

Be not afraid to seek the splendor of truth and to live the gospel of life.



Pope John Paul II
HIGH SCHOOL

2023-2024 Course Catalog

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POPE JOHN PAUL II

HIGH SCHOOL

March, 2023

Dear Golden Panthers,

Pope John Paul II High School clearly states as a part of our mission statement that “we are a center of academic excellence rigorously preparing students to be contributing members of the global community with the ultimate goal of eternity in Heaven.” In the pages that follow, you will find the 2023-2024 Pope John Paul II High School Course Catalog, a summary of the academic offerings and course partnerships which will assist you in achieving the mission of PJPII. I am proud of the strong and diverse academic program which PJPII has to offer its students and the dedicated faculty who teach these courses. Please pay particular attention to the new course offerings that we have created to enhance our already extensive curriculum. I think you will find there is something for everyone here.

The course selection process is an important step for every student; I would encourage you to engage in this process using all the resources at your disposal. Discuss your course selections with your parents. Seek out advice from your guidance counselor, talk to your present teachers, and the Assistant Principal of Academic Affairs. As you select courses for the next academic year, be sure you are selecting courses that highlight your talents and also challenge you, so that your academic profile and resume fully demonstrate your God given talents.

All of us who teach and administer at PJPII are dedicated to an academically challenging and profoundly spiritual education for every PJP student. I pray that in the spirit of our patron, Pope Saint John Paul II, you always “seek the splendor of truth and live the Gospel of life.”

Sincerely in Christ,

Mrs. Kathleen Guyger
Principal



POPE JOHN PAUL II

HIGH SCHOOL

Dear students,

We are very proud of our dedication to academic excellence, and are excited to introduce some exciting new courses for next year! The Theology department is expanding upon ***Faith in Action*** which is designed to help students nurture and deepen their relationship with Christ by offering the 2nd level of this course to 12th grade students. The Fine Arts department is introducing ***Choral Music*** and ***Print Making***. The Mathematics Department is introducing ***AP Computer Science Principles*** and piloting ***AP PreCalculus*** which is a new course introduced by the CollegeBoard this year. Detailed information about each of these new offerings can be found in the course listings that follow in this catalog.

This is an exciting time, and the selection of courses is a responsibility that requires time and careful consideration. It is important that you seek the assistance of those qualified to help you choose the best path for you to follow. Your parents are interested in making sure that you follow a course path that will nurture both your talents and abilities to be sure you are prepared for success after high school. Your teachers, both past and present, are good sources of advice as they have witnessed firsthand your scholastic performance and effort and have a deep understanding of the demands of each course in their department. Finally, your guidance counselor is well informed about the general requirements you will need to meet to attain specific goals. As you approach the course selection process for the 2023-2024 academic year, I encourage you to reflect on the things that you are interested in and curious about while considering your strengths, weaknesses, and academic goals.

Curious rising juniors and seniors continue to have the opportunity to expand their learning beyond the walls of PJP through our partnerships with the Arrupe Virtual Learning Institute (AVLI) and Immaculata University for an additional course fee. Course descriptions, prerequisites, and associated costs are included in this catalog to familiarize yourself with what courses may interest you.

Individual course selection will take place on-line via PowerSchool. Students must first select from the available courses that they are required to take to meet their graduation requirements. For required courses, a student's level is determined by their current teachers' recommendation, 1st semester grade, testing results, and the general average.

It is important that you take the time to seek the advice and guidance of your parents. As you choose your courses, remember to select courses that will interest and challenge you as these courses and the grades that you earn them will be a part of your academic profile and you want to be sure that they clearly reflect your God given talents and abilities.

Warmly,

Mrs. Megan M. Sullivan
Assistant Principal of Academic Affairs

Pope John Paul II High School

Be not afraid to seek the splendor of truth and to live the gospel of life.

Vision and Mission

Vision: In a God-centered environment, rooted in the Catholic faith, we strive to cultivate the intrinsic talents of each individual, to become a lifelong learner who possesses the spiritual, personal and intellectual skills necessary to navigate life's challenges.

Mission: Pope John Paul II assists in the formation of students to be full and practicing members of the Church while simultaneously recognizing and respecting the diversity of our student body. We are an inclusive community centered on academic excellence that rigorously prepares students to be contributing members of the global community as disciples of Christ with the ultimate goal of eternity in Heaven.

Profile of a Graduate

This statement represents the intentionality of the four year high school program at Pope John Paul II Catholic High School: to prepare and shape each student for a lifetime of success and contribution in an ever changing world. We offer this statement as an articulation of the kind of individual we are striving to form. The Pope John Paul II High School graduate is rapidly approaching young adulthood. The movement from childhood toward adulthood has involved physical, emotional, intellectual, and spiritual development. During the four years prior to graduation, the adolescent has begun to realize that one can do some things well, sometimes very well, but there have been failures and disappointments. All of these experiences have helped the student to mature.

During high school, the graduate has begun to realize the complexity of the adult world. While not yet understanding this complexity, he or she is seeking the means to clarify it. Despite the inner turmoil of these developing years, the graduate looks out on the adult world with a growing desire to enter the world. As confidence with peers has grown, the graduate can reasonably and intelligently react to given social situations, some of which demand mature and ethical choices carrying serious consequences.

In describing the graduate, qualities were chosen which seem desirable not only for this threshold period, but also those which seem most desirable for adult life. The qualities characterize the type of individual who can live as a "Person for Others" and were divided into five categories: Open to Growth; Intellectually Prepared; Catechistically Formed; Relational, and Committed to a Just and Service-Oriented Lifestyle.

Academic Information

The Office of Catholic Education of the Archdiocese of Philadelphia has established minimum standards for graduation from all archdiocesan secondary schools. In accordance with these standards, Pope John Paul II High School maintains an academic program which includes these required courses.

Graduation Requirements

Pope John Paul II High School will award a diploma to students for the successful completion of the prescribed course of studies. The minimum requirements are 26.0 credits in grades 9 through 12 as follows:

4.0 credits	Theology
4.0 credits	English
3.0 credits	Social Studies
3.0 credits	Mathematics
3.0 credits	Science
2.0 credits	World Language*
0.5 credits	Health
0.5 credits	Physical Education
0.5 credits	Fine Arts (selected from available electives)
0.5 credits	Technology (selected from available electives)
5.0 credits	Electives

**Students following the Standard Curriculum are expected to satisfy a minimum of 2 consecutive credits in the same World Language. Some students who elect to enroll in the remedial Math and Study Strategies courses provided by the Montgomery County Intermediate Unit and/or register in the PAWS program may be exempted from this expectation.*

Freshmen and sophomores are required to take seven credits each year. Juniors and seniors are encouraged to register for seven credits, and required to take six credits each year. Entrance into elective courses is subject to departmental approval and available space. Students are placed in elective courses according to the date of their registration for the school year in which the course is offered. Elective courses are offered based on the number of students requesting the course at the time of course selection. While individual circumstances may suggest deviation from the standard program, students generally follow the following outline for course work each academic year.

Required and Elective Courses

FRESHMAN YEAR

9th grade students are required to be enrolled in 7 academic courses.

Required (5): Theology, English, Mathematics, Science, Social Studies

Electives (2 required): World Language, Fine Arts, Intro to STEM, Math and/or Study Strategies

SOPHOMORE YEAR

10th grade students are required to be enrolled in 7 academic courses

Required (5): Theology, English, Mathematics, Science, Social Studies

Electives (2 required): World Language, Fine Arts, Health/Physical Education, Math and/or Study Strategies

JUNIOR YEAR

11th grade students are required to be enrolled in 6 academic courses and are strongly encouraged to enroll in 7.

Required (5):	Theology, English, Mathematics, Science, Social Studies
Electives (1 required) (2 recommended)	World Languages, Fine Arts, Business and Technology, Health and Physical Education, AVLI courses (additional fees), Dual Enrollment courses (additional fees), VoTech Studies, Math and/or Study Strategies

SENIOR YEAR

12th grade students are required to be enrolled in 6 academic courses and are strongly encouraged to enroll in 7.

Required (2)	Theology and English
Electives (4 required) (5 recommended)	Mathematics, Science, Social Studies, World Languages, Fine Arts, Business and Technology, Health and Physical Education, AVLI courses (additional fees), Dual Enrollment courses (additional fees), Diocesan Scholar Courses (special program admission required), VoTech Studies, Math and/or Study Strategies.

Academic Programs

- **CP: College Preparatory**
- **Honors**
 - *Admission to this program is based upon past academic achievement in the subject area, teacher recommendation, and department chairperson approval.*
- **AP: Advanced Placement**
 - *Refers to courses that utilize the course of study developed and overseen by the Advanced Placement Program of the College Board. All students registered in an AP Level Course are required to take the AP exam, including those courses taken through the AVLI program. Upon acceptance, the student is offered the opportunity to register for the course through the course selection process and is committed to the class for the following year. Students are not permitted to drop an AP course after enrollment is confirmed.*

Each student's academic performance is carefully analyzed to determine the appropriate program for the individual. It is possible for a student to be enrolled in courses from multiple programs depending on their abilities in varied disciplines.

Assignment to programs is made by the current teachers after the first semester assessments, prior to the course registration process. Freshmen are initially placed in a program using data from several sources: the seventh and eighth grade marks, standardized testing results, and grade school teachers' recommendations. Program placement is re-evaluated each year, and re-assignment is based on the student's individual development within the assigned program. In general, students requesting consideration for placement in the Honors program for the following year need to be performing at high academic achievement level in the College Preparation program, above average level in the Star Assessment tests, and Teacher's approval. *Further, students performing at a level below 85 in the Honors program may be recommended to move down to the College Preparation program.*

The final decision about student placement is the responsibility of the Assistant Principal for Academic Affairs. Both the classroom teachers and the Office of Academic Affairs invest extraordinary care in making program recommendations and decisions for each student. ***Therefore, program assignments are ordinarily not reevaluated once the school year has begun.***

SPECIAL PROGRAMMING

Advanced Placement Program

The College Board sponsors the Advanced Placement Program of study in high schools nationwide. Upon completion of an Advanced Placement (AP) course, students take the Advanced Placement examination in that discipline. Students who receive a score of “3” or better (on a 5-point scale) are certified by CEEB to receive college credit for the course. At the colleges’ discretion, college credits earned in the AP Program are transferable. Students earn one credit toward graduation from Pope John Paul II by successfully completing an AP course. Every student registered in an AP course must take the “AP Examination” in that discipline in the spring semester, including those taken by dual enrollment with the Arrupe Virtual Learning Institute. Students are required to pay for the AP Exam which will be billed to the FACTS account.

Diocesan Scholars Program

In the Spring of Junior year, a select number of superior students at Pope John Paul II are invited to apply for the Diocesan Scholars Program. Candidates for the program take part in a rigorous selection process that includes a review of their high school records, confirming evaluations by members of the faculty, submission of a qualifying essay to the selection board, and a personal interview with the selection board. Candidates who are recommended through this process to the Office of Catholic Education are assigned a placement at one of the participating colleges. The student takes four courses at PJP II and two courses each semester at a local Catholic college/university.

