastery levels in multiple learning objectives may be moved to College Preparatory level.

JH3141 ALGEBRA Grade 9	Academic	1 Credit
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This entry level algebra course reviews and integrates pre-algebra skills into each learning objective. Strategies and techniques used to attain proficiency in targeted learning objectives are adapted for the low achieving mathematics student. Topics include real numbers, operations and properties, equations and inequalities, functions and the Coordinate Plane, graphing and writing linear equations, ratios and proportions with applications with applications in all areas.

JH3131 ALGEBRA I Grade 9	Academic	1 Credit
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JH3231 GEOMETRY Grade 10	Academic	1 Credit
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JH3331, JH3330 ALGEBRA II Grade 11, 12	Academic	1 Credit
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ELECTIVES

JH3421, 3420 PRE-CALCULUS/TRIGONOMETRY Grade 11, 12	College Preparatory	1 Credit
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The course is designed to prepare the college-bound student for the rigor of post secondary mathematics. Topics include manipulation and solutions of polynomial, absolute value, piece-wise, rational, trigonometric, exponential and logarithmic functions. Graphing calculators are an integral part of the class work. *Prerequisites:* Algebra I, Geometry, Algebra II

JH3430 ALGEBRA III/ TRIGONOMETRY Grade 12	Academic	1 Credit
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The course complements topics introduced in Algebra II and prepares the college-bound student for the rigor of post-secondary mathematics. Topics include manipulation and solutions of

polynomial, absolute value, piece-wise, rational, trigonometric, exponential and logarithmic functions. A graphical and analytical approach is taken with an emphasis on applications. Graphing calculators are an integral part of the class work.

Prerequisites: Algebra I, Algebra II, Geometry.

JH3450 ADVANCED PLACEMENT CALCULUS AB

Grade 12

Advanced Placement

1 Credit

This course adheres to the College Board guidelines for the Calculus AB level and culminates in the student's taking the AB level Advanced Placement Calculus Exam for college credit in May. The course includes the study of limits and continuity, differentiation and its applications, slope fields, maxima and minima, and integration with applications. Graphing calculators are an integral part of the class work. Students are required to take the AP Calculus test at the completion of the course.

Prerequisite: Honors Pre-Calculus and recommendation of the Pre-Calculus teacher.

All Advanced Placement students are required to take the Advanced Placement Exam in early May. Students are required to pay the fee for the Advanced Placement Exam.

JH3550 ADVANCED PLACEMENT CALCULUS BC

Grade 12

Advanced Placement

1 Credit

Calculus BC is a full year course in the calculus of functions of a single variable as described in the College Board guidelines. It includes all topics covered in Calculus AB plus additional topics. The contents 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 are required to take the Advanced Placement BC test at the end of the year.

Prerequisite: Advanced Placement AB and teacher recommendation.

All Advanced Placement students are required to take the Advanced Placement Exam in early May. Students are required to pay the fee for the Advanced Placement Exam.

JH3561, JH3560 STATISTICS

Grade 11, 12

Honors

1 Credit

This introductory course in statistics is designed to prepare students for post-secondary programs in a variety of areas. Topics discussed include gathering, displaying and describing data and relationships, the normal curve, regression, probability, statistical inference and hypothesis test with applications in the real world. Students analyze data using spreadsheets and graphing calculators. *Course is dependent on staffing and student enrollment.*

Science Department

SCIENCE DEPARTMENT MISSION STATEMENT

The Science Department prepares students to enter college level sciences. We educate and instill a moral responsibility with regards to bioethics and to act wisely on issues that will confront them as Christian citizens. In a complex world that relies on technology, students are given the opportunity to understand how the sciences are interrelated and to solve problems in the modern world.

SCIENCE CURRICULUM

The science curriculum has been designed to provide courses for students who are preparing for college. Students are given ample opportunity to understand how chemists, biologists, physicists, and other scientists interrelate to solve problems that are faced today.

We recognize a Catholic atmosphere and moral goodness in all of our teaching and hope to encourage values in the presentation of scientific information necessary for the formation of responsible citizens and Christians.

Each student must complete three science courses (Physical Science, Biology, and Chemistry) during the four years at Hallahan. Students are encouraged to complete four years of science.

JH4121 PHYSICS FIRST

Grade 9

College Preparatory

1 Credit

Physical Science is a course that furnishes students with a basic introduction to chemistry and physics. As the students progress through the semester, they soon realize that chemistry is the foundation for all sciences. In the physics portion of this course, the students will observe the forces of gravity and fluids. They will also develop respect for the power of heat, energy, and electricity. Computer technology is integrated throughout the course. Laboratory reports must be completed and submitted; these are calculated into the course assessment.

JH4131 PHYSICS FIRST

Grade 9

Academic

1 Credit

This course will introduce the student to a variety of physics concepts including but not limited to types of energy, forces, laws of motion, work, power, machines, waves and the metric system. The student will understand and make use of the scientific method, improve problem-solving skills, and develop their critical thinking abilities which will prepare them for upper level sciences. Computer technology is integrated throughout the course as well as math computation and math application. Emphasis is placed on preparation and submittal of laboratory reports through hands-on laboratory activities.

JH4211 HONORS BIOLOGY**Grade 9****Honors****1 Credit**

This course stresses the student's ability to think independently and apply learned principles. Students will investigate various topics in life sciences, including: cellular functions, genetics, taxonomy, basic botany, and the structure and function of the human system. The course curriculum utilizes lab work, lecture, discussions, and computer resources.

JH4221 BIOLOGY**Grade 10****College Preparatory****1 Credit**

This course consists of a comprehensive study of living organisms, both plant and animal, their structure, function, development, and relationships. It includes topics such as: cell biology, genetics, ecology, and classification and diversity of living things. Critical thinking will be developed through the computer laboratory simulations, hands-on laboratory experiments, cooperative learning groups, and classroom discussions.

JH4201 HONORS CHEMISTRY**Grade 10****Honors****1 Credit**

The approach through observation leads to an understanding of such topics as equilibrium, quantitative relationships and thermodynamics. The purpose of this course is to encourage the student to think independently and to form the habit of questioning to verify assumptions by reference to evidence obtained through experimentation. The course places heavy emphasis on the relationship between mathematical and chemical principles.

Prerequisite: Honors Biology, Honors Algebra I

Co-requisite: Honors Geometry, Honors Algebra 2/Trigonometry. Department Chair recommendation

JH4321 CHEMISTRY**Grades 11****College Preparatory****1 Credit**

This course is designed to give insight into the structure of the complex and diverse world in which we live. It is a lecture and laboratory-oriented course leading to the making of discoveries by thinking creatively and solving problems in chemistry. Principles discussed will include the properties and structure of matter, chemical reactions, energy changes, acids, bases, bonding, carbon and its compounds. The students will use the computer to perform laboratory experiments as well as hands-on experiments. Through the use of the computer, the students will reinforce concepts learned. All students are required to complete and submit written laboratory reports which will be included in the course assessment process.

