



**Pope John Paul II**  
HIGH SCHOOL

“Stewards of the Future”

**CURRICULUM GUIDE**  
**AND**  
**COURSE DESCRIPTIONS**  
**2021-2022**

## **MISSION**

*The mission of Pope John Paul II High School is to provide a Catholic secondary education within a challenging academic, spiritual, and co-curricular environment that will develop men and women who are intellectually strong, spiritually alive and committed to serving the needs of others.*

## **VISION**

*Pope John Paul II High School will nurture and challenge every student to be transformed for a lifetime of courageous leadership and service through discovery and development of their God given gifts.*

*To live in the light and truth of Jesus...*

*Now and forever.*

*Saint John Paul II...*

*Pray for us.*

## GRAD AT GRAD

**POPE JOHN PAUL II HIGH SCHOOL EDUCATES STUDENTS TO PURSUE TRUTH, ACT VIRTUOUSLY AND BUILD COMMUNITY.**

**YOU WILL WITNESS THIS IN EACH STUDENT BECAUSE THEY...**

- Possess fundamental skills and knowledge demanded by each academic discipline
- Pursue educational opportunities beyond high school
- Think logically, critically and creatively in problem solving and self-expression
- Analyze contemporary issues from multiple perspectives
- Respect other peoples, languages and cultures
- Access resources and technology to interpret, evaluate and present information
- Interpret implications and consequences of assumptions behind different points of view

### **THEREFORE THEY ARE INTELLECTUALLY STRONG**

- Recognize self and others as loved by God
- Understand Catholic Christianity and know major doctrines and practices of the Catholic Church
- Know Christ's Mission and participate actively and fully in the Church's life
- Build personal relationship with Christ through Eucharist, prayer and reflection
- Practice reconciliation with family, friends, Church and God
- See faith in Jesus as an obligation to live life as a person for others

### **THEREFORE THEY ARE SPIRITUALLY ALIVE**

- Accept personal responsibility for their growth
- Strive for integrity, commitment and excellence in all things
- Make life choices based upon Catholic social teachings
- Challenge prejudices and stereotypes
- Seek opportunities to expand their mind, heart, imagination, feelings and consciousness
- Seek aesthetic, artistic and creative experiences through the arts
- Engage in co-curricular activities that develop leadership, interpersonal and collaborative skills

### **THEREFORE THEY ARE OPEN TO GROWTH**

- Accept responsibility for building and maintaining loving relationships with others
- Demonstrate empathy, compassion, understanding and respect
- Accept the love of God and others
- Know the moral teachings of the Catholic Church as it relates to sexuality
- Make responsible decisions regarding personal health and well-being
- Listen respectfully and express themselves genuinely

### **THEREFORE THEY ARE LOVING**

- Recognize service as fundamental to faith
- Act with generosity toward all
- Demonstrate compassion for victims of injustice
- Know the impact of social, environmental and political issues on the human community
- Understand the contradictions and moral ambiguities between the Church's social teachings and popular culture
- Know that faith demands active commitment to a just society

### **THEREFORE THEY ARE COMMITTED TO DOING JUSTICE**

## ACADEMIC POLICIES

The course of studies at JP II is designed to prepare students to enter college. Within this college preparatory framework, we seek to direct students into courses that will consistently challenge their capacity and potential.

### GRADUATION REQUIREMENTS

The courses required for graduation from JP II exceed the entry requirements of Washington State public colleges and universities and most private universities. There are 7.125 total credits possible each year and 28.5 credits possible over a four-year high school career. 26.5 credits plus successful completion of the assigned community service requirements are required for graduation. Academic rigor of coursework will be considered in graduation honors such as valedictorian and salutatorian.

Department	JP II Requirements
English	4
Mathematics	4
Social Studies	3
Science	3
Modern Language	3
Fine/Performing Arts	1
P.E./Health	2*
Theology	4
Electives	2.5
Total Credits Required	26.5

\*0.5 credit is earned for PE through participation in the Community Period course over 4 years (.0625 per semester).

## COMMUNITY SERVICE REQUIREMENTS

These requirements are a part of the Community Period class for each student and the full Campus Ministry Program. Details on what is expected to meet these requirements will be covered in the class. 80 hours, minimum, are necessary for graduation and are typically scheduled as follows:

9 <sup>th</sup> grade	10 hours
10 <sup>th</sup> grade	20 hours
11 <sup>th</sup> grade	20+ hours
12 <sup>th</sup> grade	30+ hours AND reflection project

### CREDITS AND GRADING

26 credits are required to graduate from JP II. Students are expected to take a minimum of 7 courses each semester as well as their Community Period.

Academic credits are assigned each semester for each course in which a passing grade is earned. A passing grade in a semester class generates one-half credit. Grades at the semesters are used to determine student cumulative grade point averages.

Transfer credits must be approved. These credits are entered into a separate space on the JP II transcript and will be listed under the title of the school that awarded the original credit. JP II will also keep the transfer transcript and have it available to attach it to the official JP II transcript when sending transcripts to colleges and universities when requested.

## JPII Grading Scale

JPII uses the following grading scale. To qualify for the honors points, the course title must include either *Honors* or *AP* designations. All internal JPII GPA's are calculated with general and honors values. Reporting to colleges and universities, the GPA is calculated using the Simple Grade Point scale. Both cumulative GPA's, JPII and Simple, are reported on transcripts.

Percentage (Rounded)	Letter Grade	General Grade Points	Honors Grade Points	Simple Grade Points
97-100	A+	4.30	4.80	4.00
93-96	A	4.00	4.50	4.00
90-92	A-	3.70	4.20	3.70
87-89	B+	3.30	3.80	3.30
83-86	B	3.00	3.50	3.00
80-82	B-	2.70	3.20	2.70
77-79	C+	2.30	2.80	2.30
70-76	C	2.00	2.50	2.00
65-69	C-	1.70	2.20	1.70
0-64*	F	0.00	0.00	0.00

\*D grades are not possible at JPII. Students must achieve at least a C- or higher to earn credit in any class. Students who earn below 65% have not met the standard for the course or for advancement to the next course.

## Course Changes

Schedule changes are discouraged. Therefore, students must choose their courses wisely. In the event that students are misplaced, students, with their parents may request course changes. All requests for course changes must be submitted within ten (10) school days of the start of a semester in order for a student to receive credit for that course. Transfers must be approved by the advisor and administration. If a student drops/changes a course after ten (10) days into a semester, he/she will receive a grade of "F" and loss of credit in the class dropped unless there are mitigating circumstances. These changes must be approved by both advisor and administration before taking effect.

## Failures

If a student fails a class that is a requirement for graduation or is a sequential course, the student may generally make up the course the following summer by attending a summer school program (either in a community college or local public high school program) with approval by the administration for the course being taken. Students also have the option of completing an independent study course through an approved program. The student must provide the administration with appropriate documentation of a passing grade at the completion of the program.

Any student who fails two subjects at the semester or who demonstrates a continuing pattern of unsatisfactory grades may be asked to leave JPII at the School's sole discretion.

## Repeated Classes:

If a student takes a class for a second time for any appropriate reason (as determined by the Administration), both grades will appear on the student's transcript and count in the overall GPA. If passed, the credit will count in the total required for graduation.

## CAMPUS MINISTRY

Campus ministry is an integral part of the educational process at Pope John Paul II High School. Through the charism of our namesake, Pope John Paul II, our program is designed to proclaim the Good News of Jesus Christ to its students and families, to build up the body of Christ in the community and to promote social justice through service to others.

Campus Ministry draws the entire community into responsible participation in the life, mission and work of the Church. To accomplish these outcomes, the school, through Campus Ministry, offers liturgies, retreats, and service.

### Liturgies

Monthly all school masses are offered. Additional invitational masses will be offered throughout the year dependent upon availability of priests. Parents and friends of the school are always welcome to attend school liturgies. Within the first three weeks of school, all students will participate in a Mass of the Holy Spirit, celebrated with all Catholic schools, Pre-K through College, in the South Sound area.



### Community Service Day

The community service day is usually held the day before Christmas Vacation. The community day begins with Mass and then sends out the students and staff (and often alumni) in groups to serve the community in a variety of areas. For example, serving lunch at the senior center or down at the Union Gospel Mission, etc.

In the afternoon, all classes return to campus to discuss and then write a personal reflection on their

service experience and then culminate with an ASB led Christmas celebration.

## Retreat Program

Pope John Paul II High School offers multiple retreats for students that are based upon the charism and teachings of Pope John Paul II. They are thematically formulated around the School's three foundational educational elements of pursuing Truth, acting Virtuously, and building Community. Peer and adult leaders create an atmosphere of support, trust and sharing so that students can explore the challenges of Catholic/Christian identity, relationships, values, courageous leadership and reconciliation in the context of their faith. The goal is to provide students with the opportunity to listen and respond to God's presence in their lives and the life of their communities.

### Freshman Retreat: Theme - Build Community

*"None of us is alone in this world; each of us is a vital piece of the great mosaic of humanity as a whole."* Pope John Paul II, Israel-Palestine - 9/22/1999

*"It is especially for you, young people, to take on the great task of building a society where there will be more justice and solidarity."* Pope John Paul II,

World Youth Day VI - 8/15/1990

The objectives of the freshman retreat are to enculturate the School's newest members into their new school community and begin the process of developing their identity individually and collectively as persons of faith and members of the Pope John Paul II community. It is a time to reflect upon what it means to be and act as a "person for others".

### Sophomore Retreat: Theme - Act Virtuously

*"...make your generous and responsible contribution to the constant building up of the Church as a family, a place of dialogue and mutual acceptance, a space of peace and mercy and pardon."* Pope John Paul II, World Youth Day XII - 11/24/1991

*"Through her example, may Most Holy Mary encourage you to be in the new millennium announcers of hope, love and peace!"* Pope John Paul

II, World Youth Day XV - 8/15/2000

The sophomore retreat focuses on what it means to act virtuously within the confines of Pope John Paul II High School and the broader contexts of their family, church community, civic community, and the world community. It is an opportunity for sophomores to reflect upon how their faith calls them and challenges them to act in a way that often contradicts their understanding and experiences of popular culture.

## Junior Retreat: Theme - Faith and Prayer

*"Freedom is not the ability to do anything we want, whenever we want. Rather, freedom is the ability to live responsibly the truth of our relationship with God and one another."* Pope John

Paul II, Saint Louis, Missouri - 1/26/1999

*"In prayer you become one with the source of our true light, Jesus himself."* Pope John Paul II, Saint Louis,

Missouri - 1/26/1999

The junior retreat is a time for juniors to examine their understanding of faith as a relationship with Christ and how prayer (sacraments, liturgy, etc.) strengthens that relationship within the context of the various communities of which they are members. It is a time for juniors to reflect upon their relationships with family, friends, school community, and their church community as concrete evidence of God's love for them, their call to love others and their loving response to their God.

