



**MIDDLE & HIGH SCHOOL
PROGRAM OF STUDIES**

2023-2024

**4211 N. Okatie Highway
Ridgeland, SC 29936**

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Program of Studies

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Mission Statement

John Paul II Catholic School educates students of all faiths in a caring, Christ-centered environment. We prepare students to be scholars with a soul in accordance with the traditions of the Catholic faith and through the intentional commitment to our core values of service, high expectations, innovation, excellence, leadership, and discipleship.

Core Beliefs

Our S.H.I.E.L.D.

Service

We know, love and serve God by loving and serving others.

High Expectations

We set high expectations for academic excellence and respectful behavior.

Innovation

We inspire creativity to innovate and solve problems in new and meaningful ways.

Excellence

We strive to do our best in the classroom, on the field and stage, and modeling a Christian lifestyle.

Leadership

We empower students to be courageous Christian leaders.

Discipleship

We form intentional disciples who follow Jesus Christ.

Philosophy

As a Catholic diocesan school, John Paul II participates in an established tradition of faith formation, community engagement, and academic excellence where the dignity of every person is recognized. To fulfill our mission as community educators, teaching methods are designed to reach a wide range of abilities and circumstances. Education is viewed as a holistic process that utilizes a faith community of parents, pastors, and faculty to model Christian behavior and encourage intellectual curiosity. This holistic approach creates confident, reflective, and engaged students who are prepared to meet contemporary issues with a global perspective that reflects Catholic moral teachings.

Academic Program

The college preparatory curriculum of John Paul II is offered at three instructional levels: College Preparatory (CP), Pre-AP/Honors, or AP/College Credit. Academic Administrators reserve the right to place students in the appropriate level course based on standardized test

scores and previous academic performance. Courses offered at John Paul II create a foundation for students to be successful in college and life. On completion of the twelfth grade, students are awarded a certificate of graduation provided he or she fulfill minimum graduation requirements from John Paul II Catholic School.

Graduation Requirements

John Paul II Catholic School (JP II) is a diocesan secondary school accredited by Cognia and is a member of the South Carolina Independent School Association (SCISA). It is the responsibility of each student to meet the standards for high school graduation set by John Paul II Catholic School, the Diocese of Charleston, and the South Carolina Department of Education.

To receive a JP II diploma, students must complete eight semesters of high school, attend the Senior Retreat, and earn the following credits:

Credits	Academic Discipline	Requirement
4	Theology	A theology course is required each year of attendance at JP II.
4.5	English	An English course is required each year in grades 9-12. The 4 credits must include English I, II, III or AP Language and Composition, and English IV or AP Literature & Composition.
4	Mathematics	A math course is required each year in grades 9-12. The courses must include Algebra I or Foundations in Algebra, Geometry, Algebra II or Intermediate Algebra, and one additional course beyond Algebra II.
4	Science	Courses must include Biology and Chemistry or Physics. Note: Some colleges require 4 years of lab sciences.
3	Social Studies	Courses must include U.S. History or AP U.S. History, U.S. Government or AP U.S. Government, and Economics.
3	World Languages	Must be of the same language.
0.5	Health	
0.5	Physical Education	A student may earn a maximum of 0.5 credits in P.E. by participating in a JP II team sport.
1	Technology	
1	Fine Arts	
3.5 (min)	Electives	Credits earned beyond the minimum requirements listed will fulfill the Electives requirement. Additional courses in all subjects will be considered Electives.
29	Total Credits Required for Graduation	

In addition to the above academic requirements, a graduate of John Paul II Catholic School must complete the required number of service hours and complete his or her Senior Project.

High School Credits Earned in Middle School

Currently at John Paul II, middle school students may earn high school credits in math, English, and world languages. Credit earned in eligible courses will be included on the student's high

school transcript and will be used to calculate his or her cumulative GPA unless the student elects to retake the course upon entering ninth grade. If the student chooses to retake a course, only the retake grade will be used in figuring the student's GPA, and only the retake attempt will appear on the transcript. This policy will apply whether the retake grade is higher or lower than the grade the student previously earned. This policy is implemented to allow higher achieving students the opportunity to schedule advanced courses in high school. It does not permit a student to complete his or her requirements early.

Regardless of the number of credits earned entering grade nine, a student must complete four years of high school, with a minimum number of 29 credits accumulated, to receive a JPII diploma.

Transfer Credits

Grades of students transferring to JPII from an accredited secondary institution outside of South Carolina will be converted to correspond with the South Carolina Uniform Grading Policy (SCUGP). If numerical averages are provided, those averages must be used in converting the grades to the student's JPII record. If letter grades with no numerical averages are provided, this conversion will apply: A = 95, B = 85, C = 75, D = 70, F = 69. If the transcript shows that the student has earned a grade of P (passing), that grade will be converted to a numerical designation based on information secured from the sending institution as to the appropriate numerical value of the P. If no numerical average can be obtained from the sending institution, the student's cumulative transfer GPA will be calculated, and the corresponding number equivalent will be assigned to replace the P.

Policy Governing Repeating a Course for Which Credit Was Earned

Students in grades nine through twelve may retake a course that they have previously received credit at JPII or another institution if they earned a D or an F in that course. The course must be at the same level of difficulty and the retake must be completed prior to the end of the next academic year and before the student enrolls in the next sequential course. If a student fails a required course, it must be retaken in order for the student to gain the needed credits for graduation.

The course may be taken at JPII or through an administratively approved service. If the student receives permission from school administration to retake the course with an approved outside provider, the parents or guardian and student must sign a binding contract that stipulates provider, course, payment, and recording details.

The earned retake grade will not replace the student's previous earned grade. The student's official transcript and cumulative GPA will reflect all courses taken and all grades earned in grades nine through twelve.

Students who fail one or more required courses for graduation may not be invited to return to John Paul II Catholic School.

Policy Governing Honors and pre-AP Courses

Honors and pre-AP courses usually offer the same curriculum as regular college-prep courses but are more demanding, requiring in-depth study of content, completion of extra projects, and learning at an accelerated pace. Grades for honors and pre-AP courses are weighted more than regular courses, but less than AP and College Credit courses, as mandated by the South Carolina Uniform Grading Policy.

Students who wish to challenge themselves with an honors or pre-AP course should consider the demanding nature of the course and grades earned in previous courses in the subject area before requesting admission to the course. Seventh grade students taking a pre-AP course must score in the 90th percentile or better on standardized assessments and have earned grades of 90 or better in previous grade in either English or math.

Seventh through ninth grade students who are new to JP II must sit for a placement test. These tests results, along with incoming assessment scores, grades, and an interview, will be utilized by JP II administration to determine academic placement.

Policy Governing Advanced Placement

Advanced Placement (AP) is a program created by the College Board which offers college-level curricula and examinations to high school students. American colleges and universities may grant placement and course credit to students who obtain high scores on the examinations. The AP curriculum for each of the various subjects is created for the College Board by a panel of experts and college-level educators in that field of study. For a high school course to have the designation, the course must be audited by the College Board to ascertain that it satisfies the AP curriculum. If the course is approved, the school may use the AP designation.

AP classes can be as challenging as introductory college courses. They are fast-paced, cover more material than regular classes, and require independent work such as research and analysis. Some AP classes have recommended courses which a student should take first, and all AP courses require that a student is willing to do his or her best work. Getting a dose of a college-level curriculum early on can ease the transition from high school to college. Taking AP is a sign that a student is willing to take on the academic challenge of college-level work and expectations.

Each Advanced Placement course culminates in a corresponding AP exam which is centrally scored by Advanced Placement teachers and college instructors from around the world. **The families of AP students will be financially responsible for the fee incurred for each AP exam administered.**

Grades for AP classes are weighted the same as College Credit courses, as mandated by the South Carolina Uniform Grading Policy.

Policy Governing Online Courses

Online courses can be a good choice for students who wish to expand study in subjects that are, for one of the reasons listed here, unavailable to the student at John Paul II. Since online courses are treated as independent study, students approved for online courses must demonstrate effective organizational skills and the ability to work independently. Online schools must meet the standards of John Paul II's academic program. Students and their families will be responsible for any financial obligation associated with online courses unless JP II administration directly publishes otherwise. Students must petition the Assistant Principal and the Principal for course approval. Upon approval, students, parents or guardians and the Assistant Principal must sign an agreement that stipulates provider, course, grade acceptance, credit acknowledgement, and payment specifics. Students petitioning for online eligibility must demonstrate one of the following criteria:

1. Students experiencing schedule impediments that cannot be rectified at John Paul II and may cause delays in completing necessary requirements for graduation may take an approved online course for credit.
2. Students who have advanced beyond a subject level currently offered at John Paul II may take approved online courses.
3. Students who wish to take a course not offered at John Paul II but who have either met or will meet projected credits necessary for graduation, may take an approved online course.
4. Students who wish to retake a course for which they made a "D" or an "F" may take approved online summer courses for credit.

Grades from the online institutions may be accepted at JP II for graduation credit pending JP II administrative approval. Administration at JP II reserves the right to determine the appropriateness of the online course/school. The following rules will apply to the courses that are approved and the grades/credit which will result in such partnering.

1. Students, parents or guardians, and the Assistant Principal will sign a Grade Acknowledgment Waiver that informs the student of course grade implication and binds the student to course grade acceptance.

2. The Carnegie Units assigned to a selected course are designated by the Assistant Principal before course approval and specified in the Grade Acknowledgement Waiver.
3. Courses from Administrative Approved Institutions will clearly designate Academic and NCAA accreditation on the Grade Acknowledgement Waiver. Some courses do not carry these designations and understanding the implications of choice is the student/parent responsibility.
4. JPII will not assume responsibility for course outcome. Students and their parents or guardians must understand all implications of course grades and waive JPII responsibility if the student does not perform well.
5. A partner teacher or academic dean will meet occasionally with the student to monitor student progress.
6. The academic dean or partner teachers are responsible for submitting grades that the student has received according to the assessments given by the on-line course.

Policy Governing Dual Enrollment/College Credit Courses

Students who meet eligibility requirements may petition the administration for permission to enroll in courses at the University of South Carolina Beaufort or the Technical College of the Lowcountry for both college credit and high school credit. In order to be considered for high school credit, the specific course(s) must be preapproved by JPII administration before the student enrolls in the course. A maximum of 4 Carnegie units earned through Dual Enrollment may be included on a student's JPII transcript. A traditional 3 credit hour semester college course shall transfer as a ½ Carnegie unit (½ high school credit). It is the student's responsibility to ensure that all requirements of the college are met and that an official transcript with the final grade is sent to JPII by January 15th for fall courses, and May 30th for spring courses.

Students must carefully consider their abilities to manage a Dual Enrollment Course. Furthermore, students and parents or guardians must understand the negative consequences that poor course performance will have on GPA and federal aid packages. Students who dual enroll will carry that grade into both their high school GPA and transcript as well as their college GPA and transcript. Poor performance will create a low college GPA and may affect the student's access to federal aid and specific programs of study when entering college. JPII does not bear responsibility for student performance.

Each college employs specific guidelines for accepting credit from other institutions. Students and their parents or guardians must understand that credit received in this manner is not guaranteed to transfer to another institution. The student is responsible for discovering if and how the college credit earned through dual enrollment will transfer to the post-secondary institution he or she ultimately attends.

Students will be eligible to enroll in dual/college credit courses if the following criteria are met:

1. Students must be in good academic and financial standing at JP II.
2. Students must meet all the requirements of the specific college's dual enrollment program.
3. Students have completed or will complete all required courses for graduation at JP II.
4. The course is not currently offered at JP II.
5. Students, parents or guardians, and the Principal sign a Grade Acknowledgment Waiver that: informs the student of course grade implication, binds the student to course grade acceptance, notifies the student of potential non-credit when transferring outside of the course institution, waives JP II of responsibility if the student does not perform well.