Co-Prerequisite: Algebra 2

JH4351, JH4350 ADVANCED PLACEMENT CHEMISTRY**Grades 11, 12****Advanced Placement****1 Credit**

This course is designed for seriously motivated students who intend to major in a science discipline in college. The course outline follows the guidelines published by the College

Entrance Examination Board. Laboratory work will include qualitative and quantitative analysis of traditional and instrumental methods and selected organic synthesis. A research project is required. Outside readings are required. Students are required to take the Advanced Placement Examination. **Course is offered in alternate years.**

Prerequisite: Honors Chemistry, Algebra II Honors, Department Chair recommendation

All Advanced Placement students are required to take the Advanced Placement Exam in early May. Students are required to pay the fee for the Advanced Placement Exam.

JH4410 HONORS PHYSICS

Grade 11

Honors

1 Credit

Physics is concerned with the relationship between matter and energy. The ultimate goal of physics is to explain the physical universe in terms of basic interactions and simple particles. In this rigorous, mathematics-based course, the students will study mechanics, heat, waves, electricity, magnetism, and nuclear physics. Emphasis will be placed on problem-solving and real-world applications of physical principles.

Prerequisite: Honors Algebra 2/Pre-Calculus and Department Chair recommendation

JH4420 PHYSICS

Grade 12

College Preparatory

1 Credit

Physics is concerned with the relationship between matter and energy. The ultimate goal of physics is to explain the physical universe in terms of basic interactions and simple particles. In this rigorous, mathematics-based course, the students will study mechanics, heat, waves, electricity, magnetism, and nuclear physics. Emphasis will be placed on problem-solving and real-world applications of physical principles.

Prerequisite: Honors Algebra 2/Pre-Calculus

JH4451, JH 4450 ADVANCED PLACEMENT BIOLOGY

Grades 11, 12

Advanced Placement

1 Credit

This course is intended for seriously motivated students who intend to major in a science discipline in college. The course outline follows the guidelines published by the College Entrance Examination Board. Topics include: cell theory, information coding and transfer, nutrition, hormones, reproduction, animal psychology and behavior, and ecology. A research project is required. Outside readings are required. Students are required to take the Advanced Placement examination. Summer assignment is required. **Course is offered in alternate years.**

Prerequisite: Honors Biology, Honors Chemistry, Honors Math 3 years, Department Chair recommendation

All Advanced Placement students are required to take the Advanced Placement Exam in early May. Students are required to pay the fee for the Advanced Placement Exam.

JH4520 ANATOMY AND PHYSIOLOGY

Grade 12

College Preparatory

1 Credit

This course is a general study of the anatomy and physiology of the human organism emphasizing body structure in relation to other various functions from the cellular level to the integrated organ system including biochemical aspects of physiology. Fundamentals of this course will be reinforced through laboratory instruction including microscopy, cat dissection and computer simulations. **All students must participate in dissection of a cat throughout the term.** *Class will run based on enrollment and available staff.*

Prerequisite: Biology, Chemistry

JH4610 FORENSIC SCIENCE

Grade 12

College Preparatory

1 Credit

This course is designed to emphasize the laboratory techniques used by forensic scientists in the analysis of crimes. Techniques studied include analytical chemistry, fingerprinting, DNA analysis, crime scene management, and investigative procedures. Case studies of actual crimes are discussed. Students will learn how to lift latent fingerprints, shoeprints, lip prints, and collect other evidence. They will also learn the rudiments of fiber, hair, and other trace evidence analysis. It is important that our students appreciate the role that forensics plays in modern criminal court cases. *Prerequisite:* Biology, Chemistry, Algebra II

JH4651, JH4650 ADVANCED PLACEMENT PHYSICS

Grade 11, 12

Advanced Placement

1 Credit

This is an intensive course in physics, including advanced topics such as atomic structure and kinematics. Student initiative for extensive individual study and research is emphasized. This course is equivalent to a college freshman course in physics. Students are prepared to take the Advanced Placement examination for possible college credit. This is a Distance Learning course in partnership with Monsignor Bonner-Archbishop Prendergast High School. ***Teacher recommendation required.***

All Advanced Placement students are required to take the Advanced Placement Exam in early May. Students are required to pay the fee for the Advanced Placement Exam.

JH4720 ENVIRONMENTAL SCIENCE

Grade 12

College Preparatory

1 Credit

This course expands the basic principles of ecology and diversity and applies them to the world in which we live. Basic topics such as nutrient cycles, ecosystems stability and diversity, feeding relationships, and the major biome types found on earth are covered. Current issues and literature are incorporated in order to make the student more aware of the world in which she lives. Lab work and computer simulations are part of the curriculum. Outdoor laboratory activities are included in the curriculum to give the student a better understanding of how the condition of the environment relates to the student. Scientific principles learned in previous courses are integrated into the current environmental issues and concerns.

Prerequisite: Biology, Chemistry, Algebra II

JH4751, JH 4750 ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE**Grade 11, 12****Advanced Placement****1 Credit**

Advanced Placement Environmental Science is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of this course is to provide 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 man-made, to evaluate the relative risks associated with these problems and to examine alternative solutions for resolving them. Students are prepared to take the Advanced Placement examination for possible college credit. This is a Distance Learning course in partnership with Monsignor Bonner-Archbishop Prendergast High School. ***Teacher recommendation required***

All Advanced Placement students are required to take the Advanced Placement Exam in early May. Students are required to pay the fee for the Advanced Placement Exam.

JH4811, JH4810 ROBOTICS**Grade 11, 12****College Preparatory****1 Credit**

This course is designed to provide an understanding and introduction to the basic principles of robotics and engineering through classroom and project based learning. It is a team-oriented environment incorporating problem solving and design skills, as well as leadership, organization, communication, and time management experience. Topics are treated as preparatory track for engineering in college. Projects are assigned and expected to be carried out in the prescribed amount of time. Students are required to participate in competitions which may be held on Saturdays.

WORLD LANGUAGE DEPARTMENT

MISSION STATEMENT

Our mission is to foster diversity, respect, and appreciation for other languages and cultures through communication in languages other than English. Language is the universal connector that facilitates cultural understanding.