## Senior Retreat: Theme - Courageous Leadership

*"Call out to Jesus to remain with you always along the many roads to Emmaus of our time. May he be your strength, your point of reference, your enduring hope!"* Pope John Paul II, World

Youth Day XII - 11/24/1991

*"The human person, created in the image and likeness of God, cannot become a slave to things, to economic systems, to technological civilization, to consumerism, to easy success."*

Pope John Paul II, Pozan, Poland - 6/3/1997

*"...you are under threat from the bad use of advertising techniques, which plays upon the natural tendency to avoid effort and promises the immediate satisfaction of every desire, while consumerism that goes with it suggests that you*

*should seek self-fulfillment especially in the enjoyment of material goods."* Pope John Paul II, Dilecti

Amici - 3/31/1985

Leaving the comfort and security of high school presents many challenges similar to those seniors experienced in their transition from elementary school to high school. The senior retreat provides seniors with a brief time where they can distance themselves from the stresses of career/college selection, admissions to college, scholarship applications and separation. Seniors have the opportunity to reflect upon this time as a call to courageous leadership which requires them, in light of their faith, not only to challenge some of the values of contemporary society but also to act accordingly. It is an opportunity for seniors to reflect upon their experiences of pursuing truth, acting virtuously, and building community at Pope John Paul II High School and how those experiences translate to their future roles as courageous leaders.

## Service

*"Seek to do good to one another"* - Thessalonians 5:15

*"But - I ask you - is it better to be resigned to a life without ideals...or rather...to seek the truth, goodness, justice, working for a world that reflects the beauty of God, even at the cost of facing the trials it may involve?"* - Pope John Paul II, World

Youth Day XII, 11/24/91

Pope John Paul II High School's Community Service Program develops students who understand service as fundamental and intrinsic to their faith. They demonstrate compassion for victims of injustice and know that they are called to actively commit to building a just society. It is the program's objectives through direct service to others to challenge students' perceptions and stereotypes of those they serve and create empathetic, compassionate and courageous leaders for change. The program is designed to support the School's culture of mutual support for one another and being a people for others. The Community Service program is an extension of this school culture of service into the surrounding community. The School selects and approves placements that permit students to serve others as directly as possible. It is through this contact that not only the lives of those served are changed but the lives of our students. Service experiences are selected and designed to bring about an affective change of heart in our students. With these outcomes in mind, the requirements of the service program are as follows:

- While encouraged to do more, students will be required to offer 80 hours of community service as a graduation requirement during their four years of high school.
- Placements must provide students with as much direct contact with those they serve as possible and appropriate.
- The school will select and approve placements that serve the poor, homeless, shut-ins, disabled, elderly, ill, disenfranchised, illiterate and those with the greatest need of assistance.
- Students are expected to complete their service hours outside of school time. Service to the school is an expected part of the school culture and will not be counted as service hours.

- Faculty and staff are expected to participate in school service projects and model a life of service.
- Students will be expected to reflect, write about and share their service experiences. Time during the Community Period will be set aside for service reflection and sharing.
- Seniors will submit a reflection paper as part of the Service graduation requirement that speaks to their growth through service.
- Selected placements or service sites will be approved based upon age appropriateness of students and will be patterned as follows:
  - Freshman will participate in school sponsored projects *or* approved self-selected projects totaling 10 hours.
  - Sophomores will participate in school sponsored projects or approved self-selected placements totaling 20 hours.
  - Juniors will select up to two service placements which will be approved by the school and serve for a total of at least 20 hours.
  - Seniors will select one placement for their senior service experience totaling at least 30 hours. Seniors will write a substantive paper reflecting on their four-year service experience in the context of the Gospel message to love others.
  - Juniors and seniors may opt to perform their service hours during the summer. Summer service may be performed out of state/country at approved service sites with approved service agencies.

These service opportunities will be an integral part of each student's community period class. The community formed within each community period will become a small family of learners focused on helping each other, the greater school community, and the larger South Sound community.



## THE COMMUNITY PERIOD

**Philosophy:** The purpose of the Pope John Paul II High School Community Period, while integrating the values and teachings of the Catholic Church, is to assist students to reach the goals of a JP II graduate, prepared to engage the world as leaders who are religious and spiritually alive, open to growth, loving, academically and intellectually strong, socially aware and committed to doing justice. JP II educates students to pursue truth, act virtuously and build community. The community formed within each community period will become a small family of learners focused on helping each other, the greater school community, and the larger South Sound community. The community service requirements will be an integral piece of this four-year course. The community period teacher for each student is considered their personal advisor and will assist the student in school communication and scheduling.

### Requirements and Pathways:

Students must pass four years of Community period to successfully complete the graduation requirements of Pope John Paul II High School. The specific graduation requirements completed in this class are the community service hours and the formalization of a senior presentation. This is a pass/fail class and must be passed every semester to meet graduation requirements. Physical activity is also a requirement of this course. CPR, healthy lifestyles and just having active fun are also part of the CP experience.

### Identity - 9th Grade

Two semesters

*USB Flash Drive required (kept all 4 years): 1GB or higher*

Belonging, fitting in, finding your place – these are concerns of every person who enters a new environment. The community period is designed to welcome students personally to Pope John Paul II High School. Respect for the student as an individual and respect for all other members of the community is the foundation of this class. “Who are you?” Let us meet the inside you – not the face you present to the world – and help you become a contributing member of our school community and the greater South Sound community. This class will assist students in their first experiences of community service. School sponsored projects or approved self-selected projects totaling 10 hours are required. As a part of this experience, over the course of the year, students will begin to reflect on and record their personal experiences with the service projects and the 9<sup>th</sup> grade year. Reflections will be kept electronically to become part of the senior reflection project.

### Exploration - 10<sup>th</sup> Grade

Two semesters

*USB Flash Drive required (kept all 4 years): 1GB or higher*

As students continue on the journey toward graduation, this is the time to really explore interests, talents and goals for their future. How students spend the next years of their high school education should be opening doors for their future. With the support of the teacher/advisor and classmates, students will explore the possibilities! This class will assist the students as they grow in their experience of community service. 20 hours that are more self-directed are required. As a part of this experience, students will continue to reflect on and record personal experiences with the service projects and the 10<sup>th</sup> grade year. Reflections will be kept electronically to become part of the senior reflection project.

**Investigation - 11<sup>th</sup> Grade** Two semesters

*USB Flash Drive required (kept all 4 years): 1GB or higher*

With your future in sight, this year is the time to delve into possible college paths to meet individual goals. This is the year for college entrance testing exams and beginning to pull together what is needed for application processes. Students will continue to grow in their experience of community service. This year each student will progress to at least 20 self-directed hours, ideally with at least 10 hours each semester with two different experiences. Students will continue to reflect on and record personal experiences with the service projects and the 11<sup>th</sup> grade year. Reflections will be kept electronically to become part of the senior reflection project.

**Courageous Leadership - 12<sup>th</sup> Grade** Two semesters

*USB Flash Drive required (kept all 4 years): 1GB or higher*

Community Period provides an opportunity to pursue a diverse set of activities designed to assist each student in academic and personal growth. The theme for 12<sup>th</sup> grade is Courageous Leadership; this year is the time to prepare for life after high school. Focus will be placed on college applications, financial aid (FAFSA forms), making a final decision, and preparing for a more self-directed life after high school. Students will continue to grow in their experience of community service by selecting an approved organization that targets our focus populations and by providing at least 30 hours of service based on a minimum of 4 hours per month throughout the school year. Teachers will assist students in finding placements, with the goal to have each student placed with a schedule of service by the end of September. Students will continue to reflect on and record personal experiences with their service project and their 12<sup>th</sup> grade year; these reflections, along with those from earlier years, will be re-examined and integrated to create the senior presentation. The senior reflection paper development and presentation are a large part of this course.

## ENGLISH DEPARTMENT

**Philosophy:** The mission of English education in the high school, while integrating the values and teachings of the Catholic Church, is to expose students to the beautiful art of expression, through reading, writing, listening, and speaking. Students use literature in its many forms; short story, poetry, novel, essay, drama, and nonfiction to examine their perceptions of the present, the past, their personal values, and their potential and creativity. Students will read and respond to the literature studied in class both affectively and evaluatively, use critical skills in reading unfamiliar texts in order to develop an appreciation of the art of expression on many levels. Department classes also emphasize grammar and compositional skills required for effective communication in any venue.

### Requirements and Pathways:

Students must pass four years of English to successfully complete the graduation requirements of Pope John Paul II High School. Students with a strong aptitude or interest in English are also encouraged to take English electives as they become available based upon enrollment. In order to meet the needs of all students, JP II HS offers many pathways for students to achieve success in English. While following a specific course pathway is the standard, movement is possible based upon student needs and teacher recommendation and/or approval. Students struggling with English may be required to attend extra assistance programs either as an elective or on a regular basis before or after school with the consent of the teacher.

	<b>Emerging Scholars</b>	<b>College Prep</b>	<b>Honors College Prep</b>
<b>9<sup>th</sup></b>	English 1A	English 1	Honors English 1
<b>10<sup>th</sup></b>	World Literature	World Literature	Honors World Literature
<b>11<sup>th</sup></b>	American Literature	American Literature	Honors American Literature
<b>12<sup>th</sup></b>	English Literature and Composition	English Literature and Composition	AP English Literature and Composition

#### **English 1A**

1 credit/two semesters

*Prerequisites: Explore Placement test data and middle school teacher recommendation.*

English 1A provides a study of grammar and usage skills as well as a focus on composition skills for sentence, paragraph and essay. Literature includes short story, nonfiction, essay, novel, poetry and drama. Students will have the opportunity to discuss and analyze how literature affects and relates to their lives. This course also focuses on writing with emphasis on the sentence, paragraph, and essay along with strong grammar review. This course parallels the English 1 program while progressing at a slower pace.

#### **English 1**

1 credit/two semesters

*Prerequisites: Explore Placement test data and middle school teacher recommendation.*

English 1 provides a study of grammar and usage skills as well as a focus on composition skills for sentence, paragraph and essay. Literature includes short story, nonfiction, essay, novel, poetry and drama. Students will have the opportunity to discuss and analyze how literature affects and relates to their lives. Through explanation, experimentation and practice, writing skills are emphasized.

**Honors English 1** 1 credit/two semesters

*Prerequisites: Explore Placement test data and middle school teacher recommendation.*

This course is designed for students who have demonstrated an above average ability in the area of Language Arts. While the curriculum is similar to that of the English I listed above, it is extended to challenge those students ready for more in-depth analysis and composition.

**World Literature** 1 credit/two semesters

*Prerequisites: English 1*

This course will endeavor to build composition skills through literary analysis. Skill in expressing themselves in essay form will be emphasized in order that students can express themselves well in all of their classes. Literary terms and structures as well as vocabulary development are emphasized. The literature is selected from various world literature to deepen the students' appreciation and expand their awareness of cultural themes. The primary objective of the course is to further develop students' analytical skills.