Independent Studies

Independent studies allow students the opportunity to explore areas of career or personal interest through the application of hands on experiential learning. Students must be a self-motivated and self-directed learner, as well as possess the maturity and judgement to work independently of direct supervision. Requires teacher and parental permission.

Grading Policy

Under South Carolina state guidelines, the cumulative GPA (Grade Point Average) reported on the final transcripts of students who are attending colleges and universities in the state of South Carolina will be calculated using the South Carolina Uniform 10-point Grading Scale, which is used to determine each student's eligibility for the SC Lottery-funded scholarships. The transcript will also show the student's cumulative GPA on the John Paul II grading scale.

Cumulative GPA

John Paul II Catholic School calculates two cumulative GPAs to be reported on the students' transcript at the end of the school year. The first is based on the SCUGP which is considered in awarding Palmetto Fellows, LIFE, and HOPE scholarships. Under South Carolina state guidelines, the cumulative GPA reported on the final transcripts is calculated using the SCUGS 10-point scale. The second is the John Paul II Catholic School GPA based on the grading scale found on the following page.

South Carolina Uniform 10-Point Grading Scale				
Numerical Average	Letter Grade	Academic Track (CP)	Honors	AP/College Credit
100	A	5.000	5.500	6.000
99	A	4.900	5.400	5.900
98	A	4.800	5.300	5.800
97	A	4.700	5.200	5.700
96	A	4.600	5.100	5.600
95	A	4.500	5.000	5.500
94	A	4.400	4.900	5.400
93	A	4.300	4.800	5.300
92	A	4.200	4.700	5.200
91	A	4.100	4.600	5.100
90	A	4.000	4.500	5.000
89	B	3.900	4.400	4.900
88	B	3.800	4.300	4.800
87	B	3.700	4.200	4.700
86	B	3.600	4.100	4.600
85	B	3.500	4.000	4.500
84	B	3.400	3.900	4.400
83	B	3.300	3.800	4.300
82	B	3.200	3.700	4.200
81	B	3.100	3.600	4.100
80	B	3.000	3.500	4.000
79	C	2.900	3.400	3.900
78	C	2.800	3.300	3.800
77	C	2.700	3.200	3.700
76	C	2.600	3.100	3.600
75	C	2.500	3.000	3.500
74	C	2.400	2.900	3.400
73	C	2.300	2.800	3.300
72	C	2.200	2.700	3.200
71	C	2.100	2.600	3.100
70	C	2.000	2.500	3.000
69	D	1.900	2.400	2.900
68	D	1.800	2.300	2.800
67	D	1.700	2.200	2.700
66	D	1.600	2.100	2.600
65	D	1.500	2.000	2.500
64	D	1.400	1.900	2.400
63	D	1.300	1.800	2.300
62	D	1.200	1.700	2.200
61	D	1.100	1.600	2.100
60	D	1.000	1.500	2.000
59	F	0.900	1.400	1.900
58	F	0.800	1.300	1.800
57	F	0.700	1.200	1.700
56	F	0.600	1.100	1.600
55	F	0.500	1.000	1.500
54	F	0.400	0.900	1.400
53	F	0.300	0.800	1.300
52	F	0.200	0.700	1.200
51	F	0.100	0.600	1.100
0-50	F	0.000	0.500	1.000

John Paul II Grading Scale				
Numerical Average	Letter Grade	College Prep	Honors/Pre-AP	AP/College Credit
100	A	5.000	5.500	6.000
99	A	4.900	5.400	5.900
98	A	4.800	5.300	5.800
97	A	4.700	5.200	5.700
96	A	4.600	5.100	5.600
95	A	4.500	5.000	5.500
94	A	4.400	4.900	5.400
93	A	4.300	4.800	5.300
92	A	4.200	4.700	5.200
91	A	4.100	4.600	5.100
90	A	4.000	4.500	5.000
89	B	3.900	4.400	4.900
88	B	3.800	4.300	4.800
87	B	3.700	4.200	4.700
86	B	3.600	4.100	4.600
85	B	3.500	4.000	4.500
84	B	3.400	3.900	4.400
83	B	3.300	3.800	4.300
82	B	3.200	3.700	4.200
81	B	3.100	3.600	4.100
80	B	3.000	3.500	4.000
79	C	2.900	3.400	3.900
78	C	2.800	3.300	3.800
77	C	2.700	3.200	3.700
76	C	2.600	3.100	3.600
75	C	2.500	3.000	3.500
74	D	2.400	2.900	3.400
73	D	2.300	2.800	3.300
72	D	2.200	2.700	3.200
71	D	2.100	2.600	3.100
70	D	2.000	2.500	3.000
69	F	1.900	2.400	2.900
68	F	1.800	2.300	2.800
67	F	1.700	2.200	2.700
66	F	1.600	2.100	2.600
65	F	1.500	2.000	2.500
64	F	1.400	1.900	2.400
63	F	1.300	1.800	2.300
62	F	1.200	1.700	2.200
61	F	1.100	1.600	2.100
60	F	1.000	1.500	2.000
59	F	0.900	1.400	1.900
58	F	0.800	1.300	1.800
57	F	0.700	1.200	1.700
56	F	0.600	1.100	1.600
55	F	0.500	1.000	1.500
54	F	0.400	0.900	1.400
53	F	0.300	0.800	1.300
52	F	0.200	0.700	1.200
51	F	0.100	0.600	1.100
0-50	F	0.000	0.500	1.000

Class Rank

Class rank is determined by the cumulative grade point average calculated at the end of the academic year during the student's ninth through twelfth grade years. All high school courses taken during middle school and listed on the high school transcript are also calculated. All high school credit courses are used in calculating the GPA. John Paul II Catholic School calculates class rank at the end of each school year for all students in grades nine through twelve. Because of the size and academically competitive nature of our student body, the school does not disclose rank to colleges during the college application process unless specifically requested.

Course Placement

John Paul II Catholic School uses the results of standardized test scores, previous grades earned, and student work habits to place students at the academic level that offers them the best opportunity for academic success. Students enrolling in courses at the advanced, honors, pre-AP, and AP levels must possess above grade level reading and/or math ability and have demonstrated the capacity to work at an accelerated pace. Student placement is done diligently, and we highly recommend that students and parents do not override this decision. Any decision to advance a student beyond the recommended academic level will only occur after a meeting is held between the student, parent, teacher, and the assistant principal in which clear expectations for student performance are communicated and agreed to.

Departmental Course Offerings

Theology (Religion)

MS-101: 06 Religion

Grade 6

Full Year

0 Graduation Credit

The purpose of this course is to introduce students to the Catholic faith and Catholic traditions. Students are first introduced to the Catholic foundation of the school community, focusing on the celebration of the Eucharist, life and spirituality of Pope St. John Paul II (including an introduction to his teaching on the Theology of the Body), and history and traditions of John Paul II Catholic School. Students will embark on a journey through the story of salvation history by exploring Sacred Scripture and the development of our Sacred Tradition. Students will explore the law of God, focusing on the Ten Commandments and the Beatitudes, and they will study how the Mass draws us into a deeper relationship with God and the Church. Students will come to recognize that God’s gift of Grace provides us the necessary “tools” to live according to His law and prepare ourselves to fulfill His plan. Students will be engaged in essential Christian practices of prayer and community service, leading them to grow in intentional discipleship.

MS-102: 07 Religion

Grade 7

Full Year

0 Graduation Credit

The purpose of this course is to build on students foundational understanding of the Catholic faith and Catholic traditions. Following the structure of the *Catechism of the Catholic Church*, students will explore aspects of the Nicene Creed, the Liturgy and Sacraments, Christian morality, and prayer. Students will continue to explore Pope St. John Paul II’s spirituality through his teaching on the Theology of the Body. Students will also be introduced to the study of Philosophy with a focus on ethics, political philosophy, aesthetics. Students will be engaged in essential Christian practices of prayer and community service, leading them to grow in intentional discipleship.

MS-103: 08 Religion

Grade 8

Full Year

0 Graduation Credit

The purpose of this course is to engage students still more deeply into the Catholic faith and Catholic traditions. Students further explore aspects of the Nicene Creed, the Liturgy and Sacraments, Christian morality, and prayer. Continuing to examine Pope St. John Paul II’s spirituality, students focus on additional components of his teaching on the Theology of the Body. Students will continue to delve into the study of Philosophy with the focus being on epistemology and metaphysics. Students will be engaged in essential Christian practices of prayer and community service, leading them to grow in intentional discipleship.

TH-101: Theology I

Grade: 9 Full Year Graduation Credit

Sacred Scripture—Old and New Testament

The purpose of this course is to give an overview of Sacred Scripture with an introduction to the basic principles for understanding and interpreting the Bible. Students will be introduced to the historical background of the salvation history, theological terms and discussions on the Old and the New Testament. Students continue to develop their personal prayer life and liturgical life with an emphasis on the scriptural foundation of these practices. Students will be engaged in essential Christian practices including pro-life activities and service projects, leading them to grow in intentional discipleship.

TH-102: Theology II

Grade: 10 Full Year (2 Semester Courses) 1 Graduation Credit

Semester 1—Sacraments

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life. This course is designed to give students a sense of Christian identity through a deeper understanding of the sacraments, rites, rituals, practices, and traditions of the Catholic Church. Students will be engaged in essential Christian practices including pro-life activities and service projects, leading them to grow in intentional discipleship.

Semester 2— Church History

The purpose of this course is to supply the students with a general knowledge of the Church's history from Apostolic times to the present. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him throughout history through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today and, as such, has both Divine and human elements. In this course, students will learn about the Church's 2000 years of history and about how the Church is led and governed by the successors of the Apostles. Students will be engaged in essential Christian practices including pro-life activities and service projects, leading them to grow in intentional discipleship.

TH-103: Theology III

Grade: 11 Full Year (2 Semester Courses) 1 Graduation Credit

Semester 1—Christian Morality

The purpose of this course is to assist students in the process of reflecting upon and cherishing his or her dignity and that of other persons as made in the image and likeness of God and reflecting faithfully that image in a life conformed to new life in Christ. To do so, we will examine the foundations of Christian morality, use the Beatitudes and Decalogue (Ten Commandments) as a guide for making moral decisions, take an in-depth look at moral decision making, and discuss the intrinsic connection between Christian morality and authentic human development. Students will be engaged in essential Christian

practices including pro-life activities and service projects, leading them to grow in intentional discipleship.

Semester 2—Catholic Social Teaching

The purpose of this course is to introduce students to the Church’s social teachings. In this course students are to learn how Christ’s concern for others, especially the poor and needy, is present today in the Church’s social teaching and mission. The student will recognize and understand the obligation of every Christian to actively live out these principles in their everyday life. Students will be engaged in essential Christian practices including pro-life activities and service projects, leading them to grow in intentional discipleship.

TH-104: Theology IV Seminar

Grade: 12 Full Year

1 Graduation Credit

The purpose of this course is to accompany students in the process of building on skills and content learned to this point. In this seminar-style course, students will read and discern Aristotle’s *Nicomachean Ethics* and *Politics*. Students will then enter into small group (6-8 students) conversation through which they will have the opportunity to enter into a deeper understanding of how fundamental philosophical thinking influences how we engage in the world around us. This course will also include conversations on how Aristotelian philosophy influenced the development of our Catholic Christian teaching, with a particular focus on the theology of Saint Thomas Aquinas. Students will be engaged in essential Christian practices including pro-life activities and service projects, leading them to grow in intentional discipleship.