Curriculum

Language learning is a fundamental aspect of a liberal arts education, and beneficial to any career. Apart from learning the language itself, students are able to gain a better understanding of other peoples and cultures, and find connections with their own culture. As world language students learn effective communication skills in the target language, they will also enhance their critical thinking skills, analytical skills, and their understanding of language mechanics in English. The students will understand the appreciation for a multilingual society, world languages, cultures and global interdependence.

The Latin curriculum gives students an understanding of the foundation of the Romance languages, while focusing on structure, mechanics, and increasing academic vocabulary. The Spanish and French curricula use the “Comprehensible Input” framework. The goal is proficiency in the target language, defined as the ability to communicate appropriately and accurately for a purpose. Students acquire proficiency by listening, reading, writing and speaking in the target language, in context. The courses prepare students for real world interaction, and incorporate cultural connections to create awareness of cultural similarities and differences. Students will learn through stories, short films, pictures, songs, and articles, and will show their knowledge through projects, and through assessments that focus on the four skills in communication: listening, reading, writing, and speaking.

The student’s placement in the first year of the language is based upon her academic record and, if applicable, a diagnostic assessment. Each student is required to complete two consecutive years of one language; however, each student is encouraged to continue on to the third and fourth levels. Teacher recommendation and successful completion in levels I and II are required for level III approval. This process is the same when the student transitions from level III to IV.

JH5411, JH5421 SPANISH I

Grades 9, 10, 11

Honors, College Preparatory

1 Credit

This course develops foundational reading, listening, speaking, and writing in the target language, with the goal of communicating effectively. Students will learn language related to school, food, feelings, animals, sports, fears, and more. They will also learn about those cultural aspects in Spanish-speaking countries, and even specific customs such as bull-fighting, and the debate around it. In addition, they will learn the present tense of regular and irregular verbs, present progressive, reflexive verbs, tú commands, prepositions, object pronouns, adjectives, and more.

JH5511, JH5521, JH5210 SPANISH II**Grades 10, 11, 12****Honors, College Preparatory****1 Credit**

This course builds upon the material covered in Spanish I, with an emphasis on progressively increasing proficiency and gaining fluency in different content areas, while increasing vocabulary, more complex grammatical structures, and cultural awareness. Students will learn language related to dating, immigration, working, superstitions, crime, and tourism, among other topics. They will continue to enhance their fluency of language structures that they created a foundation for in Spanish I, and begin to use past tense as well.

Prerequisite: Spanish I, or equivalent elementary school preparation, above proficient score on Diagnostic Assessment.

JH5611, JH5610 HONORS SPANISH III**Grades 11, 12****Honors****1 Credit**

This course continues to explore the rich cultural mosaic of the Spanish-speaking world through geography, history, food and customs. The student's knowledge of vocabulary, grammar and culture from Spanish I and Spanish II will assist their continued learning at this level. Students will continue to build oral and written proficiency as they incorporate critical thinking skills in the target language, along with more complex structures. Students will be able to use several past tenses: the preterite, imperfect, present perfect, past perfect, and past progressive. This course requires students to enhance their language manipulation skills because of the introduction of various tenses. Students will also present their opinions and ideas through oral presentations using accurate and controlled articulation of the target language; short answer and essay writing using intermediate vocabulary, and intermediate grammar structures with fluid transitions. Prerequisite: Spanish II and teacher recommendation

JH5711, JH5710 HONORS SPANISH IV**Grade 11, 12****Honors****1 Credit**

This course builds on the awareness and appreciation of the Spanish-speaking world through various aspects of the Spanish-speaking world. There is greater exposure to classic, popular and modern Hispanic literature and authors. Highlights of the history, art, and music of Latin America and Spain are presented. Students are required to present their opinions and ideas through oral presentations and essay writing using advanced vocabulary and advanced grammar structures with fluid transitions. This course is designed for students who wish to continue their studies in world languages, or are interested in a bilingual or multi-lingual career.

Prerequisite: Spanish IV and teacher recommendation

JH5311 HONORS LATIN I**Grade 9****Honors****1 Credit**

This course encourages students to appreciate the importance and connection that Latin has to English and to other Romance Languages. The concentration on vocabulary, structure and syntax, helps the development of memory, logical thinking and academic discipline. An

appreciation of Roman history and culture is taught through translation and research. Students are required to complete reading, writing, listening and speaking activities independently, in pairs and in small groups. This course is designed to enhance vocabulary skills with all disciplines. *Prerequisite: Placement based upon elementary achievement.*

JH5321 HONORS LATIN II

Grade 10

Honors

1 Credit

This course is a continuation of Latin I with emphasis on building vocabulary, language mechanics and cultural awareness. This course begins with a quick-paced review of material covered in the foundation course. There also is more emphasis on grammar with examples of Latin prose and poetry along with numerous readings about Julius Caesar, Marcus Tullius Cicero and Vergil. This course requires students to enhance language manipulation because of the large emphasis on grammar. *Prerequisite: Latin I or equivalent elementary school preparation.*

JH5111, JH51110 FRENCH I

Grade 9, 10, 11

Honors

1 Credit

This course is the development of foundational reading, listening, speaking, and writing. Students will participate in independent, pair and group work that focuses on communicating effectively in the target language. Students will learn vocabulary from school to sports and also various culture readings. In addition, they will learn grammar structures such as Present Tense, prepositions, and object pronouns.

JH5211, JH5210 FRENCH II

Grade 10, 11, 12

Honors

1 Credit

This course is a continuation of French I with emphasis on building vocabulary, language mechanics and cultural awareness. New vocabulary is introduced, from food to technology, and culture readings from food shopping to holiday celebrations. In addition, they will continue to build their grammar from Irregular Preterite Tense verbs, Imperfect Tense, Demonstrative Adjectives, and more. This course requires students to enhance language manipulation because of the large emphasis on grammar. *Prerequisite: French I or equivalent elementary school preparation.*

Fine Arts

FINE ARTS DEPARTMENT MISSION STATEMENT

The Fine Arts Department offers a visual and performing arts curriculum to all students at all levels of ability. Our mission is to discover and form the artistic and musical soul within every individual.

FINE ARTS CURRICULUM

The Fine Arts Department includes a variety of courses from which the students may choose. The art major courses are open to all students. **Any student applying for Art 1 must submit a portfolio to the Art Department Chair.** The music major courses are open to all students. No previous experience is necessary. The instruments taught are listed in the catalogue under Music. Students taking Instrumental Music are required to perform in the Concert Band for the entire school year. Chorus is taught once a week after school.