**Honors World Literature** 1 credit/two semesters

*Prerequisites: Honors English 1 (C or higher) or English 1 (B+ grade or higher and with teacher recommendation)*

This course will endeavor to build composition skills through in depth literary analysis. While the curriculum is similar to that of World Literature listed above, it is extended to challenge those students who excel in literature. Students will be expected to read more extensively and produce more in-depth analysis within their compositions.

**American Literature** 1 credit/two semesters

*Prerequisites: World Literature*

This course explores our American Heritage chronologically so that the student will become acquainted with the writers who have shaped our literary background. The student will read, write, and discuss the types of literature which ultimately reflect the philosophies of the authors. The students will increase their awareness of their own value system and that of the society in which they live. Compositions involving criticism, analysis, argumentation and comparison/contrast will be assigned. Students will read selected American novels.

**Honors American Literature** 1 credit/two semesters

*Prerequisites: Honors World Literature (C or higher) or World Literature (B+ grade or higher and with teacher recommendation)*

This course explores our American Heritage and is a survey of the major writers, modes and themes in American literature from the time of the first settlements in the New World to the present. Specific writers include such major figures as Emerson, Thoreau, Hawthorne, Twain, Dickinson, Fitzgerald, Hemingway and Steinbeck. The primary objective of the course is to develop students' analytical skills through close reading of assigned material and in depth class discussion. This critical analysis will focus on the unique development of the American character and its relationship to the continual development of the American consciousness. Students will be required to exhibit their analytical skill in both take home writing assignments and in class essay exams. In addition to daily class assignments, extensive outside reading is required.

## English Literature and Composition

1 credit/two semesters

*Prerequisites: American Literature*

The primary objective of this course is to prepare students for college by focusing on the writing process. Special emphasis will be placed on the development of analytical writing skills transferable to other disciplines. Students build on their composition skills by strengthening their ability to develop expository, descriptive, and narrative essays. The literature is selected primarily from English authors.

## AP English Literature and Composition

1 credit/two semesters

*Prerequisites: Honors American Literature (C or higher) or American Literature (B+ grade or higher and with teacher recommendation)*

The primary focus of this course will be the study of British literature. This class supplements the previous honors curriculum to complete the students' preparation for the AP exam in English Literature and Composition. To work toward that goal, those elements from the AP literature exam will be embedded in the curriculum, especially analytical writing. The AP exam is not required though it is highly encouraged. *Starting with the 2019 – 2020 school year, registration for AP exams will take place in the fall for the May exam.*

*Other potential independent study English courses are available. Talk to the English Department Chair for information.*

## FINE AND PERFORMING ARTS DEPARTMENT

**Philosophy:** The mission of fine arts education in the high school, while integrating the values and teachings of the Catholic Church, is to inform and challenge students' perceptions of artistic awareness both personally and culturally, and to give students the opportunity to fully participate in the creation of visual and/or auditory forms of art. Fine and performing arts are an elegant vehicle for communication that affects the senses of the creator and the audience. It can challenge or enhance the individual's or society's thoughts.

The assumption that students have to have special talents to participate in fine or performing arts is naive. Talent is certainly welcome and nurtured to its full potential, but *all students* are encouraged to experience the creative utilization of their spiritual, intellectual, emotional and physical selves regardless of a perception of "talent".

### Requirements and Pathways:

All students must earn one credit from the fine and performing arts department (although some fine arts credits are available in the Technology Unlimited department.) Students with high interest or aptitude for these creative expressions are encouraged to take additional elective courses. In particular, both the student and the music program will benefit from a full four-year commitment to excel in vocal or instrumental music, preparing the student for participation in college level performance classes in the future.

### Yearbook

\*1.0 credit/two semesters

*\*Please note: Yearbook may not be considered a fine art for some universities, most notably University of Washington.*

This course is designed to provide students with class time to produce the JP II Yearbook. Students will learn the mechanics of layout, design and production. They will also receive instruction in photography, business management and copy writing. Students will have responsibilities to meet deadlines by efficiently using the class time allotted. Occasional after school work periods may be necessary.

### Art I & Art II

0.5 credit each semester

The purpose of this course is to establish basic drawing and painting techniques, familiarize students with various common art media, and to access creativity in two and three dimensions. Students will practice sketching as the primary beginning to all forms of visual art, and do work in charcoal, oil pastel, soft pastel, watercolor and acrylic paint, intaglio printing, and basic hand-built clay. We are also able to do a basic study of copper repousse' and cast bronze sculpture. Students will learn the theory of color compliments, shadow and highlight, textural contrast, and theory of brushstroke. In addition to art assignments there are several quizzes, painting reports, and each semester a final project of the student's design. In addition to building knowledge and technique, art I and II facilitates the creation of the sort of art portfolio expected of students applying for scholarships and grants in visual art. This program is suitable for all students whether they consider themselves artists or not and regardless of the perception of natural aptitude.

**Art III & Art IV**

0.5 credit each semester

*Prerequisites: Art I & Art II*

Advanced art continues the exploration of all media and preparation of professional-quality portfolio. This course expands on all aspects of Art I and II but gives much more opportunity for self-directed projects and themes. Advanced art students are encouraged to work in series and develop creative ideas beyond a single assignment as is the standard professional practice. Advanced art students will also be pursuing long-term goals in art, such as researching scholarships, shows, and grants. They will also be tasked to commit their entire Art I-IV portfolio to digital format as is required for most art related submission. Advanced students are encouraged to formulate an Artist's Statement and to display work in public. A desire to pursue a career in art is not required. One does not have to graduate college with a fine arts degree to accept art scholarships.

**Choir**

1.0 credit/two semesters

JP II Choir accepts students who are willing to become members of a select group of individuals who accept the responsibility of bringing their gifts to create an exceptional ensemble. We will sing a variety of music from many historical periods and styles. Your skill level when you join the Choir does not matter because we work on vocal technique and musicianship daily. We represent our school community by performing in concerts, liturgical celebrations at the school and at the diocesan level, and choral festivals. Students will also have the opportunity to sing solos and in small ensembles. There are no pre-requisites except the willingness and effort to learn and contribute to the ensemble.

**Jazz Band**

1.0 credit/two semesters

Young musicians will have the opportunity to perform in various venues throughout the school year. As we are a small school, all students will be in one band class and are therefore the only instrumental representatives for Pope John Paul II High School. Performance is a significant part of the assessment for this class.

**Advanced Jazz Band**

1.0 credit/two semesters

Students who have successfully completed one year of Jazz Band and are interested in musical leadership including solos may qualify for this course. Advanced Jazz Band is evaluated under the honors grading scale. Performance is a significant part of the assessment for this class.

## MATHEMATICS DEPARTMENT

**Philosophy:** The mission of mathematics education in the high school, while integrating the values and teachings of the Catholic Church, is to challenge students and provide them with strategies to identify problems, organize information, devise a plan, solve the problem, and analyze the solution to communicate results. Mathematical reasoning and analysis and the use of equations to model real-life relationships will be presented concurrent with a focus on fundamental number sense, algebraic sense and geometric sense. These are the foundations of strong mathematical understanding. Mathematics is a thing of beauty, exciting in its logic, elegance and coherence. It builds the analytic spirit on which intelligent and precise thinking depend.

The assumption that students have to have special talents to be successful in mathematics has reigned for too long. Everyone needs to have broad, deep and useful knowledge of mathematics in order to stay ahead of our global economic competitors. Students will be provided with the skills and understanding needed to demystify mathematics.

### Requirements and Pathways:

Students must pass four years of mathematics to successfully complete the graduation requirements of Pope John Paul II High School. Advanced Algebra must be completed as this is a four-year college admission requirement. In order to meet the needs of all students, JPII HS offers many pathways for students to achieve success in understanding mathematics. While following a specific course pathway is the standard, movement is possible based upon student needs and teacher recommendation and/or approval. Students struggling with mathematics may be required to attend extra assistance programs either as an elective or on a regular basis before or after school with the consent of the teacher. Each course has the prerequisite of a C or higher completion of the previous class. Transfer students must meet with the department chair prior to placement to insure appropriate placement for the success of the student. Graphing calculators are required for all courses. All classes will have assessments with and without calculator technology.

	Emerging Scholars	College Prep	Honors College Prep
9 <sup>th</sup>	Algebra 1	Geometry	Honors Geometry
10 <sup>th</sup>	Geometry	Algebra 2	Honors Algebra 2
11 <sup>th</sup>	Algebra 2 Algebra 2A	Pre-Calculus	Honors Pre-Calculus
12 <sup>th</sup>	Pre-Calculus Algebra 2B	AP Calculus	AP Calculus AB *AP Statistics (Based on student's mathematical needs)

### Algebra 1

1 credit/two semesters

*Graphing calculator required: TI-83+ or higher*

This course is designed for freshmen who have had limited access or success with algebra topics in the middle school years. Algebra provides the foundation for mathematical understanding. Students will review skills related to variables, order of operations, solving equations and inequalities. The concept of function is a focus throughout the course as the student studies linear, exponential, quadratic, polynomial, radical, and rational functions. Inequalities and statistical data modeling are also introduced throughout the course.

**Geometry** 1 credit/two semesters

*Graphing calculator required: TI-83+ or higher*

*Prerequisites: Explore Placement test data and middle school teacher recommendation.*

This course organizes geometric content so students make a connection between geometry concepts and proofs to the world around them. Logical reasoning and critical thinking are the underlying concept throughout the entire year as students explore relationships with points, lines, angles, triangles, quadrilaterals, polynomials, circles, and 2D and 3D measurement. Coordinate geometry is applied throughout the course. Students will also study right triangle trigonometry. Algebraic skills practice is included throughout the course.

**Honors Geometry** 1 credit/two semesters

*Graphing calculator required: TI-83+ or higher*

*Prerequisites: Explore Placement test data and middle school teacher recommendation.*

This class provides a more rigorous course at a deeper level of application than the Geometry listed above. Students complete additional "Performance Tasks" for each Chapter, which require integration of previous concepts in order to solve more difficult applications of geometry. Students are expected to work more independently and apply creativity to novel situations in order to succeed.

**Algebra 2A** 1 credit/two semesters

*Graphing calculator required: TI-83+ or higher*

*Prerequisites: Geometry (C grade or higher) and teacher recommendation.*

This course is year one of a two-year sequence of Advanced Algebra content. The course begins with the study of linear equations and inequalities. Quadratics, polynomial, power and root functions are explored in addition to exponential and logarithmic functions. The course covers right angle trigonometry, radian measure and the inverse trigonometric functions. This course is designed for the student who would benefit from additional review and practice with algebraic concepts and manipulations. This course is offered as needed.

**Algebra 2B** 1 credit/two semesters

*Graphing calculator required: TI-83+ or higher*

*Prerequisites: Algebra 2A (C grade or higher)*

This course is year two of a two-year sequence of Advanced Algebra content. The course reviews and expands upon the study of linear, quadratic, exponential and logarithmic functions introduced in Intermediate Algebra I. In addition to right angle trigonometry this course covers the Law of Sines and Cosines and graphing of the trigonometric functions. Manipulation and evaluation of rational functions will be covered in addition to an introduction to probability and statistics. Technological tools, projects and group work as well as traditional forms of assessment will be used in this course. This course is offered as needed.