Electives

TH 242 – Independent Study Campus Ministry

Grade 11-12

Semester

0.5 Graduation Credit

Prerequisites: Recommendation of Campus Minister (limit two students per semester)

The Campus Ministry course is an elective independent study designed to allow students a first-hand experience at living out the Gospel message through service to the John Paul II Catholic School community. The student will play an active role in planning and leading the prayer life of the school, as well as plan and lead class retreats, liturgies, and coordinate a variety of service projects. The goal of the course will be to put faith into practice. Students selected as Campus Ministers will be called upon to share their faith in a variety of ways and must be comfortable doing so. Student Campus Ministers do not have to be Catholic, but all Student Campus Ministers should be practicing their faith on a regular basis and exemplify the Core Beliefs of service, leadership and discipleship. Requires the ability to learn independently and practice sound judgement without direct supervision.

English Language Arts

MS-6-81: 06 English Language Arts

Grade: 6

Full Year

0 Graduation Credit

Prerequisites: none

This course reinforces development of reading, writing, speaking, listening, and language skills in preparation for 7th grade. Through the writing process, vocabulary building, students will build foundational skills enabling them to enhance their ideas, organization and voice as well as refine their knowledge and use of word choice, sentence fluency, and conventions in their writing. Also, students will build a foundation to develop critical thinking and technology skills. English 6 students will have opportunities to express themselves through a variety of projects and assignments to build a foundational technology portfolio containing a wide variety of written products.

MS-7-81: 07 English Language Arts

Grade: 7

Full Year

0 Graduation Credit

Prerequisites: none

This course develops reading, writing, speaking, listening, and language skills. Through the writing process, students explore different genres and topics enabling them to enhance their ideas, organization and voice as well as refine their knowledge and use of word choice, sentence fluency, and conventions. Also, students further develop critical thinking and technology skills. English 7 students have many opportunities for expressing themselves through an assortment of projects and assignments and by developing a portfolio containing a wide variety of products.

MS-7-82: 07 Advanced English Language Arts

Grade: 7

Full Year

0 Graduation Credit

Prerequisites: Qualifying scores on Entrance Examination and/or MAP test

Through consistent practice and learning strategies, students continue to hone their reading, writing, speaking, and listening skills. Emphasis is placed on moving from the literal to the abstract in the students' critical thinking skills and in the use of language. Oral presentations and collaborative work give them opportunities to improve interpersonal communication skills as well as more formal presentation skills. Formal graded writing assignments will include narrative, informational, and argumentative writing.

MS-8-81: 08 English Language Arts

Grade: 8

Full Year

0 Graduation Credit

Prerequisites: none

This course builds upon the skills introduced in grade 7, developing reading, writing, speaking, listening, and language skills. Through the practice of reading strategies and the writing

process, students will continue to explore different genres and topics enabling them to enhance their ideas, organization and voice as well as refine their knowledge and use of word choice, sentence fluency, and conventions. Oral presentations and collaborative work as well as varied products give students many opportunities for expressing themselves and demonstrating their learning. Formal graded writing assignments will include narrative, informational, and argumentative writing.

Core Courses

EN-811: English I – Literature and Composition

Grade: 9

Full Year

1 Graduation Credit

Prerequisites: None

Students engage in critical reading, writing and thinking through exposure to literature and a variety of non-fiction and informational readings. Novels will include those covered as a class and those selected for independent study that will culminate in a project or paper to illustrate thorough analysis. In-class writing workshops with modeling and use of anchor texts, will develop the writing process through skills in grammar, vocabulary and mechanics. Formal graded writing assignments will include narrative, expository, descriptive essays and a research paper utilizing sources.

EN-812: Pre-AP English I – Literature and Composition

Grade: 8-9

Full Year

1 Graduation Credit

Prerequisites: Qualifying scores on the PSAT and/or reading score above ninth grade level

Students engage in critical reading, writing and thinking through exposure to literature and a variety of non-fiction and informational readings. Novels will include those covered as a class and those selected for independent study that will culminate in a project or paper to illustrate in-depth analysis. The course focuses on close reading, analytical writing, and language skills that have immediate relevance for students and that will be essential for their future coursework. The course trains the reader to observe the small details within a text to arrive at a deeper understanding of the whole. It also trains the writer to focus on crafting complex sentences as the foundation for writing to facilitate complex thinking and to communicate ideas clearly. Formal graded writing assignments will include narrative, expository, descriptive essay, and a research paper utilizing sources and culminating in a formal class presentation. The Pre-AP English I curriculum used in this class is a 9th grade level course designed to assist student in being better prepared for AP-level courses in English. Therefore, the text complexity and subject matter is designed and deemed appropriate by the College Board.

EN-821: English II – Composition and Select Readings**Grade: 10****Full Year****1 Graduation Credit***Prerequisites: 9th Grade English*

Students engage in critical reading, writing, and thinking through exposure to English-language or world literature translated into English, non-fiction and informational readings. In-class writing workshops will develop a scholarly writing process and skills in grammar, vocabulary, and mechanics. Formal graded writing assignments will include narrative, expository, descriptive, and persuasive essays, plus a 3-5-page research paper utilizing sources.

EN-822: Pre-AP English II – Composition and Select Readings**Grade: 9-10****Full Year****1 Graduation Credit***Prerequisites: Qualifying scores on the PSAT and/or recommendation of the English I teacher*

English II requires students to apply practices learned in pre-AP English I to a new host of complex texts—the types of texts they will soon encounter in AP English courses, college classes, and on the SAT. As readers, students develop a vigilant awareness of how the poet, playwright, novelist, and writer of nonfiction alike can masterfully manipulate language to serve their unique purposes. As writers, students compose more nuanced essays without losing sight of the importance of well-crafted sentences and a sense of cohesion. Formal graded writing assignments will include narrative, expository, descriptive and persuasive essays, a research paper utilizing sources and class presentations on selected topics. The Pre-AP English II curriculum used in this class is a 10th grade level course designed to assist student in being better prepared for AP-level courses in English. Therefore, the text complexity and subject matter is designed and deemed appropriate by the College Board.

EN-831: English III – Literature of the Americas**Grade: 11****Full Year****1 Graduation Credit***Prerequisites: 10th grade English*

Students will explore novels, poetry, plays, and short stories from Mexican, Latin American, Caribbean, and Canadian authors *in addition* to those from the United States. Students will analyze each genre using literary terms, point of view, structure and language. Classroom discussion will articulate how the works represent the Western experience. Written work will reflect student analysis of style, purpose, and theme. Extended writing assignments will refine students' skills in expository and creative writing as well as research. A 5-7-page paper will be assigned with an emphasis on appropriate format for a research paper.

EN-832: Honors English III – Literature of the Americas**Grade: 11****Full Year****1 Graduation Credit**

Prerequisites: Qualifying scores on the PSAT and/or 10th grade English course.

Novels, poetry, plays, and short stories representative of the literature of the Western Hemisphere will be explored in depth. Students will analyze not only the different genres, but also the way in which authors from the United States, Latin America, the Caribbean, and Canada portray their experiences. "By discovering the literature of our neighbors, we may also learn about ourselves" (Kimberly Koza). Writing assignments will reflect literary and personal analysis and refine skills in expository and creative writing as well as research while improving grammar and style. Students can expect to read more selections and of broader scope than students in EN-831. Students will write a 7-8-page research paper with the focus on appropriate scholarly style.

EN-850: AP Language and Composition**Grade: 11****Full Year****1 Graduation Credit**

Prerequisites: Qualifying scores on the PSAT and/or 10th grade English course

This College Board course focuses on an intensive study of the broad range of American nonfiction and informational texts coupled with rhetorical skills and extensive writing assignments. Students analyze works for literary and social value in a seminar setting. Understanding the American experience and the ways in which historical events and the diversity of racial and cultural origins of peoples have affected American writing in various genres is explored. Learning the testing format for the Advanced Placement Exam is a secondary component but is very important for students taking this course. Consequently, students will regularly take practice exams to ready themselves for the May examination. Writing well, both persuasively and descriptively, is critical to scoring well on the exam. Students will be asked to study and practice effective rhetorical skills and will have frequent short as well as extended writing assignments. The curriculum used in this class is at a college-level therefore, the text complexity and subject matter is designed and deemed appropriate by the College Board. All students must take the AP course exam in May. Please see Administrative Rules Governing AP courses in the introduction.

EN-841: English IV—Literature of the British Colonial and Post-Colonial Periods**Grade: 12****Full Year****1 Graduation Credit**

Prerequisites: 11th grade English

Novels, poetry, plays, and short stories of Britain and its worldwide range of former colonies will be explored. Students will analyze each genre using literary terms, point of view, structure and language. Classroom discussion will focus on the British experience as well as that of its colonies. Writing assignments will focus particularly on skills required for success in college and

will include expository and creative writing as well as a 5-7 page, appropriately formatted research paper.

EN-842: Honors English IV – Literature of the British Colonial and Post-Colonial Periods

Grade: 12 **Full Year** **1 Graduation Credit**

Prerequisites: Qualifying scores on the PSAT and/or 11th grade English course

Students will read a range of novels, poetry, plays, and short stories from the former British Empire and its far-reaching colonies. Students will learn to analyze each genre using literary terms, point of view, structure and language. Classroom discussion will develop an understanding of culture from the point of view of both the British and those colonized. Writing assignments will focus particularly on skill required for success in college and will include expository and creative writing, and a 5-7-page research paper. Students can expect to read more selections and of broader scope than students in EN-841.

EN-849: AP Literature and Composition

Grade: 12 **Full Year** **1 Graduation Credit**

Prerequisites: Qualifying scores on the PSAT and/or 11th grade English course

In this intensive study of literature from a wide range of geographic locations and cultures, students will analyze works for literary and social value in a seminar setting. Understanding how geography shapes culture and politics is a by-product of these literary choices. Learning the testing format for the Advanced Placement Exam is a secondary component but very important. Consequently, students will periodically take practice exams to ready themselves for the May examination. Writing well, both persuasively and descriptively, is critical to scoring well on the exam. Consequently, students will be asked to study and practice effective rhetorical skills and will have frequent short and also extended writing assignments. The curriculum used in this class is at a college-level therefore, the text complexity and subject matter is designed and deemed appropriate by the College Board. All students must take the AP course exam in May. Please see Administrative Rules Governing AP courses in the appendix.

Elective Courses

EN-866: Senior Capstone

Grade: 12 **1 Semester** **0.5 Graduation Credit**

Prerequisites: English I and II

Building upon writing skills learned in English I and II, this course prepares students for college essay expectations. This semester course will focus on writing at the college level, developing skills such as the writing process, collegiate grammar, structuring different types of essays, vocabulary improvement, and argumentation. Students will learn the process of writing a

formal research paper in preparation for their senior project. In addition, students will also work on public speaking and presentation skills.

EN-868: AP Seminar

Grade: 10-11-12

Full Year

1 Graduation Credit

Prerequisites: Qualifying scores on the PSAT and/or recommendation of the English teacher

AP Seminar is an interdisciplinary course that encourages students to demonstrate critical thinking, collaboration, and academic research skills on topics of the student's choosing. Students will develop and practice the skills in research, collaboration, and communication that's needed in any academic discipline. They will investigate topics in a variety of subject areas, write research-based essays, and design and give presentations both individually and as part of a team. May be taken for either English or Social Studies credit, but not both.

SS- 369: AP Research 11-12

Full Year

1 Graduation Credit

Prerequisite: AP Seminar

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

EN-880-889: College Credit Courses

Grade: 11-12

1 Semester each

0.5 Graduation Credit each

Prerequisites: Administrative Approval

Students who have completed or will complete all requirements for graduation but who wish to expand their study of literature or writing may take an approved college course for high school credit through one of JPII's partner schools. Please see the introduction for further administrative notes.

Mathematics

MS-6-11: 6th grade Math

Full Year

0 Graduation Credit

Prerequisites: none

The main goal in 6th grade math will be for the students to develop competency and fluency with fraction operations. This competency will be used as the students explore other

mathematical concepts such as ratios, rates, proportions, and percentages. Fractions will also be utilized as the students learn to solve one-variable equations and inequalities and mathematical problems involving perimeter, area, surface area, and volume. In addition, the students will begin to evaluate expressions with integers and apply principles of data analysis in a variety of ways.