Montgomery County Intermediate Unit Services

Montgomery County, under the auspices of the Intermediate Unit, offers a program titled Study and Math Strategies. Placement in these courses is limited and reserved for those students whose test scores and past performance indicates a need for additional academic support. Students whose academic history suggests that they will benefit from these services may be encouraged to register for the remedial program. 9th grade students who enroll in this program do not take a World Language.

PAWS Program: *Panthers Achieving Worthwhile Success*

Recognizing that all students approach learning from a unique and individual position, Pope John Paul II High School proudly offers the PAWS program to best support our learners who require additional resources beyond traditional classroom offerings. The PAWS program is available to students with a diagnosed learning difference or need that is supported by an IEP, 504 plan, or medical documentation. Students who are enrolled in the PAWS program enroll in the rostered Panther Performance class and are charged an additional fee to support the instructional program and one to one attention.

Vo-Tech Programs

Pope John Paul II has agreements with the following Vo-Tech Programs:

- CAT Pickering
- Western Center for Technology Studies
- Central Montgomery County Area Center for Technical Studies.

Due to scheduling constraints, students usually do not qualify to enroll in a Vo-Tech program until their Junior Year when they have completed half of their graduation requirements. The students take four (4) courses at Pope John Paul II for one-half of the school day and complete the remainder of the day at the Vo-Tech School. The complementary course of study provides three (3) credits per year, and will qualify the student for a High School Diploma while giving the student entry-level skills in specific trades.

Because of the uniqueness of the Vo-Tech time shared program, a student may not always be able to obtain the subjects or program level that he/she has requested from either school. Participation in Vo-Tech Programs is contingent upon the school district of residence.

Letter Grade and Overall Average Value Conversion Table

Students enrolled in Diocesan Scholars and other Dual Enrollment opportunities are usually issued letter grades from the reporting entity. In such cases, the issued letter grades are converted to numeric values using the following conversion table:

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

Grades reported as letters **MUST** be converted using the conversion table, even an average presented in the learning management program reflects a different value.

Rank in Class is determined by average quality points.

The quality points earned in a course are multiplied by the credits given for that course. These points are added to determine the total quality points. The total number is then divided by the number of credits using the adjustment table below. This gives an advantage to those students who carry a heavier load.

ADJUSTMENT TABLE

CREDITS	Subtract
0.00 – 5.00	0.00
5.01 – 5.99	0.10
6.00	0.15
6.01 – 6.99	0.20
7.00	0.25

EXAMPLE: a student who earned 283 quality points in courses worth 7 credits would have the total divided by 6.75 and would receive a quality point average of 41.93. The quality point average for all students in the specific class are ranked in order of highest to lowest with the highest being first.

Rank in Class is determined by average quality points.

HONORS

Honors are awarded to recognize achievement in major subjects regardless of the student's course load or Program.

- **First Honors:** General average of 93 with no single grade below 90
- **Second Honors:** General average of 88 with no single grade below 85

Weighted GPA Scale

Grade	AP	Honors	CP
100	6.0	5.5	5.0
99	6.0	5.5	5.0
98	6.0	5.5	5.0
97	6.0	5.5	5.0
96	5.7	5.2	4.7
95	5.7	5.2	4.7
94	5.7	5.2	4.7
93	5.4	4.9	4.4
92	5.4	4.9	4.4
91	5.4	4.9	4.4
90	5.1	4.6	4.1
89	5.1	4.6	4.1
88	5.1	4.6	4.1
87	4.8	4.3	3.8
86	4.8	4.3	3.8
85	4.8	4.3	3.8
84	4.5	4.0	3.5
83	4.5	4.0	3.5
82	4.5	4.0	3.5
81	4.2	3.7	3.2
80	4.2	3.7	3.2
79	4.2	3.7	3.2
78	3.9	3.4	2.9
77	3.9	3.4	2.9
76	3.9	3.4	2.9
75	3.6	3.1	2.6
74	3.6	3.1	2.6
73	3.6	3.1	2.6
72	3.3	2.8	2.3
71	3.3	2.8	2.3
70	3.3	2.8	2.3
69	0	0	0
68	0	0	0
67	0	0	0
66	0	0	0
65	0	0	0

Quality Point Table

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

COURSE SELECTION PROCESS

NINTH-GRADE PLACEMENT PROCESS

Placement of freshmen is the result of several factors, which are incorporated into a formula with final decisions made by the Assistant Principal for Academic Affairs. The basis for placement consideration begins with the 7th grade final marks, the 8th grade first trimester marks, the results of the 7th grade Terra Nova Standardized Test and/or other standardized testing, recommendations from grade school teachers, and the PJP placement test. Our administrative system is used to generate indexes for the various subjects. These indexes rank students based on their performance in the above listed metrics. Generally greater emphasis is given to standardized test scores than subject grades in developing the indexes. Most incoming students have taken the Terra Nova or PSSA test. The local percentiles from these tests are used to develop the index as they are considered the most valid basis for comparing the abilities and performance of students from a variety of grade, elementary, and middle schools who will become the next freshman class.

At the time of registration, each incoming freshman has an opportunity to indicate a Foreign Language preference (courses are offered in: French, Italian, and Spanish), and choose one of the following elective paths:

- Choral Music (A year long course for vocalists that earns 1 full credit in Fine Arts)
- Instrumental Music (A year long course for musicians that earns 1 full credit in Fine Arts)
- Performing Arts 1 (A year long course that earns 1 full credit in Fine Arts)
- Studio Art 1 (A year long Honors level Art Course for students with a dedicated interest in advanced studies in visual arts. Acceptance into this program requires submission of art work and approval of the Fine Arts department chair.)
- Intro to Fine Arts paired with Intro to STEAM or Intro to Technology (2 semester long courses earning .5 credit each)

Theology, English, Mathematics, Science, and Social Studies are all required courses for freshmen. The Office for Academic Affairs places each freshman in an Ability Program using metrics including but not limited to: placement test scores, standardized test scores, and elementary schools records and recommendations.

COURSE SELECTION FOR THE UPPER-CLASS STUDENTS

Soon after the start of the 2nd Semester, the Freshmen, Sophomore, and Junior classes begin the course selection process for the following year. In late March, students will have access to on-line course selection through PowerSchool based on the recommendations of their current teachers. Required and recommended elective offerings will all be available for the student to select. Students are encouraged to schedule an appointment with their Guidance Counselor to discuss their future plans and what courses are best suited to them and parents are encouraged to be actively involved in the process. If the courses desired appear on PowerSchool, no further permission from the school is required. If a student wants to enroll in a course that is not recommended for them, they will need to complete a Course Request form and submit it to the Assistant Principal for Academic Affairs who will review the request in consultation with the appropriate Department Chair to determine a student's eligibility for the course.

Registration deadlines are strictly adhered to. Students who submit their course selections after the deadline may lose opportunities to take elective courses, since priority is given to those who submit on time. Registering in a timely manner enables the school to obtain an accurate count for the number of sections that will be needed for each course and plan appropriately for the upcoming year.

ADMISSION TO ADVANCED PLACEMENT and/or DUAL ENROLLMENT COURSES

Students seeking enrollment in Advanced Placement and/or Dual Enrollment must request admission to these special programs. Admission is competitive and based on a review of the student's qualifications including but not limited to: classroom performance, performance on STAR and PSAT assessments, AP Potential Score, performance on a pretest and/or admission test if there is one, and current teacher evaluation. Enrollment in a previous AP Course in the same content area does not guarantee admission to the next in sequence course, eligibility for each course is considered each year without prejudice. Students may be recommended by teachers to enroll in an AP Course, and they may self-report interest in an AP Course if they were not recommended but wish to be considered. The official consideration process begins with conversations in the classroom. Teachers provide students with information about the course offerings, and the requirements for admission within their department. Interested students are asked to sign up for consideration in their current classes and that information is shared with the Department Chair. All students indicating interest will be reviewed and compared with all other students interested in the same course. A ranking system is created for each course using the metrics used above and students are offered admission based on the number of seats available, and their position on the ranked list. All students not initially offered admission are placed on a wait list, and should seats become available they may be offered admission based on their ranked position on the wait list.

SCHEDULING CONFLICTS

Should a student choose a course for which he/she is under qualified or overqualified, the school administration reserves the right to make adjustments to the roster. The administration also reserves the right to cancel any course or to merge a two program offering into one if insufficient numbers of students enroll for a course or if qualified personnel are not available for the next school year. Every reasonable effort will be made to discuss such adjustments with all concerned parties before finalizing the roster. However, if such efforts prove fruitless, the decision will be made at the discretion of the Assistant Principal for Academic Affairs. Some elective courses are only offered at one time during the day, and sometimes this causes a conflict for students who have selected two courses that are offered only once and at the same time. Students who have a roster conflict regarding two courses running at the same time will have to accept the solution offered by the Assistant Principal for Academic Affairs.

COURSE CHANGES or DROPS

All courses and programs for the academic year are selected by the student and approved by parents during the Course Selection Period. For this reason, courses (including electives) are not changed, added or dropped in September or at any time during the Academic School Year. In exceptional cases and for valid reasons the Assistant Principal for Academic Affairs permits limited roster changes the last week in August, that is, the week before Labor Day. The steps in the roster change process are meant to ensure that the change is really in the student's best interest, that individual class size and total teacher load are not compromised, and that a "domino effect" is not produced involving course changes or program changes in subjects other than the one requested. Therefore, request for the following reasons are generally unacceptable:

- Dissatisfaction with a course/teacher/schedule
- Change of mind
- Desire for early dismissal/to accommodation of a work schedule
- Desire for a different lunch or study period

Requests for roster changes may only be made in person on the designated roster days in August, requests over the phone or via email will not be accepted. A fee of \$40.00 will be applied to all students FACTS account once requested roster changes are made. Because the full year, both the 1st and 2nd semester courses are reviewed and processed on the roster days in August, changes requested at the start of the 2nd semester will only be considered in extreme circumstances and will include a 2nd Semester Course Change Fee of \$60 that will be applied to the FACTS account. In the event that a student's roster is incomplete due to scheduling conflicts or course cancellations, the student will be able to select from available courses on the designated roster days in August at no charge.

Once the school year begins students may not request a roster change. Roster changes will not be granted for any of the following reason:

- Not passing the subject or a grade is lowering a student's GPA.
- Desire to drop a course due to rigor, AP courses included.
- A student has earned enough credits to graduate and does not need the class.

Disclaimer

The Administration of Pope John Paul II High School reserves the right to cancel any courses due to lack of enrollment for that course or lack of teacher for that course.