**Algebra 2** 1 credit/two semesters

*Graphing calculator required: TI-83+ or higher*

*Prerequisites: Geometry (C grade or higher)*

Algebra 2 emphasizes facility with algebraic equations, their graphs, and applications of mathematics to the world around them. The study begins with a review of basic algebra concepts and progresses from linear and quadratic functions to polynomial, exponential, logarithmic and rational functions. Matrices are explored as a tool for solving systems of equations. All topics are considered in four forms, Numerically, Algebraically, Graphically and Verbally. This course continues with an exploration of trigonometric functions. Competency both with and without the use of technology is emphasized.

**Honors Algebra 2** 1 credit/two semesters

*Graphing calculator required: TI-83+ or higher*

*Prerequisites: Honors Geometry/Trigonometry (C or higher) or Geometry (B+ grade or higher and with teacher recommendation)*

Honors Algebra 2/Math Analysis emphasizes facility with algebraic equations, their graphs, and applications of mathematics to the world around them. Students re-focus on algebraic thinking and relationships through various mathematical topics. All topics are considered in four forms, Numerically, Algebraically, Graphically and Verbally. These are the four required forms of mathematics expected from students in AP courses. This course is designed to focus students on the processes and underlying understanding of algebra using these four forms. Competency both with and without the use of technology is emphasized.

**Pre-Calculus** 1 credit/two semesters

*Graphing calculator required: TI-83+ or higher*

*Prerequisites: Algebra 2 (C grade or higher)*

Students extend their understanding of algebraic thinking and relationships through various mathematical topics. All topics are considered in four forms, Numerically, Algebraically, Graphically and Verbally. These are the four required forms of mathematics expected from students in AP courses. This course is designed to focus students on the processes and underlying understanding of algebra using these four forms. Students study the underpinnings of Calculus, limits, derivatives and integrals in a pre-calculus context. The course also emphasizes increased manipulation of functions to find equivalent forms. Polynomials, rational functions and trigonometric functions are key to these processes. Also emphasized are piecewise functions, step functions and other related topics. Competency both with and without the use of technology is emphasized. This course continues with a rigorous exploration of trigonometric functions and identities

**Honors Pre-Calculus** 1 credit/two semesters

*Graphing calculator required: TI-89 or higher*

*Prerequisites: Honors Algebra 2/Math Analysis (C or higher) or Algebra 2 (B+ grade or higher and with teacher recommendation)*

This course is a more rigorous and in-depth look at the pre-calculus concepts listed above. Students will become experts at algebraic manipulation of functions. Exploring each mathematical topic numerically, algebraically, graphically and verbally students will become fluent in the language of mathematics. Students will be able to communicate their mathematical knowledge to others at various levels of mathematics.

**AP Calculus AB** 1 credit/two semesters

*Graphing calculator required: TI-89 or higher*

*Prerequisites: Honors Pre-Calculus (C or higher) or Pre-Calculus (B grade or higher and with teacher recommendation)*

Students will emerge from this class with a clear understanding of the conceptual underpinnings of calculus. The goal is not to memorize a process, rather students need to fully recognize the reasoning involved so they can then apply the procedures necessary to reach a solution. Students will study the four major ideas of calculus this year: Functions, Graphs and Limits; Derivatives; Indefinite Integrals, and Definite Integrals. Throughout all of these topics, the focus on the conceptual understanding will require that we study each of these topics in four ways, graphically, numerically, algebraically, and verbally. Additionally, students will be expected to relate these various modes to each other within the context of each calculus topic. The AP designation signifies that this course is taught with the rigor of a college level introductory statistics class. The AP exam is not required for high school credit but all students are encouraged to take the exam. *Starting with the 2019 – 2020 school year, registration for AP exams will take place in the fall for the May exam.*

**AP Statistics**

1 credit/two semesters

*Graphing calculator required: TI-83+ or higher**Prerequisites: Pre-Calculus (C grade or higher)*

Statistics is the mathematics of formally compiling data from samples and then applying the rules of probability to both data and samples in an attempt to draw meaningful conclusions about the characteristics and behavior of large populations. The AP designation signifies that this course is taught with the rigor of a college level introductory statistics class. The AP exam is not required for high school credit but all students are expected to take the exam. *Starting with the 2019 – 2020 school year, registration for AP exams will take place in the fall for the May exam.*

**Independent Study Courses** Credit to be determined*Prerequisites: Department chair approval required.*

Students who exceed the previous curriculum may opt to take an independent study course with the approval of the department chair and the principal. Possible courses may be extensions of Calculus, focus on individual math topics such as linear algebra, number theory, history of mathematics, or discrete math. Students at this level are encouraged to take the AP Statistics course instead of an independent study course as most college majors require some statistics.

## MODERN LANGUAGE DEPARTMENT

**Philosophy:** The mission of modern language education in the high school, while integrating the values and teachings of the Catholic Church, is to provide students with a combination of grammatical and communicative skills with a cultural background in the language of choice. Listening, speaking, reading and writing within the language are the foundation and key components of learning. Throughout their course of study, students will develop a heightened awareness and appreciation of cultural issues pertaining to all countries who utilize the language being studied.

### Requirements and Pathways:

Students must pass three years of foreign language to successfully complete the graduation requirements of Pope John Paul II High School. Occasionally students come to high school with a previous background in a foreign language. Students who would like to start at a level beyond first year must take a challenge test to determine placement. Currently, Spanish is the only language available. Options will be expanded as enrollment allows.

	Emerging Scholars	College Prep	Honors College Prep
9 <sup>th</sup>		Spanish 1	Spanish 2
10 <sup>th</sup>	Spanish 1	Spanish 2	Spanish 3
11 <sup>th</sup>	Spanish 2A	Spanish 3	Spanish 4
12 <sup>th</sup>	Spanish 2B	Spanish 4	Honors Spanish 5

### Spanish 1 1 credit/two semesters

This course is designed as an elementary Spanish course that introduces the student to the language and cultures of Spanish speaking peoples. Students learn to negotiate basic social situations in Spanish, including the cultural awareness of how those social situations differ from the American culture they are used to experiencing. Additionally, students develop the ability to speak, read and write about themselves and other people, family, food, their possessions, places, cities, age, hobbies, sports and shopping. The course develops students' speaking, listening, reading and writing competence in basic predictable situations. This course is gradually conducted more frequently in Spanish as students progress through the curriculum.

### Spanish 2 1 credit/two semesters

*Prerequisites: Spanish 1 (C or higher) or challenge test placement.*

In this course, students further develop communicative proficiency in Spanish and learn more about the cultures of the Spanish speaking peoples. Students develop improved accuracy in communication and increased awareness and knowledge of culture and history through discussion, film, and reading. Students improve their ability to speak and write in many discourse styles. The course focuses students' speaking, listening, reading and writing competence in less predictable situations. This course is conducted primarily in Spanish.

### Spanish 2A 1 credit/two semesters

*Prerequisites: Spanish 1 and teacher recommendation*

This course mirrors Spanish 2 at a slower pace designed to help those students who struggle to connect foreign language structures and vocabulary. All students are required to take three years of a language to graduate from JP II. This course is designed, with its companion course Spanish 2B to assist the student whose aptitude for languages is still developing. This course is frequently conducted in Spanish as student progress allows. This course may not be available every year.

## Spanish 2B

1 credit/two semesters

*Prerequisites: Spanish 2A*

This companion course to Spanish IIA mirrors the remaining Spanish 2 curriculum at a slower pace designed to help those students who struggle to connect foreign language structures and vocabulary. All students are required to take three years of a language to graduate from JP II. This course is designed, with its companion course Spanish IIA to assist the student whose aptitude for languages is still developing. This course is conducted primarily in Spanish. This course may not be available every year.

## Spanish 3

1 credit/two semesters

*Prerequisites: Spanish 2*

Spanish 3 prepares students to speak, read and write in the three major time frames (past, present, future). Students will read about, complete special projects, and prepare reports and presentations on topics that introduce them to the art, crafts, music, dance, literature, and film of Spanish speaking communities. The course prepares students to develop paragraph length discourse in present, past and future tenses to express hypothetical ideas and negotiate contexts where a wide variety of vocabulary and structures is required. This course is conducted almost exclusively in Spanish.

## Spanish 4

1 credit/two semesters

*Prerequisites: Spanish 3*

Spanish 4 develops students' spoken fluency and reading and writing proficiency. Students also study Spanish speaking cultures in greater depth, focusing on one culture in particular. Students use authentic reading and listening materials as they review the more complex grammatical structures in depth. Career opportunities connected with Spanish language competence are also discussed in class. Emphasis is placed on further developing students' Spanish proficiency where context is not predictable. This course is conducted almost exclusively in Spanish. Student may choose to take the AP Spanish Language and Culture exam.

## Honors Spanish 5

1 credit/two semesters

*Prerequisites: Spanish 4*

Honors Spanish 5 is conducted entirely in Spanish. Students complete a comprehensive review of Spanish grammar. Special attention is given to more complex grammatical structures. Students will develop their speaking, listening, reading, and writing proficiency in Spanish. The AP Spanish Language curriculum requires that the student be able to write a well-developed essay in Spanish and discuss a variety of topics in Spanish. The course will incorporate a rich and varied selection of literary texts, historical and cultural readings, periodical readings, films, television programs, and guest speakers. Students are encouraged to take the AP Spanish Language Exam.

***Other Modern World Languages are available as online courses taken as an independent study. Please speak with administration about availability of languages. Students are urged to consider whether an independent study matches their learning style and must have approval from the administration to take a language other than Spanish. Additional hardware of a USB headset with microphone is required for alternate languages.***

## PHYSICAL EDUCATION AND WELLNESS DEPARTMENT

**Philosophy:** The mission of physical and wellness education classes at Pope John Paul II High School are to provide strategies that promote wellness, and make fitness a lifetime priority while challenging students in a collaborative environment. Through integration of the above mentioned mission and the values and teachings of the Catholic Church, students are instilled with the attitudes and beliefs that encourage a healthy way of living in the future. Furthermore, we want to give students the knowledge, experience, and desire essential to carry out a life of fitness and wellness. Performance and concern for health and physical maturity for each individual are emphasized. The measure of personal performance is not what an individual can do in comparison to others, but what he or she can do in comparison to his or her own best self. It is in this framework that the physical education and wellness department join enthusiastically in the mission of helping develop the God-given potential in every student.

### Requirements and Pathways:

Students must pass two semesters of physical education and one semester of health to successfully complete the graduation requirements of JP II High School. The first is taken in the freshmen year and the second is earned through participation in 4 years of the Community Period (.0625 credit per semester).

### Physical Education 1.0 credit/two semesters

This class will provide students with an introduction to a variety of activities that can become lifetime habits of a healthy lifestyle. Emphasis will be placed on fundamentals, safety concerns, health issues, basic strategies, and skill development.