MS-7-11: 7th grade Math

Grade: 7

Full Year

0 Graduation Credit

Prerequisites: none

Math 7 is recommended for seventh grade students working at or below grade level. The course is built around the Diocese of Charleston Standards for Mathematics. Basic computational skills are emphasized and practiced through a variety of strategies and applied to concepts including proportional relationships, operations with rational numbers, application of percent, 2-D and 3-D geometry, data analysis, probability, and algebraic expressions and equations as students develop the number sense necessary for future learning. The goal of this course is to develop a deep conceptual understanding of mathematics and how to apply that understanding to real world situations. Students enrolled in this course may be scheduled for additional math support.

MS-712: 7th Advanced Math

Grade: 7

Full Year

0 Graduation Credit

Prerequisites: Qualifying score on the PSAT and/or MAP; a grade of 90 or higher in previous math class; score of 90 or higher on JP11 assessment

Grade 7 Advanced Math is recommended for seventh grade students working above grade level. This course is based on the Diocese of Charleston Standard for Mathematics for 7th and 8th grades and is designed to provide the transition from arithmetic to algebra and geometry. Emphasis will be placed on the critical areas of focus for grade 7 including: analyzing and solving problems using proportional relationships; developing fluency with all operations using rational numbers; applying algebraic expressions and equations to real world problems; geometric constructions; and drawing inferences using statistics. Additionally, students will extend their learning by working on concepts based on grade 8 standards. These concepts include: operations and comparisons of rational and real numbers; expressions, equations and inequalities; proportional relationships; bi-variate data and probability; linear functions; geometric formulas and measurement; and transformational geometry and angle relations.

MS-8-11: Pre-Algebra**Grade: 8****Full Year****0 Graduation Credit***Prerequisites: none*

Pre-algebra is recommended for 8th grade students working on grade level. This course provides a strong foundation for future courses in algebra and geometry. It has a strong focus on algebraic concepts and reasoning including operations and comparisons of rational numbers, expressions and properties, equations and inequalities, proportional relations, bi-variate data and probability, exponents, linear functions, and real numbers. Various geometry concepts will also be introduced including geometric formulas and measurement, and transformational geometry and angle relations.

CORE COURSES**MA-111: Foundations in Algebra****Grade: 9****Full Year****1 Graduation Credit***Prerequisites: Pre-algebra*

This is the first course in a two-part Algebra I sequence. This course will include the study of integers, fractions, properties, order of operations, expressions, equations, etc. It will deal with the important and fundamental algebraic concepts of a variable and a function. Students will learn how to perform algebraic calculations involving these concepts and how they apply as models in our world.

MA-112: Algebra I**Grade: 9****Full Year****1 Graduation Credit***Prerequisites: Pre-algebra*

This course will include the study of variables and expressions, equations, functions, linear functions and inequalities, properties of exponents, systems of equations, polynomials, factoring and introduction to quadratics. *Note: High school credit cannot be awarded for both MA-112 and the combination of MA-111 and MA-130.

MA-112: Pre-AP Algebra I**Grade: 8****Full Year****1 Graduation Credit***Prerequisites: Qualifying score on MAP and grade of 90 or higher in Math 7 and/or a score of 90 or higher on JP11 assessment*

This course targets variables and expressions, equations, functions and relations, linear functions and inequalities, properties of exponents, systems of equations, polynomials, factoring and quadratics. Students will develop a deep and robust understanding of linear relationships from procedural, conceptual, and applied perspectives, create and use

mathematical models to understand and explain authentic scenarios, and use evidence to craft mathematical conjectures and prove or disprove them.

MA-121: Geometry

Grade: 9-10

Full Year

1 Graduation Credit

Prerequisites: Algebra I

This course focuses on logical reasoning, parallel and perpendicular lines, congruent triangles, relationships in triangles, similar triangles, quadrilaterals, right triangles and trigonometry, transformations and circles.

MA-122: Pre-AP Geometry with Statistics

Grade: 9

Full Year

1 Graduation Credit

Prerequisites: Qualifying scores on MAP and a grade of 90 or higher in Algebra I

This course has a central focus on measurement that provides students with a holistic and comprehensive view of geometry as the study of shape and space. This course leverages transformations to deepen students' knowledge of similarity and congruence. Since transformations are functions, they afford students a rich opportunity to connect algebra and geometry meaningfully, leading to a more sophisticated understanding of functions specifically and mathematics more broadly. To address concerns of disjointed conceptual development and lack of sophisticated knowledge of statistics and probability, this course includes a unit that provides time for a sustained and focused examination of topics that are essential for quantitative literacy.

MA-130: Intermediate Algebra

Grade: 10

Full Year

1 Graduation Credit

Prerequisites: Foundations in Algebra

This is the second course in a two-part Algebra I sequence. This course builds on the conceptual knowledge and skills students mastered in Foundations in Algebra and in earlier grades in areas such as algebraic thinking, statistics, data analysis, and proportional reasoning. In this course, students are expected to apply mathematics in meaningful ways to solve problems that arise in the workplace, society, and everyday life through the process of modeling. Mathematical modeling involves creating appropriate equations, graphs, functions, or other mathematical representations to analyze real-world situations and answer questions.

*Note: High school credit cannot be awarded for both MA-112 and the combination of MA-111 and MA-130.

MA-131: Algebra II**Grade:10-11****Full Year****1 Graduation Credit***Prerequisites: Geometry*

This next level of algebra is a comprehensive course that will further develop all the foundational algebraic skills learned in Algebra I. Topics include quadratic functions, polynomial functions, rational and radical functions, logarithmic and exponential functions, matrices, complex numbers, composite and inverse functions, and a brief introduction to trigonometry.

MA-132: Honors Algebra II**Grade: 10****Full Year****1 Graduation Credit***Prerequisites: Qualifying scores on the PSAT and/or Algebra I Honors and Geometry Honors courses*

This is a fast-paced and rigorous course that will briefly review foundational algebraic skills learned in Algebra 1. The course prepares students for the rigors of Honors Pre-Calculus and establishes thinking habits required for success in advanced mathematics. Core targets include quadratic functions, polynomial functions, rational and radical functions, logarithmic and exponential functions, matrices, complex numbers, composite and inverse functions, conic functions, and an introduction to trigonometry.

Elective Courses**MA-137: Algebra III / Trigonometry****Grade: 11-12****Full Year****1 Graduation Credit***Prerequisites: Algebra II*

In this course, students will continue to examine the different types of algebraic equations and discover methods for solving each. Recognizing and graphing many types of equations and inequalities is an essential part of this course. The second semester of Algebra III includes a study of trigonometry. Students will use the graphing and conversion capabilities of their calculators when appropriate. This course is designed for students who are not intending to take calculus or advanced mathematics.

MA-142: Honors Pre-Calculus**Grade: 10-11****Full Year****1 Graduation Credit***Prerequisites: A grade of 90 or higher in Algebra II or Algebra II teacher recommendation*

This course is designed for the student who will take Calculus or AP Calculus AB. This is a fast-paced class, and the workload is significantly heavier than MA-141. Study includes computational skills, patterns of quantitative problem solving, mathematical thought, linear and quadratic equations, polynomials, matrices, inverse functions, logarithms, arithmetic and geometric sequences, trigonometric functions, and linear functions.

MA-151: Probability and Statistics**Grade: 11-12****Full Year****1 Graduation Credit***Prerequisites: Algebra II*

This introductory course will examine a variety of topics dealing with gathering, organizing, and analyzing data. Students will investigate means and variances, regression and correlation, elementary probability, normal distributions, sampling, and making inferences with both confidence intervals and hypothesis testing. Students will use the statistical and graphing capabilities of their calculators, as well as computer software. All students enrolled will be required to have a TI Nspire calculator.

MA-159: AP Statistics**Grade: 11-12****Full Year****1 Graduation Credit***Prerequisites: Qualifying scores on the PSAT, SAT, or ACT and/or a grade of 90 or higher in pre-Calculus or teacher recommendation*

The AP Statistics course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. All students enrolled will be required to have a TI Nspire calculator.

MA-162: Honors Calculus**Grade: 12****Full Year****1 Graduation Credit***Prerequisites: Qualifying scores on the PSAT, SAT, or ACT; and/or Pre-calculus teacher recommendation*

Topics in this honors-level course include limits and continuity, differentiation and integration of algebraic and elementary transcendental functions, and applications to maximum-minimum problems, curve sketching, and exponential growth. All students enrolled will be required to have a TI Nspire calculator.

MA-168: AP Calculus AB**Grade: 11-12****Full Year****1 Graduation Credit***Prerequisites: Qualifying scores on the PSAT, SAT, or ACT; and/or teacher recommendation*

AP Calculus AB focuses on students' understanding of calculus concepts and provides experience with methods and applications. Using big ideas of calculus (e.g., modeling change, approximation and limits, and analysis of functions), each course becomes a cohesive whole, rather than a collection of unrelated topics. These courses require students to use definitions and theorems to build arguments and justify conclusions. The course features a multi-representational approach to calculus, with concepts, results,

and problems expressed graphically, numerically, analytically, and verbally. Exploring connections among these representations builds understanding of how calculus applies limits to develop important ideas, definitions, formulas, and theorems. A sustained emphasis on clear communication of methods, reasoning, justifications, and conclusions is essential. Teachers and students should regularly use technology to reinforce relationships among functions, to confirm written work, to implement experimentation, and to assist in interpreting results.

MA-169: AP Calculus BC

Grade: 12

Full Year

1 Graduation Credit

Prerequisites: AP Calculus AB

BC Calculus concentrates on students' understanding of calculus concepts while exploring methods and applications. Students need a strong computational foundation; however, the class focus emphasizes a multi-representational approach that asks students express concepts, results, and problems graphically, numerically, analytically, and verbally. Course objectives include functions, graphs, limits, derivatives, integrals, and polynomial approximations and series. Please see Administrative Rules Governing AP in the introduction.

MA-180-189: College Credit Courses

Grade: 11-12

1 Semester each

0.5 Graduation Credits each

Prerequisites: Administrative Approval

Students who have completed or will complete all requirements for graduation but who wish to expand their study of mathematics may take an approved college course for high school credit through one of JPPI's partner schools. Please see introduction for further administrative notes.

Science, Engineering, & Technology

SC-651: Earth Science with PLTW Gateway Energy & the Environment/Green Architecture

Grade: 6

Full Year

0 Graduation Credit

Prerequisites: None

Earth Science focuses on introducing students to the Earth and Earth Dynamics. It includes an overview of scientific principles and procedures and leads students towards a clearer understanding of the Atmosphere, Weather & Climate; Solar System; Earthquakes & Plate Tectonics, and Basic Geology. The Project Lead the Way components include Energy & the Environment and Green Architecture. In Energy & the Environment, students are challenged to think big and look toward the future as they explore sustainable solutions to our energy needs and investigate the impact of energy on our lives and in our world. They design and model alternative energy sources and evaluate options for reducing energy consumption. In Green Architecture, students learn about architectural measurement and planning spaces, principles of sustainable architecture, and affordable housing design using 3D modeling software.

SC-752: Life Science with PTLW Gateway Medical Detectives**Grade: 7****Full Year****0 Graduation Credit***Prerequisites: None*

This course focuses on introducing students to the diversity of life found on our planet. It includes an overview of scientific principles and procedures and leads students toward a clearer understanding of cells, cellular functions and heredity, the five kingdoms, and human body systems. As students refine and expand their understanding of life science, they will apply their knowledge in investigations that require them to ask questions and explore the world around them. The Project Lead the Way component is Medical Detectives. In Medical Detectives, students will collect and analyze medical data to diagnose disease. They solve medical mysteries through hands-on projects and labs, measure and interpret vital signs, examine nervous system structure and function, investigate disease outbreaks, and explore how a breakdown within the human body can lead to dysfunction.