THEOLOGY

Department Chair
Ms. Maura Malack
mmalack@pjphs.org

The study of Theology is more than the pursuit of an academic discipline. Through the presentation of Jesus as the Way, the Truth, and the Life, students are invited to realize the need for both knowledge of God and a life lived in a faith relationship with Him. The Theology department encourages students to embrace our school motto: *Be not afraid to seek the splendor of truth and live the Gospel of life.*

Criteria for moving into honors or CP:

- From CP to Honors: Students wishing to move from the College Prep course to the Honors level need teacher recommendation and should have a 95 or above semester grade and a 90 or above on the semester assessment.
- From Honors to CP: Students who have attained a grade of 75 or lower for the semester and after consultation with student and parents will be moved from the Honors level to the College Prep level.

The Study of Theology is required for each year a student is enrolled at Pope John Paul II High School

Theology I (Grade 9: Year-long course, 1 credit)

PJ0121 CP Program
PJ0111 Honors Program

The study of Theology is more than the pursuit of an academic discipline. Through the presentation of **Jesus as the Way, the Truth and the Life**, students are invited to realize the need for both knowledge of God and a life lived in a faith relationship with Him. The Theology department encourages students to embrace our school motto: *Be not afraid to seek the splendor of truth and live the Gospel of life.*

Theology II (Grade 10: Year-long course, 1 credit)

PJ0221 CP Program
PJ0211 Honors Program

The Mission of Jesus Christ (The Paschal Mystery)

The focus of the first semester of Theology 10 helps students understand all that God has done for humanity through his Son, Jesus Christ. God has planned, from all eternity, for human beings to share everlasting happiness with him. This is accomplished only through redemption in Christ. Students inquire about the meaning of being a disciple of Christ.

Jesus Christ's Mission Continues in the Church

The focus of the second semester of Theology 10 helps students understand that they encounter the living Jesus Christ in and through the Church. The Church was founded by Christ through the Apostles. It is sustained by him through the Holy Spirit. The Church is the living Body of Christ. Students explore the Church as a mystery which has both human and divine elements.

Theology III (Grade 11: Year-long course, 1 credit)

PJ0321 CP Program
PJ0311 Honors Program

Sacraments as Privileged Encounters with Jesus Christ

The focus of the first semester of Theology 11 helps students understand that they can meet Christ today in and through the sacraments. Each sacrament, particularly the Eucharist, is a means to full and real encounter with Christ. Students examine each sacrament in detail so as to learn how they may encounter Christ throughout life.

Life in Jesus Christ

The focus of the second semester of Theology 11 helps students understand the moral life. Only in Christ can human beings discover the fullness of life. Disciples of Christ are guided by moral concepts and precepts of Christ and His Church. Students probe these moral teachings and reflect upon their implications.

Faith in Action I (Grade 11: Year-long course, 1 credit)

PJ0331 Honors Program

This course requires recommendation from the student's current Theology teacher and approval of the Department Chair.

This Peer Ministry course is for students who want to do more for Christ, who want to sustain their prayer and sacramental lives, and who want to become the Christ-like leaders our society needs. They will learn the moral concepts and precepts that govern discipleship while investigating and engaging in practical ministry experiences at school and in the larger church. Students will be expected to assume active ministerial roles to their peers and leadership roles on campus. Specifically, students in this course will be responsible for planning and executing retreats for the school and wider community, prayer services, Masses, special initiatives, and other special events throughout the school year.

Theology IV: Vocation Life (Grade 12: Semester Course, .5 credit)

PJ0441 CP Program

PJ0481 Honors Program

Vocation Life is one of two required Theology courses for all 12th grade students. The purpose of this course is to help students understand the vocations of life: how Christ calls us to live. Married life, single life, priestly life and consecrated life are explored. Students reflect upon what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

Theology IV: Disciple of Christ (Grade 12: Semester Course, .5 credit)

PJ0431 CP Program

PJ0471 Honors Program

Disciple of Christ is the second of two required Theology courses for all 12th grade students that explores the Church's social teaching. Students will learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission. Students will live out discipleship in Christ by apply the Church's social teaching to experiences outside the classroom.

NEW for 2022-2023

**This course is currently being taught at several diocesan high schools.*

Faith in Action II (Grade 12: Year-long course, 1 credit)

PJ0431 Honors Program

This course requires a recommendation from the student's current Theology teacher and the approval of the Department Chair. Special preference will be given to those students who have successfully completed Faith in Action I.

This Peer Ministry course will help students come to a deeper understanding of the Roman Catholic Church's teachings on social justice and vocations. In addition, students will learn the basic leadership skills in planning, organizing, and facilitating retreats for students of various grade levels at Pope John Paul II. Students will use these skills to lead retreats for their peers and for students in our partner schools. This course will prepare students to discover and use their God-given talents and interests in order to live out, in whatever career they choose, God's call to be his disciples.

English

Department Chair
Mrs. Heather Timmons
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The English department commits itself to improving academic excellence in thinking, speaking, and writing. This commission is fostered through the emphasis placed on spiritual and moral values as revealed in literature and in debate, and on the mutual recognition of the dignity of all faculty and students in the interchange of ideas, both spoken and written.

The English Department identifies these instructional objectives:

- To heighten student awareness of the need for effective use of language;
- To lead the student to perceive writing as a vehicle for both self-understanding and self-expression;
- To strengthen student ability in self-expression in oral and written modes;
- To further student command of standard conventions in spelling, grammar and punctuation;
- To extend students' range of skills in vocabulary and usage;
- To familiarize students with the range and scope of literary modes and eras;
- To teach students the techniques of personal and scholarly evaluation of literature;
- To foster critical thinking;
- To expand students' skills at library use;
- To simulate students' creativity through imaginative and transactional writing.

Criteria for moving into honors or CP:

- From CP to Honors: Students' STAR Assessment results must be consistently "above average." Students must have a year-end average of 94 or higher in CP and have the recommendation of their teacher to be considered for honors.
- From Honors to CP: Students' STAR Assessment results are consistently "average" or "below average." Student may be placed in CP if his or her year-end average is below 82 and it is the teacher's recommendation that the student be moved.

English Language Arts I (Grade 9: Year-long course, 1 credit)

Critical Reading, Writing and Speaking supported through Genre Studies I

PJ1121 CP Program

PJ1111 Honors Program

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

English Language Arts II (Grade 10: Year-long course, 1 credit)

Critical Reading, Writing, and Speaking Support through Genre Studies II

PJ1221 CP Program

PJ1211 Honors Program

English Language Arts II is a required course for all tenth grade students. Reinforcing and expanding the writing objectives of the freshman year, this course will develop the student's writing skills by examining text

types and purposes and by writing arguments to support claims in an analysis of substantive topics or texts. Students will write explanatory/informational texts to examine and convey complex ideas, and will write narratives to develop real or imagined experiences or events. Students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct sustained research projects and will participate in a range of collaborative discussions and presentations integrating multiple sources of information. This course will further advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use.

English Language Arts III (Grade 11: Year-long course, 1 credit)

Critical Reading, Writing and Speaking supported through American Studies

PJ1321 CP Program

PJ1311 Honors Program

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

AP English Language (Grade 11: Year-long course, 1 credit)

PJ1351 AP Program

This is an admission based course for students that satisfies the ELA III requirement for advanced learners. This course engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, while helping them to become skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing.

Admission to this course is based on a thorough review of the candidate's academic profile and department approval is required. Students must first be identified by the College Board as AP potential based on their PSAT scores and score consistently "above average" on the STAR reading test. Students must be in the honors level program already with a first semester average of 92 or above and the recommendation of their current English teacher. In addition, students are required to successfully complete a pretest and complete the required summer assignment.

English Language Arts IV (Grade 12: Year-long course, 1 credit)

PJ1421 CP Program

PJ1411 Honors Program

Critical Reading, Writing, and Speaking support through World and British Studies

English Language Arts IV is a required course for all twelfth grade students. Reinforcing and expanding the writing objectives of the junior year, this course will develop the student's writing skills by examining text types and purposes and by writing arguments to support claims in an analysis of substantive topics or texts. Students will write explanatory/informational texts to examine and convey complex ideas, and will write narratives to develop real or imagined experiences or events. Students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct sustained research projects and will participate in a range of collaborative discussions and presentations integrating multiple sources of information. This course will further advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use.

AP English Literature (Grade 12: Year-long course, 1 credit)

PJ1451 AP Program

This is an admission based course for students that satisfies the ELA IV requirement for advanced learners. This course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone.

Admission to this course is based on a thorough review of the candidate's academic profile and department approval is required. Students must first be identified by the College Board as AP potential based on their PSAT scores and score consistently "above average" on the STAR reading test. Students must be in the honors level program already with a first semester average of 92 or above and the recommendation of their current English teacher. In addition, students are required to successfully complete a pretest and complete the required summer assignment.

English Elective Offerings:

Disclaimer: *The administration of Pope John Paul II High school reserved the right to cancel any courses due to lack of enrollment for that course or lack of teacher for that course.*

Cinematic Studies (Grades 11 and 12: semester course, .5 credit)

PJ1511 CP Program

This one-semester elective asks students to view films as a form of literature. Students will examine and analyze selected films from varied time periods and genres. Through their study, the students will gain knowledge of how films reflect, and sometimes share, the culture around them. In addition, the students will learn some aspects of film technology and special effects.

Creative Writing (Grades 11 and 12: semester course, .5 credit)

Prerequisite: Students must have an English grade of 85 or above to take this course.

PJ1541 CP Program

This one-semester elective allows students to pursue an in-depth study of short stories, poetry, and other forms of creative writing. Working independently and with other students committed to similar projects, each student must write several compositions each quarter and critique his/her own work and that of other students. Students will be able to specialize in writing genres that interest them, but they also will be expected to complete writing assignments in other genres.

Speech & Debate (Grades 11 and 12: semester course, .5 credit)

PJ1551 CP Program

This one-semester elective is designed for students who have an interest in the public speaking process. Students are given an understanding of all aspects of public speaking with a focus on individualized skill development. Because the class becomes the audience for the speaker, listening skills are an integral component of the course. Students work collaboratively with their peers as they develop their speeches and both teacher and peer assessment of oral presentations provide valuable feedback to individual students. Students write and deliver a speech as the final assessment of their learning for this course

Mathematics

Department Chair
Sharon Quinlan
squinlan@pjphs.org

“Nature is but the mathematical thoughts of God.” Through an understanding of the structure of mathematics, students are led to experience closeness with God by sharing in the beauty of His creation, the universe. The curriculum is applications-driven, taught with a technology-intensive approach with emphasis on the development of higher order thinking skills. Problem-solving and mathematical modeling are integral components of the learning process. By encouraging students to explore and use their God-given talents, students are prepared for analytical, logical and critical thinking necessitated in our modern technological environment in accordance with the Mathematics Standards.