### Health and Wellness 0.5 credit/one semester

The content of this course will be drawn from the broad areas of physical, social, and mental health. Emphasis is placed on the wellness approach and the following health issues: goal setting and decision making, stress management, communication skills, mental and emotional health, family and social health, communicable and non-communicable diseases, substance abuse, and relationships. Other topics of study are First Aid and CPR, fitness, nutrition, sleep, anatomy and physiology, substance abuse and addictions, disease and prevention, and health careers.

## THEOLOGY DEPARTMENT

**Philosophy:** Pope John Paul II High School exists in order to provide an excellence in education that is *more than* academic. Religious education at JP II begins with the awareness that all members of the school community are religious educators, with parents as the primary educators. Within this community of faith, and following the wisdom of our namesake, Pope John Paul II, the religious education department challenges the student to more consciously reflect on their lives and the world in light of Catholic Christianity so that they may ultimately be more integrated (whole), more discerning, and more able to choose to be a person for others. Students will experience God personally and communally whether they are Catholic or from a different faith tradition. They will examine their religious understandings and beliefs in developing their individual relationship with God and in validating their faith and their commitment to community. Class interaction, reading, and participation in discussions, prayer, and personal reflection are essential to all courses. Focus in the religion department, as stated in the grad at grad language, is to insure that students will:

- Understand that each individual is created and unconditionally loved by God and is therefore worthy of their love and others.
- Have a basic knowledge of Christianity and of the major doctrines and practices of the Catholic Church and understand Catholic Christianity through the study of and reflection on Catholic Teachings, Tradition, and Scripture.
- Have developed an understanding of the Church's role in Christ's redeeming mission and seek to participate actively and fully in the Church's life and mission of evangelization.
- Have developed a relationship with Christ through Eucharist, prayer, reflection, retreats and service.

- By the grace received through the Sacrament of Reconciliation and shared experiences, recognize the fundamental importance of reconciliation with friends, family, Church and God.
- Begin through service and an understanding of the Church's teaching on social justice to comprehend that faith in Jesus as Christ obligates one to live a life as a person for others.

### Requirements and Pathways:

Students must pass four years of theology to successfully complete the graduation requirements of Pope John Paul II High School.

### Catholic Foundations and Personal Identity

1 credit/one semester

*9<sup>th</sup> grade or introductory course*

This course is designed to introduce first-year students to the foundations of the Catholic faith, with a focus on the two "pillars" that together comprise the deposit of faith: Sacred Scripture and Tradition. The first part of the course focuses on the central beliefs, attitudes, and practices of Catholicism. Students will explore a variety of topics: God, Revelation, Scripture, faith, the Trinity, the Church, worship, sacraments, morality, and prayer. Each student will be challenged to know and experience the Catholic faith and recognize its relationship to their personal identity as they confront struggles found in everyday life and, most particularly, in the lives of young adults who are faced with critical personal choices. The course examines the call and the presence of God working within individuals to build a society of justice and peace, inviting students to reflect on their own potential to create a more just and loving world. The second part of the course presents a deeper study of the Bible and the history of our salvation presented within it. Students learn how to navigate the Bible and use basic exegetical skills to create an appropriate, faith-filled interpretation of Scripture within the living Tradition of the Church. They come to know the pivotal events and people of salvation history: the pre-historical accounts of Creation and

the Fall; the establishment of the Israelites' covenant relationship with God; Israel's early leaders, judges, and kings; and the prophets. This portion of the course focuses largely on the Old Testament, with a brief introduction to the New Testament and the origins of Christianity in preparation for the 10<sup>th</sup> grade course.

### **Jesus of History, Christ of Faith**

1 credit/two semesters

#### *10<sup>th</sup> grade*

This course provides students with an extensive understanding of Christology. The focus is provided and maintained throughout the course by reading the New Testament from a historical as well as a faith perspective. Through a further study of Scripture, students come to understand that Jesus Christ is the ultimate Revelation of a loving God and the fulfillment of salvation history and the Israelites' covenant relationship with God. Students encounter various images of Jesus as uniquely portrayed in each Gospel and become familiar with the historical context of first-century Palestine. They explore Jesus' mission to proclaim and model the Reign of God by examining his significant relationships, teachings, and miracles and reflect on the practical meaning of the Gospel message, particularly as it relates to Catholic teachings on morality. The course explores how, through his suffering, death, Resurrection, and Ascension, Jesus fulfills God's promise of redemption and makes our redemption possible. The course also addresses how we continually experience the Paschal Mystery in our lives and the liturgy of the Church. Throughout the course, the students reflect on how they may grow to know and love Jesus Christ more personally. They are challenged to answer the question Jesus Himself proposed to His disciples: "Who do you say I am?" In learning about who he is, the students also learn who he calls them to be and to see discipleship as a response to God's love.

### **The Church and Sacraments**

1 credit/two semesters

#### *11<sup>th</sup> grade*

This course leads the students toward a deeper understanding of the Church and Sacraments as the means to encountering the living Jesus. The first part of the course focuses on ecclesiology and Church history and explores the origin, the human and divine elements, and the ongoing mission of the Church. Through the study of primary sources, students become witnesses to the pivotal events and major figures of Church history. Students explore the marks of the Church; models of the Church; and the Church's ongoing efforts to gather all into the People of God through the ecumenical movement and interreligious dialogue. Students reflect on their role in the Church and Christ's invitation to actively participate in and contribute to the life of the Church. The second part of the course focuses on the concept of sacramentality and the seven official Sacraments of the Catholic Church. Students examine the role of signs, symbols, and rituals in everyday life and how they connect us to the eternal. Students come to a deeper understanding of the primary symbols, words, rituals, and ongoing effects of each of the seven Sacraments. They explore the roots of each Sacrament in Scripture, the life and ministry of Jesus, and the Tradition of the Church, as well as how our understanding and practice of the Sacraments has developed since the Second Vatican Council. Emphasis is placed on connecting classroom studies with the students' own sacramental experiences as life-giving encounters with Christ.

## Moral Theology and Social Justice

1 credit/two semesters

*12<sup>th</sup> grade*

This course builds upon three years of religious and faith formation in which moral teachings and social justice have been introduced within the context of Catholic Tradition and Scripture. The purpose of this course is to give students an opportunity to reflect on where they have been, where they are now, and where they are going. Learning and choosing to be “a person for others” forms the basis for this class. After an initial investigation into the nature of human beings, moral principles, and the Christian moral tradition, the course addresses specific moral issues in terms of personal and communal morality. Poverty, hunger, discrimination, war, and other issues that affect our world today are examined. The teachings of John Paul II in particular are highlighted. Topics for discussion include but are not limited to:

- Lifestyles – which explores the general decisions each person is called to make as an adult Christian in the modern world, with a special emphasis on sexuality, marriage, single life, religious vocations, etc.
- Bioethics – which focuses on life issues, especially in Biology and medicine, from a Christian ethical standpoint.
- Social Justice – which maps out Catholic Social Teaching and its impact upon everyday life choices for a person of conscience. Readings from the social encyclicals form the basis for study and discussion.
- Peace – which explores the Christian response to war and the cycle of violence throughout history, with an emphasis on just war theory and nonviolence.

## SCIENCE DEPARTMENT

**Philosophy:** The mission of the Science Department is to connect Pope John Paul II High School's goals of academic excellence, and the values and teachings of the Catholic Church to our understanding and comprehension of science in today's world. For this reason, science courses are designed to provide students with an academic opportunity that reflects high standards of performance in the study of various fields of science, use of the scientific method (inquiry) and critical thinking with an appreciation of God's divine gift of creation of the universe. The focus of the Science Department is to provide students with a scientist's approach to science. Consequently, students will understand how an experiment is prepared, conducted and presented at a scientific meeting at the conclusion of each course. The curriculum provides an understanding of the nature of scientific knowledge in relationship to math skills, scientific writing and computer technology as tools to support scientific inquiry and understanding. The department offers numerous courses, both full year and semester.

### Requirements and Pathways:

Students must pass three years of science to successfully complete the graduation requirements of Pope John Paul II High School. In order to meet the needs of all students, JP II HS offers three pathways for students to achieve success in understanding science. While following a specific course pathway is the standard, movement is possible based upon student needs and teacher recommendation and/or approval. Students struggling with science may be required to attend extra assistance programs either as an elective or on a regular basis before or after school with the consent of the teacher. Each course has the prerequisite of a C- or higher completion of the previous class. Graphing calculators are not required for all courses, but highly recommended. Lab skills, inductive reasoning and quantitative precision will be emphasized in accompanying lab investigations. Students are expected to maintain a lecture and laboratory notebook (journaling) in all Science

courses using the OneNote computer program. Biology, Chemistry and Physics are offered in college prep and honors sections, and Biology.

	<b>Emerging Scholars</b>	<b>College Prep</b>	<b>Honors College Prep</b>
<b>9<sup>th</sup></b>	MSI	MSI or Honors MSI	Honors MSI
<b>10<sup>th</sup></b>	Biology	Biology or Honors Biology	Honors Biology
<b>11<sup>th</sup></b>	Chemistry	Chemistry or Honors Chemistry	Honors Chemistry
<b>12<sup>th</sup></b>	Science Elective available	Physics or Honors Physics	Honors Physics

### Methods in Scientific Inquiry (MSI)

1 credit/two semesters

Methods in Scientific Inquiry is designed as an inquiry based, method-oriented, interactive examination of science, integrating traditional laboratory methodology and technical writing with computer technology. Topics of study include physical sciences (physics and chemistry), the earth sciences (meteorology, geology, climate change), and astronomy. Students will work both independently and cooperatively to develop the scientific skills necessary to conduct a scientific investigation. Students are challenged to work, think and act as a scientist. Students will use the scientific method to analyze data gathered in any of the above areas of study. In conjunction with their scientific investigations, students will spend required time using computer technology to analyze and process data into data tables and graphs, writing conclusions, and prepare written scientific reports summarizing their work. Students are expected to do independent research projects, write research papers and present their research using Microsoft Office as part of the course requirements.

**Honors MSI** 1 credit/two semesters

*Prerequisites: Algebra 1 with a C or better.*

Honors MSI students study the same content as the MSI class, but are tasked to a greater leadership role during group activities. In addition, the regular chapter assessments will include Honors problems that require students to think more deeply and generate more broadly-useful conclusions.

**Biology** 1 credit/two semesters

*Prerequisites: MSI*

Biology is the study of life on Earth. This course will emphasize the fundamental unity of life via structure/function relationships in living organisms. Throughout the course, the major life processes among living organisms will be covered. Each student will participate in class discussion, field studies, research projects, and report writing. At the conclusion of this course, students will have a general review of the scientific method, basic chemistry concepts, and laboratory skills including the metric system. Other topics include study of the generalized cell inclusive of structure/function relationships, cell reproduction and cell differentiation, DNA replication, transcription, translation, modern genetics, evolutionary theory, taxonomy of living systems and integration of living systems in the natural world. Students are expected to do independent research projects, write research papers and present their research using Microsoft Office as part of the course requirements.