The Fine Arts Department of the Archdiocese of Philadelphia created a secondary education mission statement: “The arts are essential to the human spirit. They inspire, they elevate, and they bring out the potential to create. They are a binding force in a world separated by distrust and prejudice. We firmly believe that every child has a right to an arts education be it through music, visual art, or theatre, or dance. Through the arts, students can experience that which is basic to their humanity: the ability to create, to express, and to appreciate the beauty of God’s creation, the masterpiece of which is themselves.”

JH7111, JH71110 ART I

Grades 9, 10, 11, 12

College Preparatory

1 Credit

This course covers the elements of art – line, shape, color, texture, form, and value. The course is recommended for beginners who have a desire and interest to learn the fundamentals of drawing, painting, sculpture, and printmaking. Art history is incorporated rather than taught separately.

Prerequisite: Submission of an art portfolio to the art teacher

JH7211, JH7210 ART II

Grades 10, 11, 12

College Preparatory

1 Credit

This course will focus on the principles of art - rhythm, movement, balance, proportion, variety, emphasis, and unity in two and three dimensional works of art. Students begin to solve problems using the technique and materials learned in Art I.

JH7311, JH7310 ART III*

Grades 11, 12

Honors

1 Credit

This course is intended for those students who have completed two years of art. It is an informal studio course where students are encouraged to do independent work, and to specialize in developing their own particular styles. Students will explore the human figure, portraiture, cityscapes, and imaginative and experimental drawing using a variety of techniques

JH7510 ART PORTFOLIO*

Grade 12

Honors

1 Credit

This course is offered to those students who intend to go on for higher education in art. It provides the time and facilities for portfolio preparation and instruction geared to analysis and evaluation of the visual arts. Field trips to local museums, galleries, and art colleges will be scheduled.

* *Art III and Art Portfolio Classes* will introduce students to the computer as a medium to create art. Students will use Macintosh computers and Adobe software to create artwork, illustrations, and visual designs. Students will learn the basic elements of graphic design.

JH7610 COMPUTER GRAPHICS AND THE MACINTOSH COMPUTER

Grade 12

College Preparatory

1 Credit

This course is designed to introduce students to the Macintosh operating system and to the digital arts. Students will learn the fundamentals of using a Mac and the introduction to Photoshop, Illustrator, In-Design and movie programs. Emphasis is on becoming familiar with graphic drawing and painting applications, scanning, video images, and printing. No art experience is necessary.

MUSIC CURRICULUM

The music courses are open to all students interested in learning to play a musical instrument. This program is designed to develop instrumental skills and techniques from the beginner level with no music background to the advanced levels of participation. This is a performance course. Participation in all performance programs is mandatory. Weekly lessons are provided for each student during the music class. Supervised practice and ensembles are scheduled during the school day – before and after school. Participation in all performance programs – Christmas and spring Recitals – is mandatory.

The instrumental music program provides students with opportunities to learn to play a musical instrument and to cultivate musicianship. Students become acquainted with a variety of music through the literature that they play. Students begin with basic techniques in reading music and music theory, by attending weekly music theory lessons in the Music and Art Lab where students will complete a series of lessons appropriate for their grade level from the very basic to the most advanced.

Lessons are provided in: Woodwinds, flute, oboe, clarinet, saxophone and bassoon; Brass: Trumpet, Cornet, French horn, Trombone, and Baritone Horn; trumpet, cornet, French horn, trombone and baritone horn; Strings: violin, cello and Bass.

The Music course is co-curricular and is both an academic subject and a school activity. Students with advanced skills may audition for participation in ALL-Catholic Orchestra and Jazz Band. **There is an annual music fee of \$100.00 required for all instrumental classes.**

ATTENDANCE POLICY FOR REHEARSALS AND PERFORMANCES

Each student musician is **REQUIRED** to attend all rehearsals, to arrive promptly, and to remain throughout. Perfect attendance is the recommended goal for each student to attain.

Mandatory Rehearsals

A number of scheduled rehearsals preceding a concert are mandatory. Mandatory means you must attend. Failure to attend the mandatory rehearsals may result in failing the class.

JH7811, JH7810, JH7821, JH7820, JH7831, JH7830, JH7841, JH7840 CHORUS Grades 9,10,11,12 College Preparatory 1 Credit

This course offers instruction in basic music theory, sight singing, and vocal techniques. Varied styles of music for unison through harmony are performed. Repertoire varies from year to year. The Chorus performs at various school functions throughout the school year; participation is required.

JH7121, JH7120 MUSIC I Grades 9, 10 11 College Preparatory 1 Credit

Music I introduces the beginning music students to an instrument of their choosing and presents the basic skills, techniques, and music theory needed to succeed. All of the students will perform in the Annual Spring Concert.

JH7221, JH72210 MUSIC II /III /IV Grades 10, 11, 12 College Preparatory 1 Credit

Music II, Music III, Music IV build upon the basic skills, theory, and techniques learned in Music I. Music theory, presented through the medium of music, develops the recognition of tonality, new and complex rhythms, articulation, expression, dynamics, music styles and literature.

DANCE CURRICULUM

JH7711, JH7710 INTRODUCTION TO DANCE Grades 9, 10, 11, 12 College Preparatory 1 Credit

This course aims to promote good health, graceful presence, moral dignity, and creative enthusiasm. The student will learn the basic fundamentals of dance based on ballet, modern, jazz, and hip hop technique; as well as learn different dance making methods. *Students with extensive previous dance experience can ask for an exemption from the Dance I prerequisite.

JH7721, JH7720 JH7731, JH7730, JH 7741, JH7740 DANCE II/III/IV Grades 10, 11, 12 College Preparatory 1 Credit

This course is designed for students who have completed Dance I or II. The class is structured to offer Ballet twice a week and Modern twice a week, also finding connections to jazz, African, and hip-hop dance. Students explore more their artistic voice through improvisations, reflections, and choreography.

Physical Education Department and Health

PHYSICAL EDUCATION AND HEALTH MISSION STATEMENT

Health and Physical Education are inseparable. The mission is to embrace, guide and assist our youth to fulfill their lives spiritually, emotionally, socially and physically. Health and Physical Education are important studies of the students' high school years to enhance their experience, and maturity.

JH8011 PHYSICAL EDUCATION

Grade 10 **College Preparatory** **½ Credit**

The physical education curriculum provides students with knowledge, skills, and attitudes to acquire physical fitness and lifetime skills necessary for maintaining optimal health. The department supports the philosophy and goals of the total school program by aiding in the development of Christian values through class instruction that stresses honesty, mutual respect, sportsmanship, and lifetime participation.

HEALTH CURRICULUM

The health program continues to teach life lessons while utilizing “state-of-the-art” technology relating to physical and mental health, diseases, safety, nutrition, first aid training, and drug abuse.