SC-853: PLTW Gateway Flight and Space and Magic of Electrons**Grade: 8****Full Year****0 Graduation Credit***Prerequisites: None*

This Project Lead the Way supplemented course focuses on involving each student in making scientific discoveries through hands-on activities, experiments, and models. Discoveries in the areas of scientific inquiry, motion and forces, electricity and magnetism, electromagnetic radiation, sound and light waves, atoms and molecules, organic chemistry and hydrocarbons are covered. The application of scientific concepts present in our everyday lives will be explored. Incorporating curriculum from Project Lead the Way Flight and Space curriculum, students delve into the history of flight and discover the science behind aeronautics. Students will be challenged to use their knowledge to design, build, and test a prototype aircraft. Next topic is exploring traveling and living in space where students learn about launches, orbits, healthy living in space, and creating an artificial living environment. The class culminates with a Mission to Mars where students plan their astronaut crew, rocket specifications, schedule crew daily activities, choose a Mars landing site, design and construct a Mars Landing vehicle. In Magic of Electrons, students explore electricity, behavior and parts of atoms, and using sensing devices. They learn basic circuitry design and discuss impact of electricity locally and worldwide.

CORE COURSES**SC-510 Foundations in Science****Grade: 9-10-11-12****Full Year****1 Graduation Credit***Prerequisites: Recommendation of Marian Center or Counselling Staff*

This lab science class is geared for students taking either Emerging Scholars English or Foundations in Algebra. Students unaffiliated with the Marian Center are not eligible to enroll in this class. Topics taught include Lab Safety, Equipment care and use, Dimensional Analysis, review of Scientific Method, Data Analysis, use of Google Sheets and Excel for graphing, Data

Analysis, use of Vernier Graphic, pH, and basic dissections. This class should create a firm foundation for future laboratory-based classes.

SC-511: Biology

Grade: 9

Full Year

1 Graduation Credit

Prerequisites: None

This laboratory science course focuses on scientific discovery through hands-on activities, experiments, and models. During this course common themes that unite all living organisms will be emphasized. Students will gain an appreciation of the order and complexity of living things as core topics are studied. Core topics include scientific inquiry, ecology, cell structure and function including photosynthesis and cellular respiration, genetics and heredity.

SC-512: Pre-AP Biology

Grade: 9

Full Year

1 Graduation Credit

Prerequisites: Algebra 1 and recommendation of 8th grade science teacher

Pre-AP Biology sparks critical thinking about our living world as students engage in scientific data analysis and problem solving. Through strategic use of mathematics, emphasis on analytical reading and writing, and attention modeling, students refine their biological knowledge as they make meaningful connections among structures, processes, and interactions that exist within and across living systems. Pre-AP Biology motivates students to be active participants in analyzing real-world phenomena and to collaborate with their peers in investigations and problem solving. Core topics include scientific inquiry, ecological systems, cell structure and function, cell processes including photosynthesis and cellular respiration, genetics, and heredity.

SC-521: Chemistry

Grade: 10

Full Year

1 Graduation Credit

Prerequisites: Biology

This course is based on laboratory investigations of matter, chemical reactions, and the role of energy in those reactions. Students will compare, contrast, and synthesize models of structure and properties of matter and the mechanics of its interactions by observing events and developing hypotheses explaining why they happen. Students can then use these hypotheses to test in experiments. Core topics include classification of matter & states, heat & energy, chemical compounds, stoichiometry, chemical reactions, and bonding & structure.

SC-522: Pre-AP Chemistry

Grade: 10

Full Year

1 Graduation Credit

Prerequisites: Pre-AP Geometry with Statistics and/or recommendation of Biology teacher

Pre-AP Chemistry focuses on students developing a deep conceptual understanding of matter and energy at the molecular level by asking students to explain their macroscopic observations using particulate-level reasoning. Students will begin their exploration of matter by observing and measuring macroscopic properties of everyday materials and progress throughout the course to explore deeper and more detailed perspectives of the particle nature of matter. Pre-AP Chemistry motivates students to be active participants in applying critical thinking and mathematical skills as they engage in context driven mathematics, data analysis, modeling, and productive collaboration with their peers. Core topics include Molecular theory, phase changes, particle interactions, classification of matter, molecular structure and properties, molarity, chemical interactions, and thermochemistry.

SC-531: Physics

Grade: 10-11-12

Full Year

1 Graduation

Credit

Prerequisites: SC-511, MA-131

The central theme of this course is the interrelation of matter and energy. The underlying statement, theory, or law and the application of the principles to problem solving are present within various topics of physical phenomena. Laboratory work, and its interpretation, is an essential part of this course. Major topics treated include mechanics, heat, sound, light, electricity, magnetism and modern physics.

ELECTIVE COURSES

SC-519: AP Biology

Grade: 10-11-12

Full Year

1 Graduation Credit

Prerequisites: Biology, qualifying scores on the PSAT, SAT, or ACT and/or other science courses and Algebra II course and or recommendation of science teacher

The course is a college level survey of biological topics. Students should be aware of the demanding nature of this course in terms of the level of the material presented, amount of preparation time required, and difficulty of unit examinations. This course will explore, in detail, biochemistry, cytology, energy transformations, molecular and applied genetics, evolutionary theory, classification and kingdom overviews, plant and animal structure and physiology, ecological interrelationships, and behavioral theory. Laboratory skills are emphasized, and in-depth lab reports are required.

SC-523: AP Chemistry

Grade: 11-12

Full Year

1 Graduation Credit

Prerequisites: Chemistry/Pre-AP Chemistry and Algebra II course and/or recommendation of science teacher

The course is a college level survey of chemistry topics. Students should be aware of the demanding nature of this course in terms of the level of the material presented, amount of

preparation time required, and difficulty of unit examinations. The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium.

SC-540 PLTW Principles of Biomedical Science

Grade: 10-11-12

Full Year

1 Graduation Credit

Prerequisite: Biology

In this Project Lead the Way course students will tackle real world challenges faced by Biomedical professionals in the field. They will work with the same tools and equipment used in hospitals and labs as they engage in relevant hands-on work. Students will develop skill in technical documentation to represent and communicate experimental findings and solutions to problems. Students will explore how connections to other disciplines such as computer science and engineering shape the future of medicine and practice collaboration techniques that will help them connect with professionals across any field.

SC-541: PLTW Human Body Systems Honors

Grade: 11-12

Full Year

1 Graduation Credit

Prerequisites: Biology, Principles of Biomedical Science

This Project Lead the Way laboratory science course considers vertebrate anatomy and physiology with a focus on the human. Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal Manikin®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. This honors level course is of special interest for students considering medical or biomedical careers.

SC-555: Environmental Science

Grade 10-11-12

Full Year

1 Graduation Credit

Prerequisites: Biology

This laboratory science course is designed to show connections among a variety of scientific disciplines, including biology, chemistry, and physics. It gives students a coherent and realistic picture of the applications of a variety of scientific concepts as they occur in our environment. Students will focus on concepts that include human population growth, natural resources, and ecosystem dynamics, pollution, and climate change. This course will increase students' as they develop critical thinking skills. The course includes experimentation and field work.

SC-559: AP Environmental Science**Grade: 10-11-12****Full Year****1 Graduation****Credit**

Prerequisites: Biology, qualifying scores on the PSAT, SAT, or ACT and/or other science courses and Algebra II and/or science teacher recommendation.

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of this inter disciplinary 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 or preventing them. The course teaches students how to apply science to the solutions of important social problems. It also provides opportunities to practice applying scientific methods to practical, real-life problems. Units of study include ecosystems, biodiversity, populations, Earth's systems & resources, land & water use, energy resources & consumption, pollution, & global change.

SC-560 PLTW Engineering Essentials**Grade: 10-11-12****Full Year****1 Graduation Credit**

Prerequisites: None

Engineering Essentials is a full-year course designed to be a high schooler's first exposure to the PLTW Engineering program and is appropriate for student in grades 9-12. In Engineering Essentials, students explore the work of engineers and their role in the design and development of solutions to real-world problems. This course introduces students to engineering concepts that are applicable across multiple engineering disciplines and empowers them to build technical skills using a variety of engineering tools, such as geographic information systems (GIS), 3-D solid modeling software, and prototyping equipment. Students learn and apply the engineering design process to develop mechanical, electronic, process, and logistical solutions to relevant problems across a variety of industry sectors, including health care, public service, and product development and manufacturing.

SC-561: PLTW Principles of Engineering Honors**Grade: 11-12****Full Year****1 Graduation Credit**

Prerequisite: Algebra III/Trigonometry or teacher recommendation

From launching space explorations to delivering safe, clean water to communities, engineers find solutions to pressing problems and turn their ideas into reality. PLTW Engineering empowers students to step into the role of an engineer, adopt a problem-solving mindset, and make the leap from dreamers to doers. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research and design while learning strategies for design process documentation, collaboration and presentation.

*NOTE: At a student's request, this course may be used to fulfill either a science or technology credit but not both.

SC-562: PLTW Aerospace Engineering Honors

Grade: 11-12

Full Year

1 Graduation Credit

Prerequisite: Algebra III/Trig or Pre-Calculus, Engineering Essentials, Principles of Engineering, or teacher recommendation

In PLTW Aerospace Engineering students learn the fundamentals of atmospheric and space flight. Students explore the fundamentals of flight in air and space as they bring the concepts to life by designing and testing components related to flight such as an airfoil, propulsion system and rocket. They learn orbital mechanics concepts and apply these by creating models using industry standard software. They also apply aerospace concepts to alternative 30 applications such as a wind turbine and parachute. Students simulate a progression of operations to explore a planet including creating a map of the terrain with a model satellite and using the map to execute a mission using an autonomous robot.

SC-580-589: College Credit Courses

Grade: 11-12

1 Semester each

0.5 Graduation Credit each

Students who have completed or will complete all requirements for graduation but who wish to expand their study of science may take an approved college course for high school credit through one of JPII's partner schools. Please see the introduction for further administration notes.

TECHNOLOGY

IT-6-61: PLTW Gateway Design and Modeling

Grade: 6

Semester

0 Graduation

Credit

Prerequisites: None

Students discover the design process and develop an understanding of the influence of creativity and innovation in their lives. They are then challenged and empowered to use and apply what they've learned throughout the unit to design a therapeutic toy for a child who has cerebral palsy.

IT-7-62: PLTW Gateway Computer Science for Innovators and Makers

Grade: 7

Semester

0 Graduation

Credit

Prerequisites: None

This introductory course will allow students to discover computer science concepts and skills by creating personally relevant, tangible, and shareable projects. Throughout the unit, students

will learn about programming for the physical world by blending hardware design and software development. They will design and develop a physical computing device, interactive art installation, or wearable, and plan and develop code for microcontrollers that bring their physical designs to life.

IT-8-63: PLTW Gateway App Creators

Grade: 8

Semester

0 Graduation

Credit

Prerequisites: None

This unit will expose students to computer science by computationally analyzing and developing solutions to authentic problems through mobile app development and will convey the positive impact of the application of computer science to other disciplines and to society. Students will customize their experience by choosing a problem that interests them from the areas of health, environment, emergency preparedness, education, community service, and school culture. Because problems in the real world involve more than one discipline, the unit will introduce students to biomedical science concepts as they work on solutions for the specific problems they choose to tackle.

IT-611: Computer Science Essentials (PLTW)

Grade: 9-12

Full Year

1 Graduation Credit

Prerequisite: None

With emphasis on computational thinking and collaboration, this year-long introductory course provides an excellent entry point for students to begin or continue the Computer Science experience. Computer Science Essentials will expose students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence. Students will use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python and HTML to create apps and develop websites and learn how to make computers work together to put their design into practice. They'll apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them. Computer Science Essentials helps students create a strong foundation to advance to Computer Science Principles, Computer Science A, and beyond.