**Honors Biology** 1 credit/two semesters

*Prerequisites: Honors MSI (B grade or higher and teacher recommendation)*

Honors Biology is a rigorous class in which students complete independent projects in each Unit while pursuing the same content as the Biology class. In addition, the regular chapter assessments will include Honors problems requiring more in-depth thought and the ability to see beyond the facts into the strategies behind functions and behaviors we observe in the living world.

**Marine Biology** 0.5 credit/one semester

*Prerequisites: Biology or Honors Biology*

Marine Biology is an elective class intended to attract both students with an interest in the varieties of marine life. If life truly began in the seas, then Marine Biology can be the most fundamental approach to understanding living things. This class covers basic ocean geology, marine biology, structure and function of marine organisms, and ecosystem roles of diverse marine organisms. Each student will participate in class discussion, field studies, research projects, report writing and presentations. At the conclusion of this course, students will possess a general understanding of the ocean environment as well as specific knowledge of several keystone species found across the globe. Marine Biology is designed to lead directly into The Marine Environment, a course that explores contemporary challenges facing marine ecosystems, and challenges students to identify both emergent problems and potential solutions unique to marine ecosystems. *This class may not be offered every year.*

### **The Marine Environment** 0.5 credit/one semester

*Prerequisites: Biology or Honors Biology*

The Marine Environment is an elective class designed to familiarize students with the complexities of the ocean environment and the ecosystems that interact within that environment. Topics covered include Ocean systems and weather, population ecology and interactions, human use of ocean biological resources, marine energy resources, pollution, and realities of current human interactions with our environment. Global adoption of modern technologies has altered our planet's land, air, water, nutrient cycles, biodiversity, and climate at dizzying speeds. The Marine Environment will highlight global changes that are occurring to oceans and coastal systems, to help us to understand the problems we create while illuminating paths to solutions. Students will participate in class discussion, field trips, small projects, report writing and presentations. At the conclusion of this course, students will possess a better understanding of human interactions with our marine environment, the high price of technological advancement, and the need for a more sustainable path forward. In addition, students will become aware of the true impacts of the choices they are making now and in the future, to identify places where effective change can and MUST be made. *This class may not be offered every year.*

### **Chemistry** 1 credit/two semesters

*Prerequisites: Math through Algebra II, Biology, G.P.A. 2.0 or above (or by special permission of Science department).*

Chemistry provides the student with a comprehension of the molecular theory of matter and energy. Students are expected to understand and use the metric system along with basic algebraic concepts. Chemical topics include atomic theory, chemical bonding, chemical terms and formulas, the Mole, Periodic Table, chemical reactions, stoichiometry, energy transformations, gas laws, states of matter, study of water and solutions, and acid-base concepts. Laboratory investigations are performed to develop a stronger understanding of the basic underlying chemical concept.

### **Honors Chemistry** 1 credit/two semesters

*Prerequisites: Math through Honors Algebra2I, Honors Biology, 3.0 GPA or above.*

Students will study Chemistry as described above in Chemistry with additional and more detailed study in the following areas: chemical reaction kinetics and equilibrium, analytical chemistry, nuclear chemistry, and electrochemistry. This course is designed to prepare a student for future courses or careers that require a strong foundation in chemistry. To meet that goal the student should plan to take both semesters of the course. This two semester course will give an adequate preparation for college chemistry. Laboratory investigation and mathematical concepts are an integral part of Honors Chemistry.

### **Physics** 1 credit/two semesters

*Prerequisites: Algebra 2.*

Physics is a high school level lab oriented course designed to be accessible to the students with at least Algebra 2 mathematical skills (concurrent enrollment in Algebra 2 is acceptable, but Pre-Calculus is preferred.) Emphasis is placed on basic understanding of principles of physics, such as motion, forces, momentum and energy. Other topics include waves (light and sound), basic electronics, basic quantum theory, and theory of relativity. Students will use graphing calculators and computers to collect and analyze data as they explore the physical world.

### **Honors Physics** 1 credit/two semesters

*Prerequisites: Concurrent enrollment in Pre-Calculus or Calculus.*

Honors Physics students study the same content as the Physics class, but are tasked to a greater leadership role during group activities and regularly are assigned homework problems that require more rigorous application of physics concepts. In addition, the regular chapter assessments will include Honors problems that require students to think more deeply and generate more broadly-useful conclusions.

## **AOPA: Introduction to Flight / Aircraft Systems**

**Part I** 1 credit/two semesters

In this course, students will take a closer look at the aircraft they may one day operate. Students will begin with an exploration of the types of aircraft in use today before going on to learn how aircraft are made and how they fly. Students will understand how aircraft are categorized, be able to identify their parts, and learn about aircraft construction techniques and materials. They will gain an in-depth understanding of the forces of flight—lift, weight, thrust, and drag—including how to make key calculations. They will then touch on aircraft design, looking at stability, aircraft controls, and maneuvering flight. The course will conclude with a focus on career skills related to these topics. *This course will be offered on alternate years.*

## **AOPA: The Flying Environment**

**Part II** 1 credit/two semesters

This course is foundational for both manned and unmanned aviation, and will prepare students to take either of two Federal Aviation Administration tests: The Private Pilot Knowledge Test or the Part 107 Remote Pilot Knowledge Test. Topics include: pre-flight procedures, airspace, radio communications, aviation phraseology, regulations, airport operations, aviation safety, weather, cockpit management, and emergency procedures. *This course will be offered on alternate years.*

## SOCIAL STUDIES DEPARTMENT

**Philosophy:** The mission of the Social Studies Department is to connect Pope John Paul II High School’s goals of academic excellence, and the values and teachings of the Catholic Church to our understanding and comprehension of human history and human cultures both past and present. For this reason, Social Studies courses are designed to provide students with an academic opportunity that reflects high standards of performance in the study of fields of Washington State History, World and US History, AP Government, and Civics. The focus of the Social Studies Department is to provide students with an appreciation of the rich diversity in human history and to recognize the influence of past cultures on the present. Consequently, students will understand the basic chronology of human history, and students will develop analytical skills necessary to make critical insights into events and individuals that shaped historical events at the conclusion of each course. The curriculum provides an opportunity for understanding the political, social, economic, cultural, geographic and religious developments in human history. Students will develop critical and analytical skills from textbook readings, writing essays and research papers, and make presentations using Microsoft Office.

### Requirements and Pathways:

Students must pass three years of Social Studies to successfully complete the graduation requirements of Pope John Paul II High School, and many four-year college admission requirements. In order to meet the needs of all students, JP II HS offers three pathways for students to achieve success in Social Studies. While following a specific course pathway is the standard, movement is possible based upon student needs and teacher recommendation and/or approval. Students struggling with Social Studies may be required to attend extra assistance programs either as an elective or on a regular basis before or after school with the consent of the teacher. Each course has the prerequisite of a C- or higher completion of the previous class.

	Emerging Scholars	College Prep	Honors College Prep
9 <sup>th</sup>	Big History	Big History	Big History
10 <sup>th</sup>	Modern World History	Modern World History	Honors Modern World History (targeting AP exam)
11 <sup>th</sup>	US History	US History	AP US History
12 <sup>th</sup>	Government/Civics  Elective	(Honors) Government/Civics  Economics	(Honors) Government/Civics  (Honors) Government/Civics (Independent Study in preparation for the AP Test)

### Washington State History 0.5 credit/one semester

*This is a required graduation course for out-of-state transfer students taken in an independent on-line study format.* In Washington State History, students will learn the history of the Pacific Northwest from the frontier to present times, emphasizing Washington State. Topics include structure and function of Washington state and local government, physical and cultural, and economical features of the State of Washington.

## **Big History Project** 0.5 credit/one semester

Big History is a one semester freshman level course designed to help students explore some big questions. Where did everything come from? How did we get to where we are now? Where do humans fit in? Where are things heading? These are questions that origin stories of different cultures have addressed for thousands of years. Big History attempts to answer them by examining the entire past of the Universe using the best available ideas from disciplines such as astronomy, chemistry, biology, and history. Throughout the course you will explore different scales of time and space and view human history from new angles. You'll learn what we know and what we don't, consider our place in the Universe, and develop your own ideas for what the future may hold.

## **Modern World History** 1 credit/two semesters

*Prerequisites: Ancient World History.*

Modern World History is a sophomore course designed to allow students to explore the breadth of human history from 1450 AD to modern times of global interdependence. This course will emphasize geography, history and human culture of different parts of the world over recorded time. Students will compare and contrast cultural traditions and practices that make people unique and exhibit shared human values. Students will be required to write a major analytical paper.

## **Honors Modern World History**

1 credit/two semesters

*Prerequisites: B+ or better in Ancient World History and teacher recommendation.*

Honors Modern World History is designed to allow students to explore the breadth of human history from 1450 AD to modern times of global interdependence with the depth that will allow students to take the AP World History test in May. This course will emphasize geography, history and human culture of different parts of the world over recorded time. Students will compare and contrast cultural traditions and practices that make people

unique and exhibit shared human values. Honors World History students will develop an understanding of the historical events in a global context relying on college level textbooks, primary source documents and outside readings. Subjects included are social, political, economic, geographic, technological and cultural interactions between the Americas, Africa, Asia and Europe. Students are expected to participate, and present, research projects using technology. Students are expected to participate in after school test preparation sessions for the AP World History exam and complete a major analytical paper.

## **US History** 1 credit/two semesters

*Prerequisites: World History.*

US History is a course designed for juniors to discover and appreciate the major events in the development of the United States from its formation to present day as a world leader. Topics included the history of Native Americans, colonization, Revolution, creation of a nation, Civil War, economic growth, World Wars and contemporary issues. Students will study the political, social and economic change in a chronological framework. Students will conduct several research topics in US history.

## **AP US History** 1 credit/two semesters

*Prerequisites: AP World History or B+ or better in World History and teacher recommendation.*

Students will study AP US History as described above in US History with additional and more detailed study in the following areas: Pre-Columbian societies, transatlantic encounters and Colonial beginnings, the early Republic and expansion, Manifest Destiny, reconstruction, emergence of America as a world power and the Cold and Vietnam Wars. This course is designed to prepare a student for AP US History exam. *Starting with the 2019 – 2020 school year, registration for AP exams will take place in the fall for the May exam.*

**Government/Civics** 0.5 credit/one semester

*Prerequisites: none*

American government and civics is a senior course that studies the complex political life of the United States, including an in-depth look at the framework established by the Constitution, creation and protection of civil rights, and the separation and balance of government powers as well as civic laws and responsibilities. Knowledge of the United States' government, law, and politics will allow students to make informed decisions about local, national and international issues, and to demonstrate thoughtful and participatory citizenship.