JH8021 HEALTH

Grade 10 **College Preparatory** **½ Credit**

The purpose of the health program is to help the student make independent, informed decisions concerning her physical, mental, and social well-being. It encourages the student to discover her unique capability and responsibility for development of attitudes and patterns of behavior that will provide a full and satisfying life. This course will be presented in an online format.

ELECTIVE

JH8101, JH8100 NUTRITION AND PHYSICAL ACTIVITY

Grade 11, 12 **College Preparatory** **1 Credit**

This course is designed to provide a foundation of nutritional knowledge to develop a sustainable pattern of healthy eating. To this will be added a foundation of knowledge related to physical activity and exercise.

Theology Department

THEOLOGY DEPARTMENT MISSION STATEMENT

The courses in theology are intended to lead students to personal integration of faith and life. The courses endeavor to bring the light of Gospel faith to illumine human knowledge, culture, experience, and meaning. The goal of the Theology Department is to arouse individual inner spiritual dynamism for deepening one's intellectual, moral, spiritual, and emotional life. Growth in Christian virtues is the desired outcome.

THEOLOGY CURRICULUM

All theology department courses follow the United States Conference of Catholic Bishops' National Curriculum Framework as implemented by the Archdiocese of Philadelphia.

JH9111, JH9121 THEOLOGY I Introduction to the Catholic Faith

Semester 1

Grade 9

Honors, College Preparatory

½ Credit

This course is a foundation presentation of the basic tenets of the Catholic Faith through the life of Jesus Christ and incorporates doctrinal elements meant to help students understand the person and message of Jesus Christ. He is the living Word of God, the Second Person of the Blessed Trinity. He is the ultimate Revelation about God, from God. Students will delve into the mystery of the person of Jesus and who he calls them to be.

JH9111, JH9121 THEOLOGY I The Revelation of Jesus Christ in Scripture

Semester 2

Grade 9

Honors, College Preparatory

½ Credit

This course helps students understand the Sacred Scriptures. The Bible is the word of God where they encounter the living Word of God, Jesus Christ. Students learn about the Bible, its development and content, and how God is its author. Students focus on the Gospels, where they grow to know and love Jesus more personally.

JH9211, JH9221 THEOLOGY II The Mission of Jesus Christ: The Paschal Mystery

Semester 1

Grade 10

Honors, College Preparatory

½ Credit

This course helps students understand all that God has done for humanity through his Son, Jesus Christ. God has planned, from all eternity, for human beings to share everlasting happiness with Him. This is accomplished only through redemption in Christ. Students inquire about the meaning of being a disciple of Christ.

JH9211, JH9221 THEOLOGY II**Jesus Christ's Mission Continues in the Church****Semester 2****Grade 10****Honors, College Preparatory****½ Credit**

This course helps students understand that they encounter the living Jesus Christ in and through the Church. The Church was founded by Christ through the Apostles. It is sustained by Him through the Holy Spirit. The Church is the living Body of Christ. Students explore the Church as a mystery which has both human and divine elements.

JH9311, JH9321 THEOLOGY III**Life in Jesus Christ****Semester 1****Grade 11****Honors, College Preparatory****½ Credit**

This course helps students understand the moral life. Only in Christ can human beings discover the fullness of life. Disciples of Christ are guided by moral concepts and precepts of Christ and His Church. Students probe these moral teachings and reflect upon their implications.

JH9311, JH9321 THEOLOGY III**Sacraments as Privileged Encounters with Jesus Christ****Semester 2****Grade 11****Honors, College Preparatory****½ Credit**

This course helps students understand that they can meet Christ today in and through the sacraments. Each sacrament, particularly the Eucharist, is a means to a full and real encounter with Christ. Students examine each sacrament in detail so as to learn how they may encounter Christ throughout life.

JH9410, JH9420 THEOLOGY IV**History of the Catholic Church****Semester 1****Grade 12****Honors, College Preparatory****½ Credit**

This course helps students understand the Church's history from apostolic times to the present. The Church, founded by Christ, is sustained throughout history by the Holy Spirit. Students come to know that the Church is the living Body of Christ. It has both divine and human elements. The Church's 2000 year history and how the Church has been guided by the successors of the Apostles are examined.

JH9410, JH9420 THEOLOGY IV

Responding to the Call of Jesus

Semester 2

Grade 12

Honors, College Preparatory

½ Credit

The purpose of this course is to help students understand the vocations of life, how Christ calls us to live. Married life, single life, priestly life, and consecrated life are explored. Students reflect upon what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

Arrupe Visual Learning Institute (AVLI)
Formerly known as Jesuit Visual Learning Academy
(JVLA)

For the 2019-2020 Academic Year

John W. Hallahan Catholic Girls' High School is proud to continue our partnership with Arrupe Visual Learning Institute, formerly the Jesuit Virtual Learning Academy. Through AVLI, Hallahan is able to offer a selection of online courses for the 2019-2020 school year. The courses are offered under three time frames: full-year, fall semester and spring semester. The semester courses are 1/2 credit each and the full year courses are one credit.

WHAT YOU SHOULD EXPECT FROM AN AVLI COURSE LEARNING

Beyond mastering the subject material, our hope for you is that you grow as a learner. Working hard in your online course will help you develop time management skills, discipline, self-advocacy, and more. You will also come to better appreciate your learning strengths and weaknesses, maturing into an independent learner that will serve you well in college and beyond.

INSTRUCTORS

AVLI teachers are seasoned educators. They are certified in the subject area in which they are teaching, and have gone through extensive training in the development and delivery of online courses.

FORMAT

Courses are designed around a series of learning modules that students complete according to a schedule laid out by the teacher. Students will primarily work independently, but they will proceed as a class from one module to the next. Though the delivery will be different, just like the traditional classroom there will be lectures, discussions, projects, reading assignments, and more. Much of the work is done utilizing learning tools (discussion boards, blogs, wikis, group projects) that depend on active participation.

Online Class Meetings

In most courses, there will also be occasions when students gather online synchronously (i.e. at the same time) to collaborate, share perspectives, and/or receive live instruction. These synchronous sessions generally occur around once a week in the evening or on weekends according to a schedule set by the teacher.

TIME COMMITMENT

These courses are designed to be challenging. Students can expect to commit the same amount of time to an AVLI course as they would any other. Five to seven hours of focused attention each week should produce positive results.

CLASSMATES

Your classmates will be young men and women from other schools across North America. The courses are meant to be interactive experiences. As such it is the shared responsibility of all of the class' participants, both students and teacher, to build a rich learning community.