IT-631: AP Computer Science Principles (PLTW)

Grade: 10-11-12

Full Year

1 Graduation Credit

Prerequisite: Computer Science Essentials or Principles of Engineering

Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. Computer Science Principles helps students develop programming expertise and

explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. PLTW is recognized by the College Board as an endorsed provider of curriculum and professional development for AP[®] Computer Science (AP CSP). The endorsement affirms that all components of PLTW CSP's offerings are aligned to the AP Curriculum Framework standards and the AP CSP assessment.

IT-641: AP Computer Science A (PLTW)

Grade 11-12

Full Year

1 Graduation Credit

Prerequisites: Computer Science Principles or teacher recommendation

Computer Science A focuses on further developing computational-thinking skills through the medium of Android™ App development for mobile platforms. The course utilizes industry standard tools such as Android Studio, Java™ programming language, XML, and device emulators. Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases. PLTW is recognized by the College Board as an endorsed provider of curriculum and professional development for AP[®] Computer Science (AP CSA). The endorsement affirms that all components of PLTW AP CSA's offerings are aligned to the AP Curriculum Framework standards and the AP CSA assessment.

IT-651: Cybersecurity (PLTW)

Grade: 11-12

Full Year

1 Graduation Credit

Prerequisites: AP Computer Science Principles or AP Computer Science A

Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely.

IT-624: Robotics (Independent Study)

Grade: 9-10-11-12

Semester

.5 Graduation Credit

Prerequisites: Administration Approval

Robotics is a lab-based course that uses a hands-on approach to introduce the basic concepts of robotics, focusing on the construction and programming of mobile robots. Students will work in teams to build and test increasingly more complex robots in preparation for the VEX Robotics competitions. Class members are expected to participate on a JPII SHIELD Robotics Team,

maintain an engineering notebook, attend scheduled tournaments (usually on Saturdays), volunteer with tournaments hosted by JPll, and contribute to fundraising efforts.

IT-661: Information Technology (Independent Study)

Grade: 11-12

Semester

.5 Graduation Credit

Prerequisites: Administration Approval

A student assigned as a technology student assistant will be responsible for helping JPll maintain their digital infrastructure and provide troubleshooting assistance to both students and teachers.

Social Studies

SS-631: World History

Grade: 6

Full Year

0 Graduation Credit

Prerequisite: none

Students will examine the history and geography of the world from the Early Mesopotamians to the Renaissance. They will identify and examine the changing relationships throughout the world as well as the exchange of ideas, beliefs, technologies, and goods throughout. They will study the concepts from the Ancient Civilizations, Ancient Egypt, Eastern Civilizations, the Greco/Roman Civilizations, North African Civilizations, Mesoamerican Civilizations, and the Medieval time to the early Renaissance. This course incorporates reading and writing strategies centered on document-based questions. The focus on map skills, primary source analysis, and applied reading comprehension skills will be taught and reinforced to aid in the student's understanding of the events in ancient history.

SS-731: World Cultures

Grade: 7

Full Year

0 Graduation Credit

Prerequisite: none

Students will examine the history and geography of the world by region. They will identify and examine the changing relationships throughout the world as well as the exchange of ideas, beliefs, technologies, and goods throughout. They will study concepts such as the Renaissance, Age of Exploration, Colonialism, Absolutism, Scientific Revolution, the Industrial Revolution, Imperialism, and World War I through the eyes of a human geographer. This course incorporates reading and writing strategies centered on document-based questions. The advance of writing skills will include the construction of a thesis supported with evidence from primary sources. The focus on map skills, primary source analysis, and applied reading comprehension skills will be taught and reinforced to aid in the student's understanding of the connection between geography and movement of people and ideas that has led to modern day successes and issues.

SS-831: South Carolina and United States History**Grade 8****Full Year****0 Graduation Credit***Prerequisite: none*

Students will study the history of the United States from the indigenous people of America to the end of Reconstruction in 1877 with an emphasis on the role that South Carolina played throughout. Students will study and analyze Early American history including the American Revolution and writing of the Constitution, the Age of Jackson, Westward Expansion, and the rise of sectionalism before the course finishes with the Civil War and Reconstruction. This course will focus on teaching students reading comprehension, critical thinking, problem solving, and analytical skills.

SS-832: Advanced South Carolina and United States History**Grade 8****Full Year****0 Graduation Credit***Prerequisite: 7th grade History teacher recommendation*

This course establishes the foundation for success in the Advanced Placement courses at the high school level and requires dedicated students who are looking for a more in-depth study of history. Students will examine the history of the United States from the indigenous people of America to the end of Reconstruction in 1877 with an emphasis on the role that South Carolina played throughout. Students will study geography, history, economics, and government during this class. Students will learn to think analytically with the use of primary and secondary sources to compare events, examine cause and effect relationships, and identify links between historical and modern-day issues. Students will improve upon their ability to form and argue their views through argumentative writing using research. The advanced expectations of writing skills will include the construction of a thesis supported with evidence from primary sources.

CORE COURSES**SS-309: Pre-AP World History****Grade: 9****Full Year****1 Graduation Credit***Prerequisites: Qualifying scores on MAP assessment and above average reading level.*

Pre-AP World History and Geography focuses deeply on building the skills, knowledge and confidence that will propel students through high school coursework, college, careers, and civic life. The historical timeframe covered is 1450 to present day. The course explores the invisible structures and forces that shape and reflect the regions, communities, governments, economies, and cultures of humanity. These big ideas help students develop an organized and meaningful understanding of time and space. As historians and geographers uncover new evidence, current assumptions are challenged, and previous arguments and narratives gain complexity, nuance, and context. This course teaches students how to examine sources and data, establish inferences, and ultimately build and critique arguments. Learning is designed to be a disciplinary apprenticeship where students participate in the process of discovery.

Students will play the role of historian and geographer by practicing the detective skills and using the tools of each field of study.

SS-311: World History

Grade: 9

Full Year

1 Graduation Credit

Prerequisites: None

Students will examine the history and geography of the world from the Renaissance to World War I. They will identify and examine the changing relationships throughout the world as well as the exchange of ideas, beliefs, technologies, and goods throughout. They will study the concepts from the Renaissance, Age of Exploration, Colonialism, Absolutism, Scientific Revolution, the Industrial Revolution, Imperialism, and World War I. This course incorporates reading and writing strategies centered on document-based questions. The focus on map skills, primary source analysis, and applied reading comprehension skills will be taught and reinforced to aid in the student's understanding of the events in world history that has led to modern day issues.

SS-319: AP Human Geography

Grade: 9

Full Year

1 Graduation Credit

Prerequisites: Qualifying scores on the PSAT, SAT, or ACT; and/or teacher recommendation

AP Human Geography introduces high school students to college-level introductory human geography. The content is presented thematically rather than regionally and is organized around the discipline's main subfields: economic, cultural, political, and urban geography. The approach is spatial and problem oriented focusing on analysis of information in maps, images and data. There is an emphasis on understanding the world in which we live today through a geographic, cultural and historical lens.

SS-341: United States Government

Grade: 10

1 Semester

0.5 Graduation Credit

Prerequisites: concurrent enrollment in Economics (see SS-351)

This course examines the basic principles of our government: the workings of the legislative, the executive, and the judicial branches, and the sharing of power between the state and federal governments. The course also includes a study of political parties, interest groups, civil liberties and civil rights.

SS-349: AP United States Government and Politics

Grade: 10

Full Year

1 Graduation Credit

Prerequisites: Qualifying scores on the PSAT, SAT, or ACT; and/or previous social studies and English courses.

This is a reading intensive course which explores the creation and evolution of the U.S. Government and the U.S. political system. Students will develop an in-depth understanding of the historical context and modern application of law, policy, and politics. Critical thinking will link the social factors of race, gender, religion, and power to the reality of governance. Please see Administrative Rules Governing AP in the introduction.

SS-351: Economics

Grade: 10

1 Semester

0.5 Graduation Credit

Prerequisites: Concurrent enrollment in United States Government (see SS-341)

The primary focus of the course is to present the student with a practical understanding of capitalism and the modern characteristics of the American economic system. Topics considered include investments, financial planning, insurance, taxation, supply and demand factor, economic downturns and cures, monetary systems, international trade, and domestic policy

SS-331: United States History

Grade: 11

Full Year

1 Graduation Credit

Prerequisites: None

This exploration of American history is a survey course covering Reconstruction through modern history. Students will develop an understanding of the cultural, political, and economic factors that worked, and continue to work, to create our country. Exploration of the varied cultures, including Native Americans and the immigrant experience, will help students critically link the unique American experience. The flexibility of the Constitutional system will also be explored.

SS-339: AP United States History

Grade: 11

Full Year

1 Graduation Credit

Prerequisites: Qualifying scores on the PSAT, SAT, or ACT; and/or previous social studies and English courses.

This Advanced Placement course is designed to provide students with the analytical skills and factual knowledge needed to evaluate materials and issues pertinent to the American experience. Students will analyze and synthesize information from open-ended and document-based essays, novels, diaries, letter, newspapers, and speeches. Successful students have strong reading comprehension and rhetorical skills, and the ability to analyze and synthesize a broad range of information. Please see Administrative Rules Governing AP in the introduction.

ELECTIVES

SS-329: AP European History

Grade: 11-12

Full Year

1 Graduation Credit

Prerequisites: Qualifying scores on the PSAT and/or previous social studies and English courses.

This Advanced Placement course focuses on the political, economic, and cultural impact of Europe on the modern world by exploring and analyzing European history from 1450 to present day. This course is designed to provide students with the analytical skills and factual knowledge needed to evaluate materials and issues pertinent to European history and to grasp how those issues impact modern society. Students will analyze and synthesize information from open-ended and document-based essays, novels, diaries, letters, newspapers, and speeches. Successful students have strong reading comprehension and rhetorical skills, and the ability to analyze and synthesize a broad range of information. Please see Administrative Rules Governing AP in the introduction.

SS-363: AP Psychology

Grade: 11-12

Full Year

1 Graduation Credit

Prerequisites: Qualifying scores on the PSAT, SAT, or ACT; and/or previous social studies and English courses.

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas.

SS-369/FA-749: AP Art History

Grade: 11-12

Full Year

1 Graduation Credit

Prerequisites: Qualifying scores on the PSAT, SAT, or ACT; and/or previous social studies and English courses.

This course engages students at the same level as a college art history survey class. Students investigate the specific course content of 250 works of art and architecture, characterized by diverse artistic traditions from prehistory to the present to develop in-depth understandings of the history of visual art, culture and traditions from a global perspective. Please see Administrative Rules Governing AP in the introduction.

NOTE: At a student's request this course may be used to fulfill either a Fine Arts credit or Social Studies elective credit, but not both.

SS-380-389: College Credit Courses

Grade: 11-12

1 Semester each

0.5 Graduation Credit each

Prerequisites: Administrative Approval

Students who have completed or will complete all requirements for graduation but who wish to expand their study of the social studies may take an approved college course for high school credit through one of JPIL's partner schools. Please see introduction for further administrative notes.

World Languages

MS-401 Sixth Grade World Languages

Grade: 6

1 year

0 Graduation Credit

Prerequisite: No requirement

This course is designed to introduce students to the Spanish and Chinese languages. This cross curricular course integrates both languages through hands on, relevant, cultural activities that bring both languages to life. Students will begin to build their foundational understanding of both languages, giving them the tools necessary to continue with their studies of both languages. Students will learn unique elements and features of Spanish and Chinese cultures, engage themselves with real-life topics and festival activities, and explore their interest in these two languages.