**Honors Government/Civics** 1 credit/two semesters

*Prerequisites: Teacher recommendation.*

Students will study American Government as described above with additional and more detailed study in the following areas: Constitutional underpinnings, democratic theories, political beliefs and behaviors, political parties, interest groups, mass media, and public policy. This course is designed to help prepare a student for the AP Government and Politics exam. Students interested in taking the AP exam will be registered for a second semester course of Independent Study Honors Government. This additional course is designed as a self-paced study course to include comparative government systems and the use of released AP exams as practice in preparation for the May AP exam. The independent study course ends after the May test date.

**Economics** 0.5 credit/one semester

*Prerequisites: Teacher recommendation.*

Economics is a course designed for seniors to develop an understanding and appreciation for the economics. Topics will include the basic principles of economics as well as practical business, labor and money knowledge. Emphasis is placed on the role of markets, banking, supply and demand, competition, and the role of government in the economy.

## STUDENT ASSISTANTS

**Philosophy:** Students assistants are often an integral part of an educational system. Students carry out important tasks by serving the greater school community in these roles.

### Requirements and Pathways:

Students are not required to be a student assistant; however, all students are required to pass at least 1.5 elective credits.

#### **Office Assistant** 0.5 credit/one semester

*Prerequisite: 10<sup>th</sup> grade responsible and self-motivated individuals*

Office aides serve Pope John Paul II High School by carrying out important tasks such as assisting with clerical work, posting and delivering messages, collecting attendance slips, etc. Students receive a pass/fail grade.

#### **Teacher Assistant (TA)** 0.5 credit/one semester

*Prerequisite: 10<sup>th</sup> grade responsible and self-motivated individuals with the approval of the teacher/staff member.*

Teacher assistants serve Pope John Paul II High School by assisting an individual teacher or staff member with clerical work. Students receive a pass/fail grade.

#### **Academic Tutor** 0.5 credit/one semester

*Prerequisite: Advanced skills in the area in which they will tutor others, teacher recommendation, application and approval.*

Students will tutor individuals as well as small groups of students who have an assigned study hall course. The student tutors will practice the skills they have learned, thereby strengthening their own understanding of the concepts and skills. They will have opportunities to perform some of the duties of a teacher. This will provide them with the experiences that will help in making a decision about pursuing a career in teaching. The academic tutor will be under the direction and supervision of the classroom teacher. Students receive a pass/fail grade.

#### **Technology Assistant** 1.0 credit/two semesters

*Prerequisite: 10<sup>th</sup> grade responsible and self-motivated individuals with proven technology troubleshooting skills with the approval of the teacher/staff member.*

Teacher assistants serve Pope John Paul II High School by assisting an individual teacher or staff member with technical work on student and staff computers under the direct supervision of the technology director. Students receive a pass/fail grade.

## ELECTIVE Choices

**Philosophy:** The diversity of our student population and the availability of personal technology allow us to offer a wide variety of elective classes through both in-person and on-line elective choices.

### Requirements and Pathways:

Students are required to pass at least 1.5 elective credits.

### In-Person Elective Choices

See departmental descriptions in this curriculum guide for descriptions of these courses. Not all in-person elective courses are offered every year.

Yearbook

Choir

Jazz Band

Art I & II

Art III & IV

Student Assistants

Study Hall

Marine Biology

The Marine Environment

Intro to Flight and Aircraft Systems

The Flying Environment (Prepare for Pilot's License)

### On-Line Elective Choices

On-line elective courses have a \$30 per semester administrative fee. Parents must promptly complete the required additional paperwork to enroll students in on-line courses. \*Some courses require specific course materials to be purchased.

## English/Language Arts

### Great Speeches, Debates, Essays Credits: 0.5

In this course students will not only learn about historical pieces of literature and oratory, (including Churchill, Kennedy & ML King) but will also examine their use of language, how messages are communicated and delivered for the desired effect. By the end of this course, students will understand how to analyze and respond to speeches, debates and essays, how to write clear arguments and counterarguments and deliver with emotion and command of the English language.

### Creative Writing (11<sup>th</sup>/12<sup>th</sup> grade) Credits: 0.5

Writing begins with excellent reading skills. In this course, students will begin with essential reading skills that will help them to understand and identify literary themes and how to analyze literature with evidence. After mastering skills such as character development, structural choices and point of view, students will review foundational American literature from the Colonial Period through the Modern Period. From there, students will build their essential writing skills and learn how to write convincing, evidence-supported arguments and narratives. They will hone their research and writing process, as well as learn about the latest options available in writing technology and tools. Students will explore how to utilize speaking and listening to become more effective writers and how to use digital media to present their work.

### **Gothic Literature: Monster Stories** Credits: 0.5

From vampires to ghosts, these frightening stories have influenced fiction writers since the 18th century. This course will focus on the major themes found in Gothic literature and demonstrate how the core writing drivers produce, for the reader, a thrilling psychological environment. Terror versus horror, the influence of the supernatural, and descriptions of the difference between good and evil are just a few of the themes presented. By the time students have completed this course, they will have gained an understanding of and an appreciation for the complex nature of dark fiction.

### **Mythology and Folklore** Credits: 0.5

Mighty heroes! Angry gods and goddesses! Cunning animals! Mythology and folklore have been used since the first people gathered around the fire as a way to make sense of humankind and our world. This course focuses on the many myths and legends woven into cultures around the world. Starting with an overview of mythology and the many kinds of folklore, the student will journey with ancient heroes as they slay dragons and outwit the gods, follow fearless warrior women into battle and watch as clever animals outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore, and see how they are still used to shape society today.

### **Journalism I & II** Credits: 0.5 each

Are you a storyteller at heart? Are you always the first one to know what's going on at school or in your town and excited to share the latest breaking news? If so, you are the kind of person every online, print, and broadcast news outlet is searching, and Journalism Semester 1: Introduction is the perfect course for you! Explore the history of journalism and see how social media and the digital world has changed the way news media operates. Learn the basics of press law as well as the code of ethics journalists should follow. Finally, understand how to make your writing and speaking more powerful, and

discover the importance of pictures and images when telling a story.

### **Public Speaking I & II** Credits: 0.5 each

Does the thought of speaking in front of people makes you break out in hives? Maybe you want tips on how to make that first great impression? In both cases, Public Speaking Semester 1: Introduction may be just what you need. In this course, you will learn from famous orators, like Aristotle and Cicero, understand the influence of rhetoric, and discover how to recognize bias, prejudice, and propaganda. You will also learn how to plan a speech, build an argument, and communicate effectively, while collaborating with others. Grab your notes and get ready to conquer public speaking!

## **Science**

### **Earth, Space & Environmental Science** (LAB/Materials Required) Credits: 0.5

This course introduces the student to the history of earth, earth's formation and life cycle of stars. Students learn about formation of continental & ocean-floor features, earth's interior and earth's feedback systems. They study about the importance of water and the co-evolution of earth's systems and life on earth. The course teaches students about modeling flow of energy in earth's systems & earth's climate. It emphasizes the importance of managing earth's resources and students get an appreciation of earth's influence on human activity including natural hazards. The true cost of fossil fuels, the perils of energy production and alternate forms of energy are discussed. Students study & analyze several case studies related to energy production and alternate forms of energy.

## **Anatomy & Physiology I & II** Credits: 0.5 each

Increase your understanding about the form and function of the human body! Starting with the relationship between anatomy and physiology, you will then learn about cell structure and their processes. Discover the functions and purposes of the skeletal, muscular, nervous, and cardiovascular systems as well as diseases that affect those systems. Becoming familiar with the terminology of the human body is essential to those pursuing health sciences or wanting to gain a greater sense of how the human body works. Students will learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and the endocrine systems. The reproductive system is also discussed along with hereditary traits and genetics. Finally, students will explore the importance of accurate patient documentation as well as technology used in the industry.

## **Astronomy I & II** Credits: 0.5 each

Follow your enthusiasm for space by introducing yourself to the study of astronomy. This course will include topics such as astronomy's history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Further knowledge is gained through the study of galaxies, stars, and the origin of the universe.

## **Social Studies**

### **Contemporary World Problems** Credits: 0.5

Contemporary World Problems analyzes and evaluates various aspects of world issues from the viewpoint of economics, government and citizenship. This course examines the responsibilities of citizenship; and, how citizens have historically worked to initiate changes in government. The course addresses and analyzes the economic effects and impacts of differing economic systems around

the world. Topics covered include international migration, the ethics of technology and the environmental and cultural factors influencing change in the world today.

### **History of the Holocaust** Credits: 0.5

Holocaust education requires a comprehensive study of not only times, dates, and places, but also the motivation and ideology that allowed these events. In this course, students will study the history of anti-Semitism; the rise of the Nazi party; and the Holocaust, from its beginnings through liberation and the aftermath of the tragedy. The study of the Holocaust is a multi-disciplinary one, integrating world history, geography, American history, and civics. Through this in-depth, semester-long study of the Holocaust, high school students will gain an understanding of the ramifications of prejudice and indifference, the potential for government-supported terror, and they will get glimpses of kindness and humanity in the worst of times.

### **Anthropology/Uncovering Human Mysteries** Credits: 0.5

The aim of anthropology is to use a broad approach to gain an understanding of our past, present, future and address the problems humans face in biological, social and cultural life. This course will explore the evolution, similarity and diversity of humankind through time. It will look at how we have evolved from a biologically and culturally weak species to one that has the ability to cause catastrophic change. Exciting online video journeys to different areas of the world will also be presented in the course.

## Washington State History

Credits: 0.5

The Washington State History course covers the early history of the state through its development to the present day. The course tracks the history of the state by featuring the interplay of people, environment, geography, economics, and government throughout the years. This course is a requirement for all out-of-state transfer students.

## Human Geography (12<sup>th</sup> grade)

Credits: 0.5

Human Geography is the study of humankind's understanding of, interaction with, and effects on the Earth. The topic of human geography combines elements of various fields of study, including: geography, social studies, history, economics and political science. It utilizes the methods and tools of geographers. In this course, students learn about various concepts related to geography including maps and terminology. They study about population and demographics and the impact of culture & politics on humans. They will also understand the effects of urbanization and its impact on humankind.

## Philosophy

Credits: 0.5

This course will take you on an exciting adventure that covers more than 2500 years. Along the way, you'll run into some very strange characters. For example, you'll read about a man who hung out on street corners, barefoot and dirty, pestering everyone he met with questions. You'll read about another man who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the most brilliant and influential thinkers of all time. As you read about them, you'll see where many of the most fundamental ideas of Western civilization came from. You'll also get a chance to ask yourself some of the same questions these great thinkers pondered. At the end, you'll have a better understanding of yourself and the world around you, from atoms to outer space and everything in between.

## Sociology I & II

Credits: 0.5 each

The world is becoming more complex. How do your beliefs, values and behavior affect the people around you and the world we live in? In this increasingly connected world, students will examine problems in our society and learn how human relationships can influence the life of the student. Exciting online video journeys to different areas of the sociological world are also presented in the course.