The Mathematics department goals are:

- to foster a positive attitude, cultivate a love for and enjoyment towards mathematics.
- to meet the individual needs of students by developing and challenging their capabilities, thus preparing them for intelligent citizenship and a career choice congruent with their potential.
- to provide students with the opportunity to develop mathematical competence appropriate to their abilities, thus building their self-confidence.
- to develop and strengthen problem-solving skills based on logical thinking, accuracy, articulation and communication, stimulating the thinking process.
- to develop proficiency with mathematical skills and a facility for the manipulative processes in Algebra.
- to foster the development of the students’ character by expecting an effort worthy of their individual abilities and afford them the opportunity to experience and meet challenges.
- to contribute to the development of responsible leadership and a spirit of cooperation among students by providing the structure for group work, study groups and peer tutoring.

Criteria for moving into honors or CP:

- Movement CP to Honors: Students who wish to move from the College Prep Course Level to the Accelerated Honors Course Level must have attained an assessment average of at least a 95% and have the recommendation of the teacher.
- Movement from Honors to CP: Students who have an assessment average lower than an 86% and have the recommendation of their teacher are eligible for movement to the College Prep Course Level.

Students are required to earn three credits in Mathematics as a Pope John Paul II High School student. Entering 9th grade students are placed in a math course based on the courses they have previously completed in 8th grade.

Algebra I (Grade 9: Year-long course, 1 credit)

PJ3121 CP Program

PJ3111 Honors Program

Based on the National Common Core, students will examine how to represent data with algebraic expressions, equations and inequalities, and extend the properties of real numbers to exponents including zeros and negatives. Students will appreciate the combination of literacy and mathematics and their use in modeling relationships in word problems, both algebraically and graphically. Students will also hone their ability to comprehend, analyze, reason quantitatively and construct solutions for real world applications. A graphing calculator is highly recommended

Geometry (Grades 9, 10: Year-long course, 1 credit)

Prerequisite: Algebra I

PJ3221 CP Program

PJ3211 Honors Program

Based on National Common Core Standards, students will study the tools of Geometry and the basics of “Proof.” Topics include Congruence, Similarity, Triangles, Quadrilaterals, Circles, Right Triangle Trigonometry, Transformations, Area and Volume. Students will use definitions, postulates, theorems and properties to write equations to solve problems. Students will make viable arguments and critique the reasoning of others. A graphing calculator is not required but recommended, as students will be using one for Algebra II and Pre-calculus.

Algebra II (Grades 9 & 10 & 11: Year-long course, 1 credit)

Prerequisite: Algebra I and Geometry

PJ3321 CP Program

PJ3311 Honors Program

Based on the National Common Core, students will experience a comprehensive examination of all levels of algebraic functions. Students will appreciate the combination of literacy and mathematics and their use in modeling relationships in word problems, both algebraically and graphically. Students will also hone their ability to comprehend, analyze, reason quantitatively and construct solutions for real world applications. A graphing calculator is required.

Trigonometry/Pre-Calculus (Grades 11& 12: Year-long course, 1 credit)

PJ3421 CP Program

PJ3411 Honors Program

A more in-depth study of topics introduced in Algebra 2 is undertaken and new advanced mathematical concepts are studied. Polynomial, rational, exponential, logarithmic, trigonometric and other classes of functions are analyzed numerically, algebraically and graphically. The curves of trigonometry, trigonometric equations and applications, triangle trigonometry and advanced functions and graphing are studied. Topics in data analysis, statistics and discrete mathematics are explored. Mathematical modeling and applications are emphasized throughout, as well as the use of the graphing calculator to study pre-calculus topics. A graphing calculator is required.

Mathematics Elective Offerings:

Disclaimer: The administration of Pope John Paul II High school reserves the right to cancel any courses due to lack of enrollment for that course or lack of teacher for that course

AP Calculus (Grades 11 & 12: Year-long course, 1 credit)

PJ3451 AP Program

Students must apply for admission to this course and admission is based on the following:

- 50% Score on Pre-Test(taken in February/March of junior year)
- 25% Pre-Calculus Test Average
- 25% Pre-Calculus 1st Semester Test

Students who have completed Honors Calculus successfully, complete the pre-test, and receive a teacher recommendation are permitted to take AP Calculus.

This Advanced Placement course adheres to the guidelines for the Calculus AB level mandated by the College Board and culminates in the students taking the Advanced Placement Calculus Exam offered by the College Board in May for college credit. The course includes a rigorous study of the differential and integral calculus with applications, including limits, continuity, maxima and minima, area of a region, with some advanced techniques of differentiation and integration. Graphing calculator is required. *Students enrolled in AP courses are required to take the AP examination in the spring.*

NEW FOR 2023-2024

AP Computer Science Principles (Grades 10-12: Year-long course, 1 credit)

Prerequisites: 85 or above in Honors Algebra II, and department approval

AP Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. It is important to note that the AP Computer Science Principles course does not have a designated programming language. Teachers have the flexibility to choose a programming language(s) that is most appropriate for their students to use in the classroom. *Students enrolled in AP courses are required to take the AP examination in the spring.*

**This course satisfies the .5 credit graduation requirement in Technology*

NEW FOR 2023-2024

AP Precalculus (Grades 11 and 12: Year-long course, 1 credit)

Prerequisites: Algebra I, Geometry, Algebra II

Students must apply for admission to this course and admission is based on the following:

- 60% Score on Pre-Test (taken in February/March)
- 30% Algebra II Assessment Average
- 10% Effort and Timely Completion of Homework/Classwork
- Teacher Recommendation

Students who have successfully completed Precalculus, successfully complete the pre-test, and receive a teacher recommendation may be permitted to take AP Precalculus. This Advanced Placement course adheres to the guidelines for AP Precalculus mandated by the College Board and culminates in the students taking the Advanced Placement Precalculus exam offered by the College Board in May for possible college credit. The course includes a rigorous study of Polynomial and Rational Functions, Exponential and Logarithmic Functions, and Trigonometric and Polar Functions. A graphing calculator is required. *Students enrolled in AP courses are required to take the AP examination in the spring.*

**Taking AP Precalculus does not guarantee acceptance into AP Calculus*

Calculus (Grades 11 & 12: Year-long course, 1 credit)

PJ3431 CP Program

PJ3441 Honors Program

(Prerequisite: a grade of 85 or better in Pre-Calculus and teacher recommendation)

The course covers topics in Analytic Geometry and Calculus including the Limit, Continuous Functions, Derivatives and Integrals of Polynomial, Algebraic and Trigonometric Functions. Students will use the graphing calculator to explore certain topics in the course of study. Graphing calculators are required.

Departmental recommendation is required for admission to the course.

Coding (Grades: 11 &12, semester course .5 credit)

PJ6821 Honors Program

Prerequisites: Complete Honors Algebra II with a grade of 85% or higher, complete CP Algebra II with a grade of 90% or higher OR teacher recommendation.

This course introduces students to the exciting world of computer coding. It provides a foundation in the concepts of programming using easy-to-learn, free software: Scratch, App Inventor, Alice, and HTML. You will explore, you will experiment, and you will learn. This course will open the window to the possibilities that lie ahead of you in the field of computer programming. Problem-solving skills are developed through Coding Conundrum features, which present you with code that must be analyzed and fixed.

**This course satisfies the .5 credit graduation requirement in Technology*

Integrated Math (Grade 12: Year-long course, 1 credit)

PJ3481 CP Program

This year long course is an introduction to discrete mathematics including such topics as Application, Problem Solving, Probability, Statistics, Consumer Math, Metric System, Personal Finance, review and strengthening of Algebraic Concepts. A graphing calculator required.

Statistics (Grades 11&12: semester course, .5 credit)

PJ3451 CP Program

PJ3471 Honors Program

Prerequisites: Approval of Department Chair and teacher recommendation

This elective course provides students with an introduction to statistical reasoning with an emphasis on concepts rather than in-depth coverage of traditional statistical methods. Topics include sampling and experimentation, descriptive statistics, probability, binomial and normal distributions, estimation, single sample and two sample hypothesis tests for means and proportions. Graphing calculator required.

Website Design (Grades: 11 &12, semester course 0.5 credit)

PJ3531 Honors Program

Prerequisites: Complete Honors Algebra II with a grade of 85% or higher, complete CP Algebra II with a grade of 90% or higher OR teacher recommendation.

This course introduces students to the fundamentals of web page development and basic image manipulation for business. Students will use code editors to learn HTML and CSS to construct both personal and business websites based upon their own designs.

**This course satisfies the .5 credit graduation requirement in Technology*

Science

Department Chair
Mr. Clayton Cottman
ccottman@pjphs.org

The Science Department stresses the student-centered focus of Catholic education. The student is viewed in the context of his/her relationship to God, others, nature and to self. Through the integration of science and Catholic doctrine, the student is provided with the values and skills needed to internalize these relationships. Courses that offer skills and literacy are offered. Such diversity strengthens the student's self-reliance in meeting present demands and future job opportunities. The coordination of lecture and laboratory work establishes an atmosphere characterized by order and structure while simultaneously providing the necessary freedom for the student to develop inner direction and self-discipline. Since the principal aim of science is truth as revealed by God through man and nature, it follows that science education is an integral part of the curriculum.

Students are required to earn three credits in Science as a Pope John Paul II High School student. Below is a chart of pathways for students at different levels. Students in the Accelerated program enter High School having already completed Algebra I.

Accelerated	Honors	College Prep
Honors Chemistry	Honors Physics 9	Physics 9
Honors Biology and/or AP Chemistry	Honors Chemistry	Chemistry
Honors or AP Physics and/or AP Biology	Honors Biology or AP Chemistry	Biology
Honors or AP Physics C and/or Science Electives	AP Biology or AP Physics 1 or Honors Physics	Science Electives

(Science electives can be taken in 12th grade. More than one science can be taken each year.)

Criteria for moving into honors or CP:

- Movement CP to Honors: Students who wish to move from the College Preparation Level to the Honors Level must have attained an test average of 90% or better, and have the recommendation of the teacher.
- Movement from Honors to CP: Students who have a semester average lower than 75% will be moved to the College Preparation Course Level for the following year.

Physics 9 (9th grade: Year-long course, 1 credit)

PJ4121 CP Program

PJ4111 Honors Program

The Physics 9 courses introduces students to active lab experiences as the foundation for study of science. Physics 9 establishes a conceptual understanding of the nature of matter and energy. Students will learn to apply the mathematical tools that scientists use in the laboratory including equations, graphical analysis, and computers. The course will be very hands-on and laboratory centered, using modern computer sensors and specialized graphing software to aid in accurate data collection. The goal of Freshman Physics is to enable students to practice critical thinking and logic that lay the foundation for future science courses. Topics will include Conservation Principles, Newton's Laws of Motion, Energy Transfers and Storage, and Forces, Energy, and Fields as outlined in the National Science Standards.