MS-402 Seventh Grade World Languages

Grade: 7

1 year

0 Graduation Credit

Prerequisite: No requirement

This course is designed for students to gain an appreciation for and increase their experience with the Spanish and Chinese languages. The purpose of this course is to prepare student to be successful in learning either language at high school level. Through this course, students will build on their language foundations through culture and engaging language activities. Students will learn how to communicate in the target languages on a conversational level as well as important foundational concepts unique to each language. Students will learn through relevant, real life themes which allow them to apply the languages in their everyday lives.

Mandarin Chinese

WL-413: Mandarin I

Grade: 8-9-10-11

Full Year

1 Graduation Credit

Prerequisites: None

This introduction to Mandarin Chinese provides an interactive setting for students to develop the basic skills for speaking, reading, writing, and listening. Through individual and group activities, students will learn how to write at least 150 characters, have practical conversations,

and take information from a text. Chinese culture will also be explored through assorted group activities and assignments.

WL-423: Mandarin II

Grade: 9-10-11-12

Full Year

1 Graduation Credit

Prerequisites: Mandarin I

This course is a continuation of Mandarin I. Students will continue to practice skills for speaking, reading, writing, and listening through independent and interactive activities. Students will improve in comprehension of real-life conversations through group and interactive activities. Students will recognize and write more than 300 Chinese characters. Chinese culture will continue to be explored through activities and projects.

WL-434: Honors Mandarin III

Grade: 10-11-12

Full Year

1 Graduation Credit

Prerequisites: Qualifying scores in Mandarin II.

This more accelerated course builds on the foundation of Mandarin I and II with expanded vocabulary, advanced language expressions, and more complex grammatical concepts. Students will participate actively in oral and written practices and learn to sustain a conversation in a more fluent and consistent way. Skills and cultural awareness will be supported through learning about traditional and contemporary cultural products and perspectives.

WL-444: Honors Mandarin IV

Grade: 11-12

Full Year

1 Graduation Credit

Prerequisites: Qualifying scores in Honors Mandarin III.

This is an advanced course for students who have completed three years of high school Chinese courses. The class focuses on listening, speaking, reading, and writing Mandarin at a highly academic level. Students will be required to use Mandarin in the classroom, learn to use a broader array of colloquiums and idiomatic expressions and enhance their language skills by analyzing traditional and contemporary texts.

WL-445: AP Chinese Language and Culture

Grade: 11-12

Full Year

1 Graduation Credit

Prerequisites: Qualifying scores in Honors Mandarin III

AP[®] Chinese Language and Culture course is designed for high school students who have successfully completed at least three years of Chinese courses. Through the course, students will further develop their communication skills and cultural competence. The goal of this course

is that, by the end of the school year, students are expected to perform at the Intermediate range across the three communication modes; interpretive, interpersonal, and presentation as described in the *ACTFL Performance Descriptors for Language Learners*. Developing appreciation and awareness of the Chinese cultures is an integral theme throughout the AP Chinese course. This course engages students in an exploration of both contemporary and historical Chinese culture.

Spanish

WL-411: Spanish I

Grade: 8-9-10-11

Full Year

1 Graduation Credit

Prerequisites: None

This fundamental course in Spanish provides students with an introduction to both conversational and academic Spanish. Students learn a basic understanding of the format of the Spanish language along with the vocabulary necessary to start formulating and creating authentic conversations. Students are also introduced to basic information about the different Spanish speaking countries.

WL-421: Spanish II

Grade: 9-10-11-12

Full Year

1 Graduation Credit

Prerequisites: Spanish I

This course reinforces the skills learned in Spanish I. Students will continue to learn how to produce the language through authentic activities and text from Spanish-speaking countries. Students will expand on their functional vocabulary and begin to learn more complicated grammar concepts and verb tenses.

WL-431: Spanish III

Grade: 10-11-12

Full Year

1 Graduation Credit

Prerequisites: Spanish II

Spanish III continues to build on skills and concepts instilled in students in previous courses. This course develops vocabulary and grammatical concepts on a deeper level and incorporates work in the target language. Students learn concepts that impact their everyday life. Students will gain a working understanding of the different past tenses, as well as more complex tenses and moods.

WL-432: Honors Spanish III**Grade: 10-11-12****Full Year****1 Graduation Credit***Prerequisites: Qualifying scores in Spanish II*

This accelerated course is designed for highly motivated students who can keep up with the rigor and expectations of an honors curriculum. Study includes more complex grammar structures and verb tenses which brings the students closer to gaining fluency in Spanish. Students will learn through reading and viewing authentic resources from Spanish-speaking countries.

WL-442: Honors Spanish IV**Grade: 11-12****Full Year****1 Graduation Credit***Prerequisites: Qualifying scores in Spanish III.*

Honors Spanish IV is intended for advanced students who have a strong fundamental understanding of the Spanish language and an appreciation of Hispanic culture. This immersive course focuses on current events and themes through the introduction of authentic resources from various Spanish-speaking countries. Students apply the language using articles, movies, conversations, and websites. Students make connections and dive deeper into conventional themes in the world around them.

AP Spanish Language and Culture**Grade: 11-12****Full Year****1 Graduation Credit***Prerequisites: Honors Spanish III*

AP[®] Spanish Language and Culture course is designed for high school students who have successfully completed at least three years of Spanish courses. Through the course, students will further develop their communication skills and cultural competence. The goal of this course is that, by the end of the school year, students are expected to perform at the Intermediate range across the three communication modes; interpretive, interpersonal, and presentation as described in the *ACTFL Performance Descriptors for Language Learners*. Students will develop their Spanish language skills while learning about the cultures in Spanish-speaking parts of the world. They will practice communicating in Spanish and study real-life materials such as newspaper articles, films, music, and books.

WL-480-489: College Credit Courses**Grade: 11-12****1 Semester each****0.5 Graduation Credit each***Prerequisites: Administrative Approval*

Students who have completed or will complete all requirements for graduation but who wish to expand their study of a world language may take an approved college course for high school credit through one of JPIL's partner schools.

Note: In addition to the two world languages offered at the school, it is possible, with administrative approval, for students to fulfill the language requirement through three years of high school level study of another world language or American Sign Language. Instructor qualifications must be reviewed, and instructional hours must meet high school standards.

Fine Arts

FA-670 Art 6

Grade 6

1 Semester

0 Graduation Credit

Prerequisites: None

This introduction to visual arts introduces students to new materials in order to focus on the proper use of media to grow technical skill in both 2-D and 3-D art. Students will begin use self-reflection and peer evaluation to improve their art, as well as learning the value of group collaboration.

FA-771: Art 7

Grade 7

1 Semester

0 Graduation Credit

Prerequisites: None

This second introductory to visual arts class focuses on the Elements of Art through 2D and 3D projects. Students will gain technical skill while exploring color, value, line, shape, space, form, and texture. Students will continue to use self-reflection and peer evaluation to improve their art, as well as learning the value of group collaboration.

FA-872: Art 8

Grade 8

1 Semester

0 Graduation Credit

Prerequisites: None

In this final middle school visual art course, students focus on how the Elements of Art are used to show the Principles of Design, through 2-D and 3-D projects. Students will gain technical skill while exploring balance, unity, variety, emphasis, movement, pattern, and proportion. Students will continue to use written self-reflection and peer evaluation to improve their art, as well as learning the value of group collaboration.

FA-711: Art I

Grade: 9-10-11

Full Year

1 Graduation Credit

Prerequisites: None

ART I is a full-year course that will take what the students have already learned about the Elements of Art and Principles of Design and build upon those concepts and skills. Students will delve deeper into concepts, technical skill, and art history providing them with a more involved

art education. Students will focus on written self-reflection and peer evaluation to improve their art.

FA-722: Pre-AP Art

Grade: 10-11

Full Year

1 Graduation Credit

Prerequisite: Art I

The foundational concepts, instructional principles, and artistic practices at the heart of Pre-AP Visual Arts prepare students for participation in AP Art and Design. Students build and refine technical skills while also developing an understanding of art making as a means of communicating and investigating topics or ideas of significance. Additionally, Pre-AP instructional materials highlight works of art featured in AP Art History, giving students the opportunity to build familiarity with these foundational works and practice analyzing and interpreting a wide range of artistic examples. This course also prepares students for participation in the AP Capstone sequence of study. AP Capstone is a two-year program comprised of two courses Seminar and AP Research, focusing on skills of research, analysis of sources, constructing arguments, and communicating ideas. Pre-AP Visual Arts instruction highlights these skills as well, inviting students to analyze and respond to works of art, develop and refine their own ideas by drawing on a variety of source material, and constructively respond to the work of peers as it develops.

FA-747: AP 2D Art and Design

Grade: 11-12

Full Year

1 Graduation Credit

Prerequisite: Pre-AP Art

AP 2-D Art and Design is an introductory college-level two-dimensional design course for all students who are interested in inquiry-based thinking and creating. Students create and submit a 2-D portfolio of work to demonstrate inquiry through mark-making and development of materials, processes, and ideas over the course of a year. Through practice, experimentation and revision, student portfolios include works in two categories: (5) Selected Works and (15) Sustained Investigation. The Selected Works should show not only quality technical skill but also synthesis between the visual relationships among materials, processes and ideas. The Sustained Investigation works should include written and visual evidence of an inquiry (decided upon by the student) with evidence of practice, experimentation, and/or revision that furthers the investigation. Please see Administrative Rules Governing AP in the introduction.

FA-749 AP 3D Art and Design

Grade: 11-12

Full Year

1 Graduation Credit

AP 3-D Art and Design is an introductory college-level three-dimensional design course for all students who are interested in inquiry-based thinking and creating. Students create and submit a 3-D portfolio of work to demonstrate inquiry through development of materials, processes, and ideas over the course of a year. Through practice, experimentation and revision, student portfolios include works in two categories: (5) Selected Works and (15) Sustained Investigation. The Selected Works should show not only quality technical skill but also synthesis between the

visual relationships among materials, processes and ideas. The Sustained Investigation works should include written and visual evidence of an inquiry (decided upon by the student) with evidence of practice, experimentation, and/or revision that furthers the investigation. Please see Administrative Rules Governing AP in the introduction.

FA-748: AP Drawing

Grade: 11-12

Full Year

1 Graduation Credit

Prerequisite: Art I/Pre-AP Art/AP 2D Art and Design

AP Drawing is an introductory college-level two-dimensional design course for all students who are interested in inquiry-based thinking and creating. Students create and submit a drawing portfolio of work to demonstrate inquiry focusing particularly on mark-making and development of materials, processes, and ideas over the course of a year. Through practice, experimentation and revision, student portfolios include works in two categories: (5) Selected Works and (15) Sustained Investigation. The Selected Works should show not only quality technical skill but also synthesis between the visual relationships among materials, processes and ideas. The Sustained Investigation works should include written and visual evidence of an inquiry (decided upon by the student) with evidence of practice, experimentation, and/or revision that furthers the investigation. Please see Administrative Rules Governing AP in the introduction.

Fine Arts—Performing Arts

FA-770: Middle School Vocal and Instrumental Music

Grade: 6-7-8

1 Semester

0 Graduation Credit

Prerequisite: None

In this exploratory introduction to the world of music, students will learn about the various terminologies and symbols used in both vocal and instrumental music. Students will also learn to identify various genres of music and associate them with various time periods. This course serves to build a foundation of knowledge that can be applied to future, more advanced courses if the student wishes to peruse them.

FA-771: Middle School Introduction to Performing Arts

Grade: 6-7-8

1 Semester

0 Graduation Credit

Prerequisites: None

Introduction to Performing Arts (IPA) is an exploration of theatre, vocal and instrumental music, and performance art through observation, project-based learning, acquisition of vocabulary, and experiential learning. The intent of this course is to create self-aware, collaborative, and educated performing artists who feel comfortable sharing their talents in and outside of the classroom setting. Using the language of performance art, students will evaluate, analyze, and respond to their own works, the works of peers, and the works of professional artists. Through this course, students gain confidence as they develop skills in public speaking, peer-evaluation, and self-reflection. As a requirement for completion, students will be required to publicly deliver a spoken product.