## Arts/Music

### Exploring Art in World Cultures

Credits: 0.5

This course covers art from several periods and regions all over the world. Students learn about the beauty of prehistoric art which includes cave paintings, megaliths and sculptures. The period of western art from the ancient Romans to the medieval period produced some incredible art and architecture. In this course, you will also study about the ancient Roman, Early Christian and medieval art. The course also dwells on the spectacular art produced in the Spanish world as well as Asia. When you complete this course, you will have a good understanding and appreciation for art from different parts of the world.

### Music in World Cultures

Credits: 0.5

The Music in World Cultures Course examines music throughout the ages and from around the world. The course helps you to get a better understanding of various cultures, providing you with a diverse overview of the music created in those cultures. It also covers the benefits of music, careers, ancient music, and music in the Middle Ages. Other lessons within the course cover Europe's Renaissance, Baroque, Western Classical, and Romantic Music, as well as music from Canada, South America, Australia, Oceania, and Asia. The course even delves into modern music and how it pertains to society today. The goal of the course is to provide you with a good and well-rounded knowledge of music from the earliest times to the modern day.

## Theater, Film, Cinema Production I & II

Credits: 0.5 each

Lights! Camera! Action! This course will introduce students to the basics of film and theater productions. Students will learn about the basics of lighting, sound, wardrobe, and camerawork for both film and theater settings. The course also explores the history of film and theater and the influence that they have had on society. Students will analyze and critique three influential American films. In this semester, you will learn film history and film theory, what theater is, what its purposes can be, and a bit of theater's history, lighting, how lenses and filters are used to create the types of shots that directors seek, how the camera's position and movement can be manipulated to make a movie more engaging and aesthetically enjoyable, sound in both film and theater, and wardrobe and makeup in both film and theater.

## Engineering & Compute Courses

### Concepts of Engineering and Technology

Credits: 0.5

Each day, we are surrounded by technology and engineering projects. From our phones to the bridges we drive over, engineering and technology influence many parts of our lives. In Concepts of Engineering and Technology, you will learn more about engineering and technology careers and what skills and knowledge you'll need to succeed in these fields. You'll explore innovative and cutting-edge projects that are changing the world we live in and examine the design and prototype development process. Concepts of Engineering and Technology will also help you understand the emerging issues in this exciting career field.

### Digital Photography I & II

Credits: 0.5 each

Have you wondered how professional photographers manage to capture that perfect image? Gain a better understanding of photography by exploring camera functions and the elements of composition while putting theory into practice by

taking your own spectacular shots! Learn how to display your work for exhibitions and develop skills important for a career as a photographer. Building on the prior prerequisite course, further develop your photography skills by learning more professional tips, tricks, and techniques to elevate your images. Explore various photographic styles, themes, genres, and artistic approaches. Learn more about photojournalism and how to bring your photos to life. Using this knowledge, build a portfolio of your work to pursue a career in this field!

### Game Design

Credits: 0.5

Are you a gamer? Do you enjoy playing video games or coding? Does the idea of creating and designing your own virtual world excite you? If so, this is the course for you! Tap into your creative and technical skills as you learn about the many aspects involved with designing video games. You will learn about video game software and hardware, various gaming platforms, necessary technical skills, troubleshooting and internet safety techniques, and even the history of gaming. And to top it all off, you'll even have the opportunity to create your very own plan for a 2D video game! Turn your hobby into a potential career and go from simply being a player in a virtual world to actually creating one!

### Animation I & II

Credits: 0.5 each

Are you inherently creative? Do you have an eye for drawing, technology, and timing? If so, 2D Animation is the course for you! 2D animation creates movement in a two-dimensional artistic space. And in this course, you will learn the necessary skills to do just that. 2D Animation will give you the tools to conceptualize and bring your animation dreams to life! Using a variety of software and design programs, you'll have the power to transform your creative notions into reality! Design, define, and complete a variety of digital design projects including creating your own website!

## Cybersecurity I & II

Credits: 0.5 each

We depend more and more on the technologies we interact with every day, and we put more and more of our personal data out there online. Can all of that data really be kept “secret”? We all need to know more about how to protect our personal information, especially given how much we rely on and use our network devices and media. You’ll learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. You’ll also dive into the tools, technologies, and methods that will help protect you from an attack and discover the many opportunities in the rapidly growing field of cybersecurity.

## Coding I & II

Credits: 0.5 each

Have you ever wondered how your favorite webpages or apps function? Learn about the influence of computers on our daily life, the purpose of programming languages, and how computers function. Experiment with Python to explore algorithms, syntax, and data structures while putting the software development cycle into practice by starting to plan and develop your own app in the Capstone Project. Discover the potential of a career in this field!

## Career & Technical Education

### Careers in Research

Credits: 0.5

This course helps you understand the meaning, significance and objectives of research. The different types of research and the qualities of good research are described. The student acquires the knowledge and skills necessary to understand the principles and requirements of scientific method. Student gets a brief introduction to copyright laws, plagiarism and ethical issues in research. This course evaluates the various careers available in the field of Research and the associated remuneration.

## Criminology

Credits: 0.5

From the nightly news to personal experiences with victimization, crime seems to be all around us and is a top concern of society members. In this course, we will explore the field of criminology or the study of crime. In doing so, we will look at possible explanations for crime from psychological, biological, and sociological standpoints, explore the various types of crime and their consequences for society, and investigate how crime and criminals are handled by the criminal justice system. Why do some individuals commit crimes but others don’t? What aspects in our culture and society promote crime and deviance? Why do individuals receive different punishments for the same crime? What factors shape the criminal case process, from arrest to punishments?

## Forensic Science

Credits: 0.5

Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed.

### **Personal and Family Finance** Credits: 0.5

How do our personal financial habits affect our financial future? How can we make smart decisions with our money in the areas of saving, spending, and investing? This course introduces students to basic financial habits such as setting financial goals, budgeting, and creating financial plans. Students will learn more about topics such as taxation, financial institutions, credit, and money management. The course also addresses how occupations and educational choices can influence personal financial planning, and how individuals can protect themselves from identity theft.

### **Nutrition and Wellness** Credits: 0.5

Learn how to fuel your body, maintain your emotional and physical health, and find your way around the grocery store and kitchen in Nutrition and Wellness. This course prepares you for a healthy life and provides you with the essential skills you need to plan and make healthy and delicious meals for you, your family, and your friends. You'll learn how to budget for your meals, shop for groceries, and fit cooking into a busy schedule of school, work, and other responsibilities.

### **Careers in Culinary Arts I & II** Credits: 0.5 each

Food is fundamental to life. Not only does it feed our bodies, but it's often the centerpiece for family gatherings and social functions with friends. In this course, you will learn all about food including food culture, food history, food safety, and current food trends. You'll also learn about the food service industry and try your hand at preparing some culinary delights. Through hands-on activities and in-depth study of the culinary arts field, this course will help you hone your cooking skills and give you the opportunity to explore careers in this exciting industry.

### **Forestry and Natural Resources** Credits: 0.5

Forests and other natural resources play an important role in our world, from providing lumber and paper products to providing habitat for birds and animals. In the Introduction to Forestry and Natural Resources course, you'll learn more about forest ecology, management, and conservation. You'll explore topics such as environmental policy, land use, water resources, and wildlife management. Finally, you'll learn more about forestry related careers and important issues facing forestry professionals today.

### **Renewable Technologies** Credits: 0.5

Interested in transforming energy? With concerns about climate change and growing populations' effects on traditional energy supplies, scientists, governments, and societies are increasingly turning to renewable and innovative energy sources. In the Introduction to Renewable Technologies course, you'll learn all about the cutting-edge field of renewable energy and the exciting new technologies that are making it possible. You'll explore new ways of generating energy and storing that energy, from biofuels to high-capacity batteries and smart electrical grids. You'll also learn more about the environmental and social effects of renewable technologies and examine how people's energy decisions impact policies.

### **Sports Officiating** Credits: 0.5

In this course, students will learn the rules, game play, and guidelines for a variety of sports, including soccer, baseball, softball, basketball, volleyball, football, and tennis. In addition, they will learn the officiating calls and hand signals for each sport, as well as the role a sport official plays in maintaining fair play.

## **Nursing I & II**

Credits: 0.5 each

Nursing is an in-demand career, perfect for someone looking for a rewarding and challenging vocation in the healthcare sector. With a strong focus on patient care, a nurse must be skilled in communication, promoting wellness, and understanding safety in the workplace. In Health Science: Nursing, you will explore communication and ethics, anatomy and physiology, and the practice of nursing. Learn how to build relationships with individuals, families, and communities and how to develop wellness strategies for your patients. From emergency to rehabilitative care to advances and challenges in the healthcare industry, discover how you can launch a fulfilling career providing care to others.

## **Peer Counseling**

Credits: 0.5

Helping people achieve their goals is one of the most rewarding of human experiences. Peer counselors help individuals reach their goals by offering them support, encouragement, and resource information. This course explains the role of a peer counselor, teaches the observation, listening, and emphatic communication skills that counselors need, and provides basic training in conflict resolution, and group leadership. Not only will this course prepare you for working as a peer counselor, but the skills taught will enhance your ability to communicate effectively in your personal and work relationships.

## **Law and Order: Intro to Legal Studies** Credits: 0.5

Imagine if there were no laws and people could do anything they wanted. It's safe to say the world would be a pretty chaotic place! Every society needs some form of regulation to ensure peace in our daily lives and in the broader areas of business, family disputes, traffic violations, and the protection of children. Laws are essential to preserving our way of life and must be established and upheld in everyone's best interest. In Law and Order: Introduction to Legal Studies, you'll delve deeper into the importance of laws and consider how their application affects us as individuals and communities. Through understanding the court

system and how laws are actually enacted, you will learn to appreciate the larger legal process and how it safeguards us all.

## **Veterinary Science: The Care of Animals**

Credits: 0.5

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times...we humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied.

## **National Security**

Credits: 0.5

Do you know what it takes to keep an entire nation safe? Not only does this effort require knowledge on how to handle disasters, but it demands a cool head and tremendous leadership abilities. In National Security, you will have the opportunity to learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats. Put yourself in the position of the country's decisive leaders and develop your own knowledge base and skill set necessary to meet the requirements of our nation's most demanding career.

## **Business Management**

Credits: 0.5

Management is the cornerstone of any successful organization. No business or company can expect to reach its stated goals unless those running the entity are skilled in managing others. In this course, our goal is to show students how to master every fundamental aspect of management. Topics include: Entrepreneurship; Business Basics; Resource Allocation; Organizational Structure and Management Techniques; Economics; Financial Data; Risk Management Strategies; Information Technology; Supply Chain Management.

## **Biotechnology**

Credits: 0.5

How is technology changing the way we live? Is it possible nature can provide all the answers to some of science's most pressing concerns? In Biotechnology 1a: Introduction, you'll learn the basics of biotechnology and evolutionary theory, explore the various ways we store and preserve food, and discover the process of fermentation and microbiology. This course will also cover the importance of breeding plants and hybridization and how early breeding programs led to the study of genetics and an understanding of the function of genes. Finally, you'll delve into early industrial discoveries and explore the developments in biotechnology during the industrial revolution.