Chemistry (Grades 9 & 10: Year-long course, 1 credit)

PJ4221 CP Program

PJ4211 Honors Program

College Prep: This course is designed to provide a general chemistry background for students planning on continuing their education in college but not yet decided on a major. Laboratory experiments and interactive classroom meetings provide dual environments for developing concepts and skill. Necessary math skills are reviewed. Planning, critical thinking and cooperative learning are emphasized on a daily basis. Classroom pre-lab and post-lab presentations and formal lab reports are required.

Honors: The study of Chemistry is designed to offer students an extensive and cross-curricular understanding of the interactions of systems in a real-world setting. This course is centered on laboratory investigations, which help to build practical skills necessary to be successful while interacting cooperatively with their peers. Formal laboratory reports enhance the presentation and writing skills of student, with a focus on academic research and application of scientific information to the collected data. The quantitative nature of this course creates many links to our math curriculum, with an emphasis on application. All topics covered in the Chemistry course are addressed in both class meetings and laboratory investigations, culminating in a thorough understanding of the role of chemistry in everyday life. The course is designed to meet the needs of the role of chemistry in everyday life.

The course is designed to meet the needs of students who plan to attend college or nursing school or wish to take chemistry simply for enrichment. Successful students at this level will be eligible to choose to enroll in the AP science courses.

AP Chemistry (Grades 10, 11 & 12: Year-long course, 1 credit)

PJ4251 AP Program

Prerequisites: Chemistry and Department Approval

Students requesting consideration for AP Chemistry should have earned a 1st Semester grade of 90 or better in their current science and math classes. Other data reviewed includes but is not limited to: performance on the Reading and Math Performance Series and PSAT assessments, AP Potential

The Advanced Placement Chemistry course is a college level course that exceeds the Advanced Placement Guide published by the College Board. All required topics are addressed in presentations, labs, discussions and recitations. Preparation for the required AP Chemistry examination is included. An AP Review Guide and a Lab Notebook will be available for purchase in the school store. *Students enrolled in AP courses are required to take the AP examination in the spring.*

Biology (Grades 10 & 11: Year-long course, 1 credit)

PJ4321 CP Program

PJ4311 Honors Program

This class is an introduction to biology, and includes such topics as: cell biology, genetics, microbiology, ecology, and evolution. Beside the class instruction which involves techniques for different learning styles, the class utilizes a strong lab component to develop the students' skill with experimentation and inquiry science. The learning that occurs in the classroom and the lab are then used to develop and enhance critical thinking skills.

AP Biology (Grades 11 & 12: Year-long course, 1 credit)

PJ4351 AP Program

Students requesting consideration for AP Biology should have earned a 1st Semester grade of 90 or better in their current science and math classes. Other data reviewed includes but is not limited to: performance on the

Reading and Math Performance Series and PSAT assessments, AP Potential Recommendation, and current teacher evaluation.

The Advanced Placement Biology course is the equivalent of a college introductory biology course, usually taken by biology majors during their first year. The course will include topics included in the following major areas: Molecules and Cells, Heredity and Evolution, and Organisms and Populations. The main goals of the course are to help students develop a conceptual framework for modern biology and to help students gain an appreciation for science as a process. Course content follows the syllabus as dictated by the College Board and a summer assignment is required. An AP Review Guide and a Lab Notebook will be available for purchase in the school store. *Students enrolled in AP courses are required to take the AP examination in the spring.*

Physics (Grades 11 & 12: Year-long course, 1 credit)

Prerequisite: Accelerated /Honors Math classes with a grade no lower than 85.

PJ4411 Honors Program

The study of Physics will offer the student an understanding of the fundamental concepts and processes needed to solve problems quantitatively; to further develop skills in experimental observation and organization; to facilitate the ability to analyze data and formulate logical conclusions and to develop an appreciation of the relationships that exist between physics and scientific reasoning. Accelerated Physics is intended for college bound students who are planning to major in physical science or engineering. Concepts such as motion, forces, work, energy, waves, sound, light, electricity/magnetism, and modern physics are studied.

AP Physics 1 (Grades 11 & 12: Year-long course, 1 credit)

Prerequisites: Chemistry, Algebra II, Honors Math, and Program Department Approval

PJ4451 AP Program

Students requesting consideration for AP Physics 1 should have earned a 1st Semester grade of 90 or better in their current science and math classes. Other data reviewed includes but is not limited to: performance on the Reading and Math Performance Series and PSAT assessments, AP Potential Recommendation, and current teacher evaluation.

The AP Physics 1 course is a first-year Algebra–Based program which is equivalent to a first-semester college course in algebra-based physics, but is designed to be taught over a full academic year to enable AP students to develop a deep understanding of the content and to focus on applying their knowledge through a series of inquiry labs. The course content includes the curriculum provided by the College Board and specified by state and national standards. The course covers kinematics, forces and fields, work and principles of conservative vs. non-conservative dynamics, energy transformations, rotational dynamics, oscillations, and gravitation.

Students enrolled in AP courses are required to take the AP examination in the spring.

AP Physics C (Grade 12: Year-long course, 1 credit)

Prerequisites: Chemistry, Completed or currently enrolled in Calculus, and Program Department Approval

PJ4461 AP Program

Students requesting consideration for AP Physics C should have earned a 1st Semester grade of 90 or better in their current science and math classes. Other data reviewed includes but is not limited to: performance on the Reading and Math Performance Series and PSAT assessments, AP Potential Recommendation, and current teacher evaluation.

This is a college-level physics course, especially appropriate for students planning to specialize or major in the physical sciences or engineering. The course is divided into two distinct sections:

Mechanics explores topics such as kinematics; Newton's Law of Motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course.

Electricity and Magnetism explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Intermediate calculus concepts are used throughout the course.

Students enrolled in AP courses are required to take the AP examination in the spring.

Science Elective Offerings:

Disclaimer: *The administration of Pope John Paul II High school reserves the right to cancel any courses due to lack of enrollment for that course or lack of teacher for that course.*

Intro to STEAM (Grade 9: semester course, .5 credit)

PJ6111 CP Program

This course will introduce students to basic concepts in STEAM disciplines such as project management and design, team work, and the application of math and science across multiple fields. Students will be introduced to: data collection and analysis, reporting, technology concepts including software platforms such as Microsoft and Google Suite tools, technology and science integration, and multimedia concepts. The course will be project based with students working both independently and in groups and will culminate in the creation of a personal digital portfolio the student will continue to add to throughout their high school career.

**This course satisfies the .5 credit graduation requirement in Technology*

Anatomy (Grades 11 and 12: Year-long course, 1 credit)

Prerequisites: Honors Biology and Honors Chemistry or Science Department Approval

PJ4331 Honors Program

This class involves a detailed study of the structure and function of the human body. It is essential to the preparation of students interested in pursuing a career in the allied health field. Classroom work involving both traditional and inquiry-based techniques, is supplemented by time in the laboratory. The learning of technical terminology is a great help in preparation for college allied health field classes. Dissection is required as is a strengthening of written and oral communication skills and effective cooperative learning. It is important to check to see if the college track you are planning to follow requires physics, if you are considering taking Anatomy and Physiology instead. Two science classes can be taken at the same time.

AP Environmental Science (Grades 11 & 12: Year-long course, 1 credit)

Prerequisites: Honors Chemistry and Honors Biology or Science Department Approval

PJ4441 AP Program

The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them.

Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.

Students enrolled in AP courses are required to take the AP examination in the spring.

Astronomy (Grade 12: Semester Course, .5 credit)

PJ4521 Honors Program

A predominantly descriptive introduction to current ideas concerning the nature and origin of the earth, the solar system, the galaxy, and the universe, neutron stars and the black holes, the "big-bang", and the possibility of life outside the earth. A component will recount the development of our understanding of the solar system from the time of the Greeks to the present day with special emphasis on the current understanding of stars, galaxies and the universe as a whole. A research component will include methods for investigating stellar parameters, stellar evolutions, and x-ray sources, using NASA archives on the Internet.

**This course does not fulfill the minimum 3 year science requirement.*

Environmental Science (Grade 12: Year-long course, 1 credit)

Prerequisites: Biology and Chemistry or Science Department Approval

PJ4431 CP Program

This course explores the interactions and relationships between humans and their environment the Earth, both its living and nonliving aspects. The goal of this course is to develop an understanding of the impact and significant role humans have on our planet and all its creatures. Knowledge in the fields of Earth Science, Biology, Chemistry, and Ecology are integrated to provide an overall depth in understanding. Topics include the Dynamics of the Earth, Ecosystems, Biomes, Impact of Human Population Growth on Natural Resources, Biodiversity, Global Warming, Renewable and Non-Renewable Energy Resources.

Forensic Science (Grade 12: Semester Course, .5 credit)

Prerequisites: Biology and Chemistry or Science Department Approval

PJ4481 CP Program

The focus of the course is to acknowledge the tremendous impact that the advances in science have had on criminal investigation. This course will cover the application of natural sciences to fingerprinting, hair and fiber analysis, blood spatter, anthropology, tool and weapon imprints, teeth and lip prints and handwriting analysis as tools to solve crimes. The course will emphasize inquiry-based learning and problem solving.

Robotics (Grade 12: Semester Course, .5 credit)

PJ4601 Honors Program

Using robots, this course will cover the fundamentals of science and engineering concepts required for designing, building, testing and operating autonomous machines that will complete simple tasks and complex missions. Programming concepts will be reinforced when correlating software with the robot's embedded hardware. Robotics is a capstone field of study with multiple branches of future technology to incorporate into a finalized product including miniaturization, cloud robotics, Watson-style cognitive robots, biohybrids, and more and more powerful modularity. Analytical reasoning and technology is integral to this course.

**This course does not fulfill the minimum 3 year science requirement.*

Social Studies

Department Chair

Mr. Tim Fonde

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Social Studies is a three (3) year requirement at Pope John Paul II High School. In line with our philosophy, which stresses education in Christian Values as a solid foundation for Christian-American citizenship, the Social Studies department offers courses that explore, among many topics, the development of Christian-Western Civilization, examine the rise of the American nation, and encourage the practice of good citizenship.

Criteria for moving into honors or CP:

- Moving from CP to Honors: Students wishing to move from the College Prep course level to the Honors level must have attained a 94 or higher semester grade in their current Social Studies course at the end of the semester to be considered for the Honors program. Standardized test scores, including PSATs and Performance Series results, are also considered when tracking students.
- Moving from Honors to CP: Students who have attained a grade of 78 or lower for the semester and are in the bottom 30% of their class at the end of the semester will be moved from the Honors level to the College Prep level. Standardized test scores, including PSATs and Performance Series results, are also considered when tracking students.

World History (Grade 9: Year-long, 1 credit)

PJ2121 CP Program

PJ2111 Honors Program

A history of major world civilizations designed to explore the development of the modern global community and the spread of ideologies and cultures. The curriculum employs transnational themes to provide connections which transcend time, space, and disciplines and which promote the use of critical historical, global and economic literacy skills to explore global patterns of change over time. Acquiring these skills will enable students to analyze and interpret historical events in depth and to apply their understanding to a variety of historical contexts.