These courses will be scheduled during a "study hall" time period in the library. Students will report to the library or other computer lab for class work. Any student wishing to enroll in a AVLI online course must be approved by the Department Chair of the sponsoring department AND the Principal. Students wishing to apply for an AVLI course must complete the AVLI application available in the Principal's office.

COURSE SCHEDULE

- **YEAR-LONG COURSES: September 5, 2019 thru May 1, 2020**
- **FALL TERM COURSES: September 5 thru December 13, 2019**
- **SPRING TERM COURSES: January 9 thru May 1, 2020**

**ADVANCED PLACEMENT COURSES
AND OTHER COURSES**
**Available online through the Arrupe Virtual Learning
Institute (AVLI)**
**Formerly known as Jesuit Virtual Learning Academy
(AVLI)**

Welcome to the Arrupe Virtual Learning Institute. John W. Hallahan Catholic Girls' High School is making AVLI courses available to you as a means of providing additional course options for you to pursue interests that will help you grow to be your personal best. Beyond challenging course content, an AVLI experience fosters important life skills, and provides opportunities to learn with and from teachers and students from schools across North America.

FULL YEAR ADVANCED PLACEMENT COURSES
YEAR-LONG COURSES: September 5, 2019 thru May 1, 2020

ADVANCED PLACEMENT ART HISTORY

Grades 11, 12

Track AP

1 Credit

This Survey course will cover the history of art from prehistory to the present. Students will study historically significant works of art including architecture, painting, sculpture, and mixed media. Through this course, students will learn to identify, analyze, and discuss artworks from a variety of cultures and stylistic periods. Students who complete this course will be prepared to take the AP examination in the spring. Strong organization and time management skills would be helpful. This class will take up a lot of time, so it is recommended students have room in their schedule for it.

ADVANCED PLACEMENT COMPARATIVE GOVERNMENT AND POLITICS

Grade 11, 12

Track AP

1 Credit

The AP course in Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. Comparison assists both in identifying problems and in analyzing policymaking. politics

ADVANCED PLACEMENT COMPUTER SCIENCE

Grades 11, 12

Track AP

1 Credit

PREREQUISITES: Students should have successfully completed one course in a programming language such as C, C++, Visual Basic, Net, or Java. Moreover, students should know how to edit, compile, and run a program.

This course is a college level introduction to object-oriented programming in Java. Students will

focus on a problem solving approach designed to focus attention on programming algorithms and data structures. Students will be fluent in the syntax and logic structures of the Java programming language as well as familiar with the Java API. Students will attempt difficult programming challenges, reflect on these exercises, and share their discoveries with their peers. In the spring, students will be eligible to take the AP Computer Science A Exam offered by the College Board at their school. This class will take up a lot of time, so it is recommended have room in their schedule for it.

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

Grade 11, 12

Track AP

1 Credit

PREREQUISITES: Chemistry and Biology

The goal of the AP Environmental Science course is to provide 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 alternative solutions for resolving and/or preventing them. Labs will be coordinated with the student's brick-and-mortar school. In the spring, students will be eligible to take the AP Environmental Science Exam offered by the College Board at their school. This class will take up a lot of time, so it is recommended that students have room in their schedule for it.

ADVANCED PLACEMENT MUSIC THEORY

Grades 11, 12

Track AP

1 Credit

This course is designed for students with a serious interest in music and is especially recommended for those considering a career in music. Topics to be studied include scales, intervals, key signatures, chords, rhythmic notation, and four-voice realization of figured bass symbols, sight-singing, and melodic dictation. There will be periodic quizzes, part-writing assignments, and listening assignments. Students who have completed this course will have a thorough understanding of the elements of music, improved listening skills and are encouraged and eligible to take the AP Music Theory Exam in the spring. This class will take up a lot of time, so it is recommended students have room in their schedule for it.

ADVANCED PLACEMENT PSYCHOLOGY

Grades 11, 12

Track AP

1 Credit

AP Psychology is a general introduction, similar to a first-year college course. The course surveys the major topics of psychology, including: Psychology's early history to the present, neuroscience and behavioral genetics, sensation and perception, cognition (memory, intelligence, and language), motivation and emotion, states of consciousness, learning, development, personality, research methods, social dynamics, psychological disorders, and therapeutic methods. A

ADVANCED PLACEMENT SPANISH LITERATURE AND CULTURE

Grade 12

Track AP

1 Credit

Following the College Board curriculum, this course is "designed to provide students with a

learning experience equivalent to that of an introductory college course in literature written in Spanish. The course introduces students to the formal study of a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature. The course provides opportunities for students to demonstrate their proficiency in Spanish across the three modes of communication (interpersonal, interpretive, and presentational) and the five goal areas (communication, cultures, connections, comparisons, and communities) outlined in the Standards for Foreign Language Learning in the 21st Century. The overarching aims of the course are to provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills — with special attention to critical reading and analytical writing — and to encourage them to reflect on the many voices and cultures included in a rich and diverse body of literature written in Spanish.”

ADVANCED PLACEMENT STATISTICS

Grades 11, 12

Track AP

1 Credit

This course prepares students to take the Advanced Placement national examination in elementary statistics. It develops an intuitive, non-calculus based understanding with an emphasis on doing statistics. Statistics makes sense of data. It consists of a set of tools that allow for inferences in the face of uncertainty. Statistical methods draw from the Gaussian (normal, bell shaped) distribution as well as the binomial and chi-square distributions. Statistical management consists of data description concepts, hypothesis testing, probability, discrete and random variables, several inferential techniques, regression, and how to plan and carry out a properly designed statistical analysis.

ADVANCED PLACEMENT WORLD HISTORY

Grades 10, 11, 12

Track AP

1 Credit

AP World History is structured around the investigation of key course themes and concepts in six different chronological periods, from approximately 8000 B.C.E. to the present. These themes, examined across cultures and time periods, include: Interaction between humans and the environment; Development and interaction of cultures; State-building, expansion and conflict; Creation, expansion and interaction of economic systems; Development and transformation of social structures.

ONE SEMESTER ADVANCED PLACEMENT COURSES **FALL TERM COURSES: September 5 thru December 13, 2019**

ADVANCED PLACEMENT MICROECONOMICS

Grades 11, 12

Track AP

0.5 Credit

How should faithful Catholics think about economics? This course integrates selected themes from the Neo-Scholastic School of economics with the content of the Advanced Placement economics syllabus in microeconomics. The course prepares students to do well on the AP Microeconomics exam as well as offer a way to view our redeemed creation through the prism of social science. The economic way of thinking does not begin with Adam Smith. It is based on insights from Aristotle, St. Augustine, St. Aquinas, the Jesuit and Franciscan theologians at the

University of Salamanca in Spain during the sixteenth and seventeenth centuries, and on the Popes' social encyclicals. Developing an understanding of basic economic concepts and analytic tools by anchored to our faith's moral traditions and foundations.