FA-751: Music I**Grade: 9-10-11-12****Full Year****1 Graduation Credit***Prerequisites: None*

With an extensive focus on music analysis and appreciation, this whole-year course will focus on the vocabulary and symbols necessary to effectively understand, interpret, and explain various pieces of music. Students will learn the intricacies of tempo markings, musical form, dynamics, key and time signatures, note identification and score reading. Members of JP II's vocal and instrumental ensembles are strongly encouraged to take this course.

FA-752: Pre-AP Music**Grade 10-11-12****Full Year****1 Graduation Credit***Prerequisites: Music One or teacher recommendation*

Students will be introduced to various concepts of music theory, aural skills, and sight-singing. These concepts include but are not limited to: pitch, rhythm, scales, chords, as well as other musical terms and symbols. This course is intended for 10-12 students with previous musical experiences, who intend on later enrolling in AP Music Theory and/or want a focused and challenging look into the basic structure and design of music.

FA-753: Music Performance**Grade: 9-10-11-12****Full Year****1 Graduation Credit***Prerequisites: None*

Students performing in Mass and other local performances as part of the JP II Vocal and Instrumental program, will be scheduled into a block of vocal and instrumental musicians to facilitate rehearsal, preparation for Mass, and general singing intonation. The vocal musicians registering for this course will be required to sing in weekly masses and school events. The instrumental musicians will be required to perform at weekly masses but also may participate in the JP II pep band. For those musicians, we will offer this class to students that have already had exposure to their instrument of choice. Basic lessons can be offered by the teacher, but an outside instructor is encouraged. Those who are not enrolled in this class can still participate in weekly mass performances, but it is highly encouraged. *NOTE: Limited Enrollment

FA-772: Theatre I**Grade: 9-10-11-12****Full Year****1 Graduation Credit***Prerequisites: None*

This first high school level course in Theatre expands on the elements of Performing Arts and the principles of acting, music, and performance learned in the middle school Introduction to Performing Arts. Students will focus on technical skills in acting, directing, dance, scriptwriting, performance, and public speaking to create formal and informal theatre, film/videos, and electronic media productions and to perform in them. Using the language of performance art, students will evaluate, analyze, and respond to their own works, the works of peers, and the works of professional artists.

FA-773: Pre-AP Theatre**Grade: 10-11-12****Full Year****1 Graduation Credit***Prerequisites: Theatre I*

Pre-AP Theatre is for the serious theatre students who plans to continue with theatre beyond high school. Although College Board does not yet offer AP courses in theatre, the foundational principles and artistic practices addressed in Pre-AP Theatre relate to the AP Capstone sequence of study, focusing on skills of research, analysis of sources, constructing arguments, and communicating ideas. Pre-AP Theatre instruction highlights these skills as well, inviting students to analyze and respond to works of theatre, develop and refine their own ideas by drawing on a variety of source material, and constructively respond to the work of peers as it develops.

Fine Arts—Media Arts**IT-650: Gaming Concepts: Fundamentals****Grade: 7****1 semester****0 Graduation Credit***Prerequisites: None*

Students will explore esports history, game genres, esports technology, hands-on troubleshooting, and college and career readiness with a technology focus. The course allows students to practice good gamer health and engage in digital citizenship, social-emotional learning, teamwork, journaling, and reflection.

IT-651 Gaming Concepts Middle School: Exploring Life Skills Through Scholastic Gaming**Grade: 8****1 semester****0 Graduation Credit***Prerequisites: None*

This course uses esports to engage students and teach them skills to help their transition to high school. Lessons focus on organization, perseverance, self-advocacy, self-regulation, time management, responsible decision making, digital citizenship, and social-emotional learning. Evidence-based Mental Health Moments, proven to increase student mental health, are also naturally embedded in lessons.

IT-652: Yearbook**Grade: 10-11-12****Full Year****1 Graduation Credit***Prerequisites: Art One or Multimedia Storytelling*

This hands-on, workshop-style course is designed to introduce students to the basics of print journalism, photography, and graphic design. The course is centered on the production of JPII's yearbook. Students write feature articles, peer edit, conduct interviews, take photographs, design yearbook pages, create a marketing plan, and solicit individual advertising. This course can serve as a Fine Arts credit, an English credit, or a Technology credit. *NOTE: Limited Enrollment

IT-653: Yearbook Leadership**Grade: 11-12****Full Year****1 Graduation Credit***Prerequisites: Yearbook*

This yearlong course puts what the student learned in at least one previous year on the yearbook staff and places them in the role as JPII yearbook editor. This position requires the student to oversee the deadlines, content creation, proofing and final submission of the yearbook. The editor must be able to collaborate with the staff but primarily lead and hold peers accountable through a successful yearbook season. *NOTE: Limited Enrollment

IT-656 Exploring Interactive Media and Esports Topics**Grade: 9-12****Full Year****1 Graduation Credit**

A project-based course about digital graphics, print media, computer animation, audio production, video production, web design, and other newly-emerging forms of digital media. Through digital media projects, students will learn how to facilitate meetings, serve as team leaders, manage project timelines, give and receive constructive criticism, and produce professional products. This course can serve as a Fine Arts credit, an English credit, or a Technology credit.

Health and Physical Education

PE-771: Middle School PE**Grade: 7-8****Full Year****0 Graduation Credit***Prerequisite: none*

In this first middle school level course in physical education, students will focus on athleticism, as well as lifetime wellness skills and activities.

PE-901: Health**Grade: 9-10****1 Semester****.5 Graduation Credit***Prerequisites: None*

The health course introduces the student to proper health care, knowledge of nutrition, body dynamics, mental health, drug, and alcohol education. Ways of developing a healthy lifestyle are emphasized.

PE-911: Physical Education**Grade: 9-10-11-12****1 Semester****.5 Graduation Credit***Prerequisites: None*

This course consists of the fundamentals of various team, recreational, lifetime, and individual sports. Emphasis is on coordination, agility, physical fitness, injury prevention, and safety.

PE-924: Lifetime Wellness**Grade: 10-11-12****1 Semester
Full Year****.5 Graduation Credit
1 Graduation Credit***Prerequisites: None*

In this course, students will learn the fundamentals of yoga, pilates, and core training. Areas of focus will be on low impact activities to improve overall flexibility, strength, core & cardiovascular endurance. Reduction of stress and increased ability to focus is an added benefit that typically coincides with yoga practice. Students will learn such activities as Tae Bo, medicine or stability ball work, & hand weights. This course can serve as a Health credit if Health was not taken in 9th or 10th grade.

PE-925: Strength and Conditioning**Grade: 10-11-12****1 Semester
Full Year****0.5 Graduation Credit
1 Graduation Credit***Prerequisites: PE I*

In this course students learn the fundamentals of weight training, strength training, aerobic training, and overall fitness training and conditioning. The students will become familiar with weight room equipment and safety, exercise terminology, and proper technique used for obtaining optimal physical fitness. The students will be tested to determine a baseline as they begin their program and will be assessed throughout the course to determine progress.

PE-947: Team Sports**Grade: 9-10-11-12****1 Full Season****0.5 Graduation Credit***Prerequisites: None*

A student may earn one-half of a graduation credit toward fulfillment of JPPI's Health and Physical Education graduation requirements through active participation on one of JPPI's varsity interscholastic athletic teams. The student must join the team by the first day of team practice as mandated by SCISA's sports calendar and remain on the team in good standing for the full season. After the season is completed, the student must submit to JPPI administration a form signed by the varsity head coach verifying the student has met all the requirements necessary for the school to award course credit. The varsity head coach of each sport has the right and obligation not to sign a verification form if he or she determines the student did not adequately fulfill the requirements of "active participation in good standing for the full season". A JPPI student may opt to receive this credit only once in his/her time at JPPI, allowing the student to earn a maximum of one-half credits toward graduation requirements.

PE-951: Sports Medicine and Athletic Training (Independent Study)**Grade: 11-12****1 Semester****0.5 Graduation Credit***Prerequisites: Biology I or Human Body Systems (limit two students per semester)*

The Introduction to Sports Medicine and Athletic Training Beginning course is designed for students who are interested in fields such as athletic training, physical therapy, medicine, nurse, fitness, physiology of exercise, kinesiology, nutrition, EMT, and other sports medicine related fields. It is offered as a classroom and lab course to provide students with an avenue through which to explore these fields of study. This course focuses on the basic information and skills important in the recognition of, care, prevention, and preliminary rehabilitation of athletic injuries. The course includes class work and hands on application. Requires attendance at athletic events.

PE-961: Introduction to Sports Management (Independent Study)**Grade: 11-12****1 Semester****0.5 Graduation Credit***Prerequisites: permission of the instructor (limit two students per semester)*

This course provides students with an introduction to sports management. Working under the supervision of the Director of Athletics, students will participate in the planning and execution of a sports season(s) at JPII. From scheduling, budgeting, preparation of playing fields, and game management, students will gain the practical knowledge and experience of running an interscholastic athletic department.

PE-971: Sport Psychology**Grade: 11-12****1 Semester****0.5 Graduation Credit***Prerequisites: None*

Sport Psychology is a one-semester physical education elective course intended for student-athletes enrolled in grades eleven and twelve. This course provides student-athletes with an initial understanding of the basic principles of sports psychology. The class will have practical application in that it will relate sport science and psychological understandings to current student-athletes concerns. In addition, students interested in postsecondary study or careers in the fields of clinical and educational sports psychology, coaching, personal training, athletic training, and physical education will find this course of interest.

Non-Departmental Offerings**ND-969: Student Leadership Independent Study****Full Year****1 Graduation Credit***Prerequisites: Must be an elected member of Student Leadership Council.*

Students participating in the Student Leadership Independent Study course will work closely with the Student Leadership Council Moderator to plan and implement a variety of school activities. This class will focus on skills that are needed to layout, plan and implement events

independently. Students will be expected to oversee a variety of activities including Hispanic Heritage Month, Black History Month, Women’s History month, Friendsgiving and other events. Also, the student will be responsible for creating a new program(s) for the school community from inception through execution of the event.

ND-970: Study Skills

Grade: 9-10-11-12

1 Semester

0.5 Graduation Credit

Prerequisites: Marian Center Student or Administrative Approval

This course is designed to help students master their ability to study, learn, and retain information in a manner that most aptly fits their learning style. In both small group settings and one-on-one advising students will learn how to use time effectively, improve listening skills, develop strategies for taking better notes, avoid procrastination, and develop self-motivation. Students will be monitored frequently for academic progress, organization of materials and time management.

*NOTE: Students may enroll in ND-970 each year of attendance at JP II; however, a maximum of 1 full credit may be earned to fulfill graduation requirements. Enrollment is limited.

ND-999: Unassigned Period

Grade: 11-12

1 Semester

0 Graduation Credit

Prerequisites: Administrative Approval

Because of the extra demands of AP and college credit courses, JP II students who are enrolled in two or more AP or college credit courses, meet certain behavioral requirements, and have met other course requirements may elect to schedule an unassigned period to provide additional time to meet the rigor of their schedule. The student’s overall schedule will determine the time of the *Unassigned Period*.

*NOTE: Seniors may not schedule both an *Early Dismissal* and an *Unassigned Period* in the same semester.

Please note: Though a course may be listed in the catalog, credit requirements, student interest, and instructor availability are the determining factors in whether or not a course will be scheduled in a given academic year. Elective courses may be offered in alternating years. Required courses and course descriptions are subject to change as diocesan curriculum develops and undergoes revision.