American Government (Grade 10: Year-long, 1 credit)

PJ2221 CP Program

PJ2211 Honors Program

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

American History (Grade 11: Year-long, 1 credit)

PJ2321 CP Program

PJ2311 Honors Program

This targeted course engages the learner in identifying and analyzing significant events, people, and places in Early American History while making connections to the world of today. Students consider continuity and change in America, conflict and cooperation in America, and historical evidence as they look to America's past to understand its future.

AP Programs

AP Program Prerequisite: Social Studies Department Approval

The Social Studies Department offers students an opportunity to enroll in various Advanced Placement courses during each of their four years in the classroom, including AP World History: Modern, AP U.S. Government, AP U.S. History, AP Psychology, and AP Human Geography. The AP program is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in Social Studies. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials, their relevance to a given interpretive problem, their reliability, and their importance – and to weigh the evidence and interpretations presented in historical scholarship. An AP Social Studies course develops the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format.

Admission into Social Studies Advanced Placement Courses

Honors level students wishing to be considered for an Advanced Placement class must have a semester grade of 90 or above in their current Social Studies and English classes. Students currently enrolled in an AP class in the Social Studies Department should have a semester grade of 85 or above. Other criteria considered for acceptance are PSAT AP Potential Recommendation, PSAT writing and reading scores, class rank, Performance Series scores, and teacher evaluation. Incoming freshmen will be invited to enroll in AP World History: Modern based on 7th and 8th Grade performance, along with standardized test scores.

AP World History: Modern (Grade 9: Year-long, 1 credit)

PJ2151 AP Program

This AP course is designed to be the equivalent of an introductory college or university World History course. The course will cover significant events, individuals, social developments, and processes from 1200 C.E., through modern times. Students will develop skills in order to analyze primary and secondary sources, make historical comparisons, utilize reasoning about historical content and causation, and develop historical arguments. The course provides five themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction between humans and the environment; development and interaction of economic systems; and development and transformation of social structures.

AP United States Government and Politics (Grade 10: Year-long, 1 credit)

PJ2251 AP Program

AP United States Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments. *Students enrolled in AP courses are required to take the AP examination in the spring.*

AP United States History (Grade 11: Year-long, 1 credit)

PJ2351 AP Program

The AP program in United States History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials- their relevance to a given interpretive problem, their reliability, and their importance – and to weigh the evidence and interpretations presented in historical scholarship. An AP United States History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and

evidence clearly and persuasively in an essay format. *Students enrolled in AP courses are required to take the AP examination in the spring.*

AP Human Geography (Grade 12: Year-long, 1 credit)

PJ2451 AP Program

The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012). *Students enrolled in AP courses are required to take the AP examination in the spring.*

AP Psychology (Grade 12: Year-long, 1 credit)

PJ2551 AP Program

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. *Students enrolled in AP courses are required to take the AP examination in the spring.*

Social Studies Electives:

Disclaimer: The administration of Pope John Paul II High school reserved the right to cancel any courses due to lack of enrollment for that course or lack of teacher for that course.

Case Studies in Civil Rights (Grade 12: semester course, .5 credit)

Semester Course

PJ2561 CP Program

PJ2571 Honors Program

This half year guided seminar course invites the students to explore landmark Supreme Court civil rights cases from their historical roots through their contemporary impact. Students will work individually and in groups to research specific cases impacting various minority and historically marginalized groups including Native Americans, women, immigrants, African Americans, people with disabilities, followers of specific religious beliefs, among others. A variety of presentation styles including debate, oral and written presentations, as well as Socratic seminar will be used. This course requires that the student is able to identify areas of specific interest within the topic list, work independently and collaboratively, as well as actively respond in large and small group discussions.

Psychology and Sociology (Grade 12: Year-long, 1 credit)

PJ2521 CP Program

PJ2511 Honors Program

The first semester of this course will operate as an introduction to the field of **psychology** and will explore several different divisions of the field of psychology: social psychology, developmental psychology, abnormal or clinical psychology, and cognitive psychology. This second semester is an introduction to the fundamental principles of **sociology**. Students will develop an understanding and be able to apply sociological concepts and perspectives from the development of the family unit to the creation of the twenty first century family.

World Language

Department Chair
Mrs. Peggy Tucker
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The study of foreign languages develops knowledge, proficiencies and attitudes that cannot be acquired through the study of other subjects, and is essential to understanding the political motivation, social institutions, literature and culture of other nations. This study brings with it recognition of the fact that basic human ideals are common to all peoples. A four-year program of instruction is offered in Spanish, a three year program of instruction in Italian and a two year program of instruction in French will be offered.

The primary function of modern language learning is communication, first through listening and speaking, and then through reading and writing. A concomitant objective of language instruction is to encourage students to take advantage of the foreign cultural enrichments found within their own environments and thus to gain a better perspective on their own culture through the concept of cultural similarities and differences.

Criteria for moving into honors or CP:

- Moving from CP to Honors: Students wishing to move from the College Prep course level to the Honors level must have a semester grade of 90 or better in their current World Language course and teacher recommendation.
- Moving from Honors to CP: Students who have attained a grade of 79 or lower for the semester may be moved from the Honors level to the College Prep level.

French I (Grades 9, 10, 11: Year-long, 1 credit)

PJ5141 CP Program

Beginning students are introduced to the basic skills, structure, and sound of world language study. The aim is to learn to communicate effectively and accurately in the target language using the present tense verb conjugations. Practice is given in listening, speaking, reading, and writing. In addition, French I introduces the student to contemporary French life and culture.

Italian I (Grades 9, 10, 11: Year-long, 1 credit)

PJ5131 CP Program

Beginning students are introduced to the basic skills, structure, and sound of world language study. The aim is to learn to communicate effectively and accurately in the target language using the present tense verb conjugations. Practice is given in listening, speaking, reading, and writing. In addition, Italian I introduces the student to contemporary Italian life and culture.

Spanish I (Grades 9, 10, 11: Year-long, 1 credit)

PJ5121 CP Program

Beginning students are introduced to the basic skills, structure, and sound of world language study. The aim is to learn to communicate effectively and accurately in the target language using the present tense verb conjugations. Practice is given in listening, speaking, reading, and writing. In addition, Spanish I introduces the student to contemporary life and culture of Spanish speaking countries.

French II (Grades 9, 10, 11, 12: Year-long, 1 credit)

PJ5341 CP Program

PJ5261 Honors Program

In French II, students are challenged to further enhance and develop their listening, speaking, reading and writing skills. French II introduces more complex grammatical structures as students begin to study past and conditional tense while continuing to expand upon the student's understanding of French life and culture.

Italian II (Grades 9, 10, 11, 12: Year-long, 1 credit)

PJ5331 CP Program

PJ5251 Honors Program

In Italian II, students are challenged to further enhance and develop their listening, speaking, reading and writing skills. Italian II introduces more complex grammatical structures as students begin to study past and conditional tense while continuing to expand upon the student's understanding of Italian life and culture.

Spanish II (Grades 9, 10, 11, 12: Year-long, 1 credit)

PJ5221 CP Program

PJ5211 Honors Program

In Spanish II, students are challenged to further enhance and develop their listening, speaking, reading and writing skills. Spanish II introduces more complex grammatical structures as students are introduced to the past tense, while continuing to expand upon the student's understanding of the life and culture in Spanish speaking countries.

Italian III (Grades 10, 11, 12: Year-long, 1 credit)

PJ5331 CP Program

PJ5381 Honors Program

Students move beyond linguistic skills of mere survival, and engage in more complex conversation and writing of Italian. With the introduction of more complex grammar and writing skills, students develop a sense of fluency and focus on accurate pronunciation. Heightened awareness of cross-cultural issues is the result of further exposure to literary works in the target language.

Spanish III (Grades 10, 11, 12: Year-long, 1 credit)

PJ5321 CP Program

PJ5311 Honors Program

Students move beyond linguistic skills, and engage in more complex conversation and writing of Spanish. With the introduction of more complex grammar and writing skills, students develop a sense of fluency and focus on accurate pronunciation.

Spanish IV (Grades 10, 11, 12: Year-long, 1 credit)

PJ5411 Honors Program

Spanish IV is an advanced class that continues to reinforce the skill development in fluency, grammar, and pronunciation. Students continue to expand upon their comprehension of the language and cultural awareness through ongoing exposure to current events in cultural studies of Spanish language and culture.

Business, Computers, and Informational Technology

Overseen by the Social Studies Department Chair

Mr. Timothy Fonde

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The goal of the BCIT Department is to use Christian truths and values as a compass for the development of students into ethical individuals who know their worth, and develop the necessary skills and qualifications that are essential to becoming a productive member of the digital world.

Students are required to complete .5 credit in Informational Technology to earn a diploma from Pope John Paul II High School.

Intro to Technology (Grade 9: semester course, .5 credit)

PJ6101 CP Program

This course is designed to expand the student's knowledge of the google suite and teach some of the basics of Microsoft Excel, PowerPoint and Word.

**This course satisfies the .5 credit graduation requirement in Technology*

Accounting (Grades 11 and 12: Year-long, 1 credit)

PJ6221 CP Program

PJ6211 Honors Program

Accounting is an introductory business and finance course. Accounting principles and procedures for proprietorships and corporations are introduced. Students will incorporate their math skills while learning about managing money and principles of accounting. Accounting is the language of the business world and this course provides students a base line of understanding to prepare for post-secondary studies in any business discipline.

Personal Finance (Grades 11 and 12: Semester course, .5 credit)

PJ6431 CP Program

Presented as an introduction to financial literacy, this course is designed to introduce students to the fundamental concepts of managing money and understanding the impact all choices have on their personal finance resources. The course seeks to help students gain a broad understanding of the key concepts including but not limited to: banking, budgeting, careers, investments, and personal fiscal responsibility.

Marketing (Grades 11 and 12: Semester course, .5 credit)

PJ6421 CP Program

This semester long course is designed to provide students interested in careers in marketing, management, design, and/or sales a preview of collegiate studies in Marketing. With a focus on economics, human resources and business foundations, emphasis is placed on oral and written communications, problem solving, and critical thinking skills as they relate to selling, promotion, pricing, purchasing, marketing information management, product/service planning, distribution, financing, business ethics, social responsibility, and risk management. Students engage in a semester long project culminating in the development of a Marketing Plan and creative visual campaign for an original product, concept, or service.

Sports Management Marketing (Grades 11 and 12: Semester course, .5 credit)

PJ6471 CP Program

This course examines various business disciplines as they apply to the sports industry, from high school to professional with an overview of the business and legal aspects of various intercollegiate, Olympic and professional sports enterprises. Students ultimately gain insight into the leadership, management, and increasingly global nature of the sports business. The course will help prepare students for college level business programs and introduce them to the many professions in the Sports Industry. Students' progress will be measured through a series of both formative and summative assessments, and completion of the online Sports and Entertainment virtual simulation.