ADDITIONAL AVLI ELECTIVES
FULL YEAR COURSES

YEAR-LONG COURSES: September 5, 2019 thru May 1, 2020

Arabic Level 1, Level II (Registration deadline: May 15, 2019)

Grades 10, 11, 12

Honors

1 Credit

This year long course (for students with little or no prior knowledge of Arabic) combines the study of the Arab language with an introduction to Arab-speaking cultures. Students will gain practical experience in speaking Arabic with proper pronunciation to acquire basic conversational skills on topics, such as, greetings, shopping, and travel. Moving from English language-centered to an Arabic-centered class, students will learn basic vocabulary and sentence patterns used in daily life and social interaction. Cultural notes will be given along with speaking practice necessary for interpersonal communication.

Italian Level 1, Level II

Grades 9, 10, 11, 12

Honors

1 Credit

The curriculum includes an introduction to the basics of conversational Italian, including nouns, regular and irregular verbs, and basic conversations from Italian to English and English to Italian. This course will be team taught by an Italian teacher in the United States and an English teacher in Italy. Students will communicate in Italian with native speakers in Italy. Successful completion of Italian 1 is a prerequisite for admission into Italian 2, 3, and AP Italian.

FALL SEMESTER COURSES

FALL TERM COURSES: September 5 thru December 13, 2019

C++ Programming

Grades 10, 11, 12

Honors

0.5 Credit

This course will introduce students to computer programming using the C++ programming language. C++ is a programming language used in many applications, across many different industries. Through this course, students will learn the basic syntax necessary to write a computer program. They will learn how to attack a problem using the proper planning techniques. Students will learn about control structures, loops, procedures, arrays and much more. Another important aspect of this course is learning how to collaborate with other students. Each student will be put in a group of 3 and will work together to meet the objectives of the module. Collaborating with other students is essential to success of students in this course, as well as a much needed life skill.

Digital Photography
Grades 11, 12

Honors

0.5 Credit

Digital Photography is a semester course designed for beginning photographers. Students will learn the basics of photography and fine-tune their camera skills. The course will also cover composition and the principles of design that work to create an aesthetically pleasing photo. The course will not cover photo editing and retouching, but will focus on getting good images that don't need editing. **Students must have a Digital SLR camera.

Introduction to Business and Entrepreneurship

Grades 11, 12

Honors

0.5 credit

So you think you might want to start your own business. There's more to it than you might think! This course introduces the fundamental components of business – from operations, management, and IT, to accounting and finance, to marketing and sales. From there we will look at the entrepreneurial journey from identifying an idea, to building a presence in the marketplace, and financing the dream. Finally, you will put all of this to practice by building a business plan for a simple product or service of your choosing.

Law and Society

Grades 11, 12

Honors

0.5 credit

Law & Society features the study of the political nature of state and federal level courts, while paying particular attention to contemporary issues related to the judiciary. The course will provide a foundation for legal study through surveying 1) the historical development of the courts, 2) controversial issues surrounding the essence of court authority, 3) state and federal court structures and operations, and 4) case study areas related to civil rights and liberties. Students will have the unique opportunity to become acquainted with fundamental aspects of the American legal system, and be afforded educational exposure to issues applicable as both citizens and students in the historical field of law. Class methods will include discussion, lecture, case-summary writing, historical research, and other related techniques. Note: this course is not designed to be the basis of professional legal training. It is a general survey course designed to provide students with historical and contemporary practical learning material.

Model United Nations/International Relations (MUNIR)

Grades 11, 12

Honors

0.5 credit

Model United Nations is an educational simulation and academic competition in which students learn about diplomacy, international relations, and the United Nations. International Relations is an academic course designed to examine the behavior of nations and states both individually and collectively. When you combine the two—that is, using the Model UN platform to examine the state of International Relations today, you have an interesting, intriguing, and fun way to enhance both your perception of global issues and your position as a citizen of your country and the global community. This is not a course that will drown itself in theory. Rather, it is designed to offer opportunities for students to study modern global issues, and the positions and

interactions of nations and states, through research, simulations, discussion, and written assignments. Students are assigned a country at the beginning of the semester and represent that country during simulations, constructing position papers, resolutions, and amendments. Several seminars encourage students to participate in online discussion Go to Course List to resolve, or perhaps merely to understand better, an issue. Since committee work is such a vital part of the course, significant online interaction via email, video conferencing, or texting is a must for success. Simulations are based on the United Nations format.

Multimedia Authorship – The Power of Words and Images
Grades 11, 12

Honors

0.5 Credit

This course aims primarily to develop communication skills through student expression of his or her ideas using multimedia technology. Students will study models of multimedia composition used by professional and student writers. Students will develop a critical awareness of the language of multimodal composition and will examine issues related to digital intellectual property rights. The semester will culminate with each student producing an original, substantive multimedia project on a topic of the student’s choice. Students will be introduced to the HTML programming language as well various open-source/freeware and commercial web editing tools. Effective web site template design will be covered as well. The web design student will create a podcasting environment that is functional and interactive.

Playing with Legos: An Introduction to Computer Programming Through Lego Building
Grades 10, 11, 12

Honors

0.5 credit

This project-oriented course is designed for students with no previous computer programming experience who want to learn the fundamentals of coding through an interactive graphics-oriented environment called Bricklayer. Using virtual bricks (i.e. Legos) to build progressively sophisticated 2D and 3D models, students will learn basic coding concepts such as functions, parameters, conditional expressions, basic data structures, and debugging. The culminating student project will be a 3D artifact that will be imported for viewing in Minecraft. (PC or Mac Computer required.)

Principles of Engineering
Grades 11, 12

Honors

0.5 Credit

Students explore principles of engineering in four main units; energy and power, materials and structures, control systems, and statistics and kinematics. Students work together in groups to design systems that incorporate principles of engineering, including mechanisms, energy sources, and application problems. Selection Criteria: Standardized test scores, recommendation of math department. Prerequisite: Algebra II

SPRING SEMESTER COURSES
SPRING TERM COURSES: January 9 thru May 1, 2020

ADVANCED PLACEMENT MACROECONOMICS

Grades 11, 12

Track AP

1 Credit

How should faithful Catholics think about economics? This course integrates selected themes from the Neo-Scholastic School of economics with the content of the Advanced Placement economics syllabus in macroeconomics. The course prepares students to do well on the AP Macroeconomics exam as well as offer a way to view our redeemed creation through the prism of social science. The economic way of thinking does not begin with Adam Smith. It is based on insights from Aristotle, St. Augustine, St. Aquinas, the Jesuit and Franciscan theologians at the University of Salamanca in Spain during the sixteenth and seventeenth centuries, and on the Popes' social encyclicals. We develop our understanding of basic economic concepts and analytic tools by anchoring them to our faith's moral traditions and foundations.

Astronomy: An Introduction

Grades 11, 12

Honors

0.5 Credit

At some point in our lives, each of us has gazed at the night sky in awe of its sheer magnitude. While we have learned much about our planet and its relationship to other celestial bodies, in many ways, the cosmos is the last great frontier. But how did it come to be? How large is it? How much do we know about the universe versus what remains to be discovered? This course provides an introduction to the solar system, stars, the interstellar medium, the galaxy, and the universe. It is also designed to force students to think like scientists – separating fact from theory, studying relationships between objects in search of patterns, and more. Please note that Astronomic principles are grounded in Physics (which is largely grounded in Mathematics). Though students need not have studied Physics previously, they should be prepared to work within this discipline. Go to Course List B

Bioethics: Navigating the Ethical Dilemmas of our Future

Grades 11, 12

Honors

0.5 Credit

This course is a general introduction to ethical theory and reasoning and its application to a number of hot current world issues, with particular emphasis on bioethics (moral dilemmas of modern biological and medical fields). It begins by addressing the question, why do ethics and moral decision-making matter at all in a world we see operating so frequently without them? It surveys major ethical paradigms (common-good ethics, rights ethics, virtue ethics, and ethical relativism) and considers how each can help and hinder our pilgrimage to responsible, life giving choices for us and for our larger human family. Respectful consideration of opposing viewpoints, including the official teachings of the Catholic Church, is a hallmark of the course. By the end of the course, students should be able to manage some real cases on a committee of fellow ethicists using the vocabulary germane to ethicists in hospitals today.

Computer Game Development
Grades 10, 11, 12

Honors

0.5 Credit

This course explores the process of game development, the principles of game design, styles/genres of computer games, techniques for game software engineering, and information about the computer game industry. Emphasis will be on pragmatic advice for game designers, together with techniques for game balance and analysis. Students will design and playtest a game as a course project. Group work is emphasized, especially the importance of collaboration between technical and artistic efforts. Students are expected to participate in game development using appropriate game development tools.

Bioethics

Grades 11, 12

Honors

0.5 Credit

The purpose of this course introduces students to bioethics as an interdisciplinary subject through critical thinking, writing, and discussing contemporary issues. Bioethical thinking is neither biology nor ethics but, rather, a melding of both. Interdisciplinary thinking is solidly rooted in the processes of scientific thinking and, simultaneously, is solidly rooted in the processes of philosophical and theological thinking. As the piers of a suspension bridge stand solidly on firmament to support the span between them, so also do the disciplinary ways of knowing biology and ethics serve as solid foundations to support the interdisciplinary thinking of bioethics.

Database Development for Real World Problems (Registration Deadline – 15 May 2019)
Grades 11, 12

Honors

0.5 Credit

This course introduces students to Microsoft Access in order to teach database and programming concepts and will show how to use Access as a real world problem-solving tool through the building of an actual database. Access is part of the Microsoft suite and allows you to organize, manage, collect, analyze, and report on data using ‘objects’ within Access that you learn to design and build. Students will organize and develop a database throughout the course based on an idea from their school or personal life. Past students have built databases on topics as wide ranging as tracking and rating recipes, entering college applications and showing college acceptance/financial aid, and rankings of different brands and types of audio headphones.

POST SECONDARY EDUCATION

Four Year Colleges and Universities

Most four year colleges require a strong academic high school preparation consisting of the following:

English	4 Credits
Mathematics	3 Credits (Algebra 1, 2, Geometry, minimum)
World Language	2 Credits (3-4 recommended)
Science	3 Credits with lab (4 recommended)
Social Studies	3 Credits

The above are the general requirements for most academic programs. For specific details, college catalogs and handbooks, available in the Guidance Office, should be consulted.

All college applications are processed through the Guidance Office. However, prior to submitting college applications, tuition payments must be current.

The **PSAT/NMSQT** is a standardized test that measures developed verbal and mathematical reasoning abilities important for academic performance in college. All juniors, sophomores, and freshmen take this test, which is administered at John W. Hallahan Catholic Girls' High School in early October. The PSAT taken in junior year is the qualifying test for scholarships awarded by the National Scholarship Corporation.

The **SAT** is an admission requirement for most colleges. This test should be taken for the first time in the spring term of the JUNIOR year (March, May, or June) and again in the fall term of the SENIOR year (Oct., Nov., or Dec.).

The **SAT II**, subject tests, are required only by certain colleges. If necessary, this test should be taken by January of the senior year.

The **ACT** test may often be taken in place of the SAT; more information is available in the Guidance Office.

Two-Year Colleges, Community Colleges, and Nursing Schools

The two-year college or community college program provides an excellent alternative for the student who desires a two-year program, or an associate degree. It is also for the student who may be unsure of her major or who may have financial concerns about attendance at a larger university. Many programs may be started at the community college level with credits transferable to a four-year school, resulting in a four-year degree or a bachelor's degree.

Similar to four-year schools, admissions offices of two-year colleges, community colleges, and nursing schools also consider a student's academic record to be important. Consistent effort should be given to the establishment and maintenance of a strong academic record from freshman through senior years.

Guidance

The staff of the Guidance Office assists students in making informed decisions for the selection of a college or career, and for planning for financial aid for higher education. This is accomplished through: a series of personal interviews; developmental guidance units; classroom presentations; student/parent events, such as: college information nights, financial aid nights, and college fairs, Internet access at other high schools.

Other services provided through the Guidance Office include:

CORA counselors provide personal counseling and assessment of learning skills.

PARENT-TEACHER INTERVIEW GUIDE

Preparation Points:

- Be aware of what a teacher's expectation level is for this class. Most teachers give out a course profile on "Back to School Night" held in September.
- Ask your child if all assignments have been completed and handed in on time.
- Ask your child for all test, quiz, written homework, class or group assignment, seat work, lab, notebook and project grades. (Nothing a teacher tells you should come as a surprise to you.)
- Ask your child if they understand how the quarter grade is determined by the teacher.
- Ask the teacher exactly how the quarter grade was determined.
- Bring a list of questions you want answered in the interview.
- You are encouraged to bring your child to the conference, especially if she is not doing well in that subject.
- Ask the teacher if all your child's assignments have been completed and handed in on time. Compare information with the teacher about grades for test, quizzes, etc.