Fine Arts

Department Chair

Mrs. Marusia Lynn

mlynn@pjphs.org

The Fine Arts Department strives to enable students to realize that all talents and abilities are God-given gifts to be developed and shared with all God's people. Diversity, confidence and individuality are readily fostered in the Fine Arts curriculum. Students enhance their own creativity and communication skills while learning the importance of critical assessment and commitment in learning environments conducive to the study of Art and Music.

Involvement in the Fine Arts reinforces the understanding that success breeds success in every walk of life. Successful, well-trained artists and musicians approach life with knowledge of "what it takes to get there," and the wisdom of what the arts bring to life.

Students are required to earn one half credit in fine arts to graduate from Pope John Paul II High School. All of the classes offered by the department satisfy this requirement.

Introduction to Fine Arts (Grade 9: Semester Course, .5 Credit)

PJ 7101 CP Program

This semester long course will introduce students to the Fine Arts (art, music, drama, and dance) and their relation to history and society. It will take students on a journey through time from the Greek and Romans to the Middle Ages to the Renaissance Period to Modern Art. This hands-on course uses observation, listening, and critical thinking to produce art work and musical creations.

Studio Art I (Grades 9, 10 11, 12: Year-long, 1 credit)

PJ7111 Honors Program

This course is a full year introduction to the fundamentals of art, design, composition and perspective. The students will analyze the uses of the Elements of Art in their own work as well as others', produce art pieces, observe demonstrations, and participate in group critiques. A wide variety of media will be utilized to explore creativity while building various art techniques such as drawing, painting, and printmaking.

Studio Art II (Grades 10 11, 12: Year-long, 1 credit)

PJ 7121 Honors Program

Prerequisites: Studio Art I and/or teacher recommendation

The students will develop techniques through practical applications, lectures, demonstrations and group critiques. Focus will be on developing sound skills in drawing, painting, and design. Major areas of study will be in observational drawing, color theory, painting, mixed media, and graphic design. Conceptual art and 3-D design will also be introduced. Students will work on a variety of projects with different materials throughout the course. Projects will be influenced by notable artists, cultures, and real-world applications.

Studio Art III (Grades 11 & 12: Year-long, 1 credit)

PJ 7131 Honors Program

Prerequisites: Studio Art 2 and teacher recommendation

Students are provided with the opportunity to work on larger long-term projects. The course also encourages experimentation with different media and techniques, as well as provides the opportunity to work in the third dimension. Students will work on more advanced projects that introduce them to different artists, styles, and concepts.

Studio Art IV (Grade 12: Year-long, 1 credit)

PJ7141 Honors Program

Prerequisites: Studio Art 3 and teacher recommendation

The students are provided with an opportunity to develop a personal imagery and technical proficiency through a wide range of media and techniques. The course is structured around the development of a portfolio for college or school review

3D Art (Grades 11 & 12: Semester course, .5 credit)

PJ7181 CP Program

3D Art Design is a studio project-oriented class exploring different media areas of 3-dimensional art. The emphasis of this course is to expose students to 3D art mediums and to build their creative skills through the elements and principles of design. These projects will be mostly sculptural based for 3D work. Projects may include: ceramic projects, cardboard/paper creation, installation art, and more.

3D Art II (Grades 11 & 12: Semester course, .5 credit)

PJ7381 CP Program

3D Art II expands upon the principles and skills developed in 3D Art I that continues to explore different media areas of 3-dimensional art. The emphasis of this course is to increase student's exposure to 3D art mediums and further develop their creative skills. Projects may include: ceramic projects, cardboard creation, mold making, plaster of Paris, and more.

Graphic Design (Grades 11 & 12: Semester course, .5 credit)

PJ7321 CP Program

Program Students will build upon the experiences gained in art classes by applying the art elements and principles of design to creating original images on iPads, utilizing the program Procreate. We recommend this course for students with an interest in visual arts including commercial art, photography, communications, animation, and illustration. Units of study will include: illustration, pattern design, logo design, and typography. Drawing and original designing are requirements for the course.

Fashion Fusion I (Grades 11 & 12: Semester course, .5 credit)

PJ 7191 CP Program

This is a first semester course where students are introduced to fashion drawing, fashion history, concept boards, textile, and textile treatment. Students will use critical and abstract thinking skills to design and create 3 dimensional garments and accessories.

Fashion Fusion II (Grades 11 & 12: Semester course, .5 credit)

PJ 7201 CP Program

A one-semester course where students will extend their knowledge of the concepts learned in Fashion Fusion I, including fashion drawing and history. New textile treatment techniques will be introduced along with some basic sewing skills. Students will create a professional concept board and will construct a wearable garment for their final project.

Mixed Media Crafting (Grades 11 & 12: Semester course, .5 credit)

PJ 7161 CP Program

This semester long course is offered to students who have an interest in non-traditional art forms as opposed to drawing and painting. Students will apply basing design elements and principles to create mixed media projects using a variety of techniques such as: collage, assemblage, printmaking, and various textile treatments such as weaving and dyeing.

NEW FOR 2023-2024

Print Making (Grades 11 & 12: Semester course, .5 credit)

PJ7151 CP Program

Students will learn techniques of fine art printmaking, e.g. relief printing, monotype, intaglio, collagraph and collage. This course covers the distinctive nature of printmaking including: tools, inks, paper, plate preparation, registration, printing processes and qualities of prints e.g overlays, transparency, offset, and multiple images. The goal is for students to gain the skills and confidence to produce multiple images by hand printing and on a press while exploring personal visual expression. Hand printmaking techniques will engage the student with problem solving in drawing, design and color. Class sessions will comprise independent and collaborative printing and, lecture, demonstrations, discussion, and critique. Students will be introduced to the work of artists and the history/tradition of fine art prints.

NEW FOR 2023-2024

Vocal Music

The Vocal Music program is designed to enhance a student's vocal ability both individually and as a member of a choral group. Students learn basic technique and theory through individual and group instruction. A student who takes Vocal Music courses learns about and practices physical form and endurance necessary for successful posturing and aerobic conditioning to support singing.

Beginners are welcome! No previous experience is required.

Choral Music I (Grades 9, 10 11, 12: Year-long, 1 credit)

PJ7811 Honors Program

This course offers instruction in basic theory, sight-singing, phonetics, vocal techniques, and ear training. Varied styles of music for unison through 4 part harmony are performed. Repertoire varies from year to year. The Chorus performs at various school functions throughout the school year; participation is required as outlined in the course syllabus. Students enrolled in this class must participate in either the Liturgical Music group or the Rhapsodies. Physical attributes are assessed through posture, breathing, stretching, and aerobic exercise each taught and practiced to build aerobic muscle and stamina.

Instrumental Music

The Instrumental Music program is designed to enhance a student's musical ability both individually and as a member of a performing ensemble. Students learn basic technique and theory through individual and group instruction. The class meets for one class period per day. Students in this class will be required to take a weekly private lesson during school and attend any after school Orchestra/Concert Band as per the schedule provided throughout the year. Students in this program will also participate in Drum Line. Aspects of Drum Line include but are not limited to: stretching, carrying of heavy instruments, breathing, walking/marching with instruments, playing instruments while in motion, with these attributes and more contributing to the physicality of the Ensemble. Rehearsals for Drum Line will take place during class with some after school rehearsals and

performances. Participation is also required in scheduled performances, such as but not limited to: Homecoming Game, Christmas Concert, 7th Grade Visitation Day, Spring Concert, and Graduation.

Beginners are welcome, no previous musical/instrumental experience is required.

A student who takes Instrumental Music for four years learns about and practices physical form and endurance necessary for successful strength and aerobic conditioning and may receive an exemption from taking Physical Education.

Instrumental Music I (Grades 9, 10 11, 12: Year-long, 1 credit)

PJ7251 Honors Program

This first level course is for the student's first year registered for this class.

Instrumental Music II (Grades 10 11, 12: Year-long, 1 credit)

PJ7261 Honors Program

This second level course is for the student who has completed Instrumental Music I

Instrumental Music III (Grades 11, 12: Year-long, 1 credit)

PJ7271 Honors Program

This third level course is for the student who has completed (2) years of Instrumental Music

Instrumental Music IV (Grade 12: Year-long, 1 credit)

PJ7281 Honors Program

This course is for *Seniors only*, designed for the student who has completed 3 years Instrumental Music.

Performing Arts

The Performing Arts program is designed to enhance a student's performing ability both individually and as a member of an ensemble, as well as help the individual's growth in both confidence and self-awareness in presenting/performing. Students will gain personal experience through improvisation, monologues, scenes, dance combinations, choral work, and playwriting. Participation is required in both the Christmas and Spring Concerts. Physical attributes will be assessed through dance movement, stretching, and aerobic exercise.

Beginners are welcome! Previous musical/vocal/instrumental experience is not required.

A student who takes Performing Arts for four years learns about and practices physical form, coordination, and endurance necessary for successful strength, dance motion, and aerobic conditioning and may receive an exemption from taking Physical Education.

Performing Arts I (Grades 9, 10, 11, 12: Year-long, 1 credit)

PJ7291 CP Program

Students in this class will learn basic singing, and dance techniques through individual and group instruction.

Performing Arts II (Grades 10, 11, 12: Year-long, 1 credit)

PJ7301 CP Program

In this class, there will be an emphasis when performing on specific genres or theatre/scripted works. Material will increase in length and substance. When working on scenes, Performing Arts II students will help direct the scenes written.

Performing Arts III (Grades 11, 12: Year-long, 1 credit)

PJ7331 CP Program

Performing Arts III is designed for students who are seeking a more intense honing of their performing skills. Concepts regarding auditions at all levels (amateur, college, and professional) will be taught.

Performing Arts IV (Grades 11, 12: Year-long, 1 credit)

PJ7341 CP Program

Performing Arts IV is designed for students who are looking to delve into “performing from within”. Material worked on in class will have a major focus on the character’s physical and mental characteristics. Audition material and audition prep as well as college audition prep for Acting/Musical Theatre majors and non-major scholarship competitions will be workshopped.

Health and Physical Education

Department Head

Mr. Bryan Wilson

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The Health and Physical Education Department, in accord with the overall philosophy of Pope John Paul II will attempt to instill in the students a deep appreciation and understanding of the importance of healthful living and physical fitness in a modern society. The course of study will afford each student the opportunity to acquire knowledge about the life skills which will be necessary for each student to achieve an appreciation of individual uniqueness, to promote physical, social, and emotional well-being, and to develop an awareness that will assist in achieving optimum health and physical fitness.

Health (Grade 10: Semester Course, .5 credit)

PJ7411 CP Program

This course is a comprehensive and current treatment of critical health areas in today's society. The course will center on the students living in the present-day environment so that they will gain knowledge and information that will better prepare them to make positive choices and decisions about their own health. Areas of study will include an understanding of health and wellness, social drugs, communicable diseases, nutrition, fitness, safety, first aid, stress, and health services and care.

Physical Education (Grade 10: Semester Course, .5 credit)

PJ7421 CP Program

Through a variety of indoor and outdoor games, sports and athletic and non-athletic activities, each student will be provided with the opportunity to learn and appreciate the relationship between health and physical fitness, to learn and appreciate the value of sportsmanship and leadership in individual and team activities which will promote physical fitness, growth and development

Health and Physical Education Electives:

***Disclaimer:** The administration of Pope John Paul II High school reserved the right to cancel any courses due to lack of enrollment for that course or lack of teacher for that course*

Fundamentals of Coaching (Grades 11 and 12: Semester Course, .5 credit)

PJ7921 CP Program

This course is designed for students who are interested in coaching an organized team or individual sport in their future. This course will examine important principles of coaching which include: behavior, teaching, physical training, and management. This course will expand beyond the classroom to include the gym, weight room, and athletic fields as well.

**This course does not fulfill your Physical Education requirement.*

Sports Medicine (Grade 12: Year-long, 1 credit)

PJ7431 CP Program

Prerequisites: Students must have completed or be concurrently enrolled in Anatomy and receive teacher recommendation.

This course introduces the student to athletic training procedures as they relate to the athlete, physical educator, coach, and athletic trainer. The course includes history of the athletic training profession, ethics, proper recording of injuries, taping, and principles of athletic training. In the second semester, students will begin with a general review of anatomy. This course also includes environmental conditions like lightning safety, heat related conditions and cold weather conditions and Medicine II with Pharmacology and drugs. The second

semester of the course will be more involved with the actual day-to day process of a sports medicine professional.

Sports Nutrition (Grades 11 & 12: Semester Course, .5 credit)

PJ CP Program

This course examines the relationship between nutrition, physical performance and overall wellness. Students will learn how to choose nutritious foods for healthy lifestyles and peak performance. Health and disease prevention through nutrition, physical activity and wellness practice are essential components of the course.

**This course does not fulfill your Health requirement.*

Personal Fitness (Grades 11 & 12)

PJ CP Program

This semester elective gives students the opportunity to learn fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardio-respiratory endurance activities. Students will learn the basic fundamentals of strength training, aerobic training, and overall fitness training and conditioning. Course includes both lecture and activity sessions. Students will be empowered to make wise choices, met challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

**This course does not fulfill your Physical Education requirement.*

Special Services

Panther Performance

PJ9712	CP Program, Level I/grade 9
PJ9722	CP Program, Level II/grade 10
PJ9732	CP Program, Level III/grade 11
PJ9742	CP Program, Level IV/grade 12

These classes provide learning support to students with documented learning differences through reinforcement of organizational and study skills including but not limited to: time management, test-taking, note taking and outlining. In addition to the rostered class period, students are provided one-on-one attention and weekly check-ins with the Program Director. Admission to the course is based on documented learning needs, teacher recommendation, and standardized test scores. Students earn 1 elective credit and are graded on a Pass/Fail scale.

The following courses are provided through the *Non-Public School District of the Montgomery County Intermediate Unit*. Students with documented learning differences and/or low performance on standardized tests qualify for these courses designed to support learners with reinforcement of basic mathematics and reading skills. The school administration reserves the right to assign students in need to these courses and to continue their enrollment over the years as the need dictates.

Study Strategies

PJ7611	CP Program, grade 9
PJ7621	CP Program, grade 10
PJ7631	CP Program, grade 11
PJ7641	CP Program, grade 12

This course concentrates on the development and enrichment of vocabulary concepts and critical reading skills. Improvement in those skills should prove helpful in the regular classroom and on standardized testing. Teachers work with content teachers to provide cross-curricular academic support. Content area tutoring, if needed, is included.

Math Strategies

PJ7651	CP Program, grade 9
PJ7661	CP Program, grade 10
PJ7671	CP Program, grade 11
PJ7681	CP Program, grade 12

This course concentrates on the development and enrichment of mathematical concepts and math skills. Teachers work with the math department to reinforce concepts and skills in the math classrooms. Improvement in those skills should prove helpful in the regular classroom and on standardized testing.

Dual Enrollment Programs

Students in 11th and 12th grades are eligible to be considered for Dual Enrollment Programs.

Vo-Tech Programs

Pope John Paul II has agreements with the following Vo-Tech Programs:

CAT Pickering

Western Center for Technology Studies

Central Montgomery County Area Center for Technical Studies.

Due to scheduling constraints, students usually do not qualify to enroll in a Vo-Tech program until their Junior Year when they have completed half of their graduation requirements. The students take four (4) courses at Pope John Paul II for one-half of the school day and complete the remainder of the day at the Vo-Tech School. The complementary course of study provides three (3) credits per year, and will qualify the student for a High School Diploma while giving the student entry-level skills in specific trades.

Because of the uniqueness of the Vo-Tech time shared program, a student may not always be able to obtain the subjects or program level that he/she has requested from either school. Participation in Vo-Tech Programs is contingent upon the school district of residence.

Dual Enrollment for College Credit and/or Expanded Course Offerings

Students seeking admission to the Dual Enrollment programs for college credit or through the Arrupe Virtual Learning Institute (AVLI) need an overall grade point average of 88 or higher, and approval from the Department Chair and Office of Academic Affairs. Some courses have specific prerequisites and admission requirements in addition to the general requirements listed above.



Through an agreement with *Immaculata University*, a student at Pope John Paul II has the opportunity to enroll in a college level course at Pope John Paul II High School. 1 high school credit is earned and reflected on the PJP transcript. 3 College credits are earned and listed on the college transcript and may be transferable. Fees include a tuition and book charge beyond PJP's tuition.

- Unless otherwise noted, courses will be taught on PJP campus by an Immaculata University instructor.
- The cost for each course is \$300.00 (\$100.00 per credit). The fee must be paid to Immaculata before the first class meeting. **An agreement of payment must be signed.**
- Texts must be purchased by the student.
- AP quality points will be awarded for these courses.
- Students enrolled in these courses will have access to the Immaculata University library data base.
- ***Minimum of 15 students is necessary to run these classes. Courses lacking enrollment may be cancelled***

Criminal Justice

A study of the key concepts in criminology, measurement of crime, historical and contemporary theories of crime; criminal behavioral systems, and an overview of the adult criminal justice system.

College Statistics

The study of the fundamental concepts of statistical analysis. This course prepares students to carry out basic descriptive and inferential statistical analyses. Topics include an introduction to the nature of statistical reasoning, graphical and descriptive statistics, and design of experiments, sampling methods, probability, probability distributions, sampling distributions, and statistical inference based on confidence intervals and hypothesis tests.

Expanded High School Offerings through the Arrupe Virtual Learning Institute (AVLI)

Through our unique partnership with the Arrupe Virtual Learning Institute (AVLI), students in 11th and 12th grades are eligible to be considered for Dual Enrollment Programs providing expanded course offerings. AVLI offers a variety of Advanced Placement (AP) courses, all of which are College Board approved. AP testing is coordinated through PJP in the spring, and all students enrolled in an AP Course through AVLI are required to take the AP Test in the spring at the conclusion of the course at PJP.

courses have specific prerequisites and admission requirements in addition to the general requirements listed above.

General Course Information

Course Structure

- These courses are mostly asynchronous in nature so for the most part, there are no scheduled times that you must be online or working on your course. This comes with advantages and disadvantages. On one hand, this means the program is designed to allow students to complete their work around their regular class schedule and extra-curricular activities. On the other hand, it means you need to be very diligent about setting your own schedule and completing your work. You may need to assert a higher level of independent ownership over your learning than you're used to. The good news is that we're here to help!
- Please note that asynchronous does not mean "self-paced". Teachers lay out a weekly schedule that students are expected to adhere to. Depending on the course design, you may have deadlines each day or a couple of times week so be sure to read communications from your teacher very carefully.
- Each course will have one synchronous opportunity scheduled each week. For some courses this may be a time slot hosted by your teacher where students are invited to drop in with questions. In other courses, this may be an organized class meeting that students are expected to attend. These meetings will always be scheduled OUTSIDE regular school hours and you'll learn more about the synchronous sessions for your class once you begin. ***If you cannot attend a synchronous session, please be sure to inform your teacher well in advance so you can work out an alternative.***

Our Teachers

- AVLI teachers are all exceptional educators who possess a mastery of their subject matter, significant teaching experience in their field, and highly specialized training for the online environment. They are responsible for the design and delivery of their courses, and for the assessment of all aspects of their curriculum.
- In addition to the synchronous sessions, teachers are also available throughout each week to respond to student questions via email. Individual meetings can be arranged by appointment.

Your Time Commitment

- The estimated time commitment for each course is **approximately 5-7 hours per week** which will include the time you spend reviewing course materials, attending any synchronous sessions, and completing assignments and assessments.
- **Students should begin work on their courses as early as possible each week. The plan for the week will be communicated to students via the course site by each Monday morning and students should be sure to log in that day so they are aware of the expectations.**

Cost

Course fees for 2023-24 are as follows:

- \$415 for a full year (1.0 credit) course
- \$280 for a single semester (0.5 credit) course

Some courses also require the purchase of a text or online resource. Any costs associated with these would be in addition to the course fees. Details for each course can be found in the course descriptions in our course catalog.

**Please note that the above fees do not include costs associated with AP exam or dual-credit registration.*

Start & End Dates

<p>The following courses begin on Thursday September 7th, 2023 and end on Friday, May 3rd, 2024</p>	<p>The following courses begin on Thursday September 7th, 2023 and end on Friday, December 16th, 2024</p>	<p>The following courses begin on Thursday January 11th, 2024 and end on Friday, May 3rd, 2024</p>
<p><u>FULL YEAR (1 Credit)</u></p> <p>AP Art History AP Calculus BC AP Comparative Government and Politics AP Computer Science A* AP European History AP Music Theory AP Psychology AP Spanish Literature & Culture* AP Statistics American Sign Language Level I Latin Level I Latin Level II Linear Algebra Multimedia Authorship Multivariable Calculus</p>	<p><u>FALL TERM (0.5 credit)</u></p> <p>Accounting I AP Microeconomics Bioethics Computer Science Principles Digital Photography* Engineering Principles Introduction to Biochemistry Introduction to Business and Entrepreneurship Introduction to Sociology JavaScript Programming Law and Society Understanding Artificial Intelligence</p>	<p><u>SPRING TERM (0.5 credit)</u></p> <p>Advanced Digital Photography* AP Macroeconomics Bioethics C++ Programming Catholic Authors Comic Book Fiction* Computer Game Development Database Development for Real World Problems* Genocide and the Holocaust Introduction to Anatomy and Physiology* Introduction to Veterinary Careers Model United Nations & International Relations Statistics & Probability Foundations*</p>

* Indicates that there are prerequisites or special requirements for this course. Please the full course catalog for details.

For more information, please check out our informational video and full course catalog at

<https://www.arrupevirtual.org/student-coursework>