

PROGRAM OF STUDY GUIDE

2021-22



Villa Angela-St. Joseph

HIGH SCHOOL

Faith. Family. Future.

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HOW TO USE THIS BOOKLET

The Program of Studies Guide includes important information regarding the course selection process as well as academic requirements and recommendations. It is updated annually to catalog available course selections for the upcoming academic year.

Students and parents should thoroughly review this resource to discuss and plan course selections for the upcoming year. Equal consideration should be given to graduation requirements as well as the student's future plans for college/career. Personal strengths and weaknesses should also be taken into account in order to select a balanced schedule. Ideally, course selections should be academically challenging without overloading the student and damaging a profile of "overall academic strength" (cumulative GPA)

Villa Angela - St. Joseph High School is a Catholic, comprehensive, coeducational school committed to high academic achievement and the development of student gifts. Rooted in Ursuline and Marianist traditions of education, service, justice and diversity, Villa Angela - St. Joseph High School strives to bring each student to a deeper commitment to Jesus Christ and Gospel values.

CORE VALUES OF MARIANIST EDUCATION

Educate for faith formation
Provide an integral and quality education
Educate in a family spirit
Educate for service, justice and peace
Educate for adaptation and change



CORE VALUES IN URSULINE EDUCATION

Spirituality
Academic excellence
Emphasis on the individual
Women as leaders
Community and bondedness
Service consciousness
Embracing change

- AT A GLANCE -

Scheduling Changes in 2021-2022

SCHEDULING TIMELINE (TENTATIVE)

January 2021	<ul style="list-style-type: none">- Program of Studies published- Student overview of course selection process- Individual student scheduling begins- College Credit Plus parent meeting
February	<ul style="list-style-type: none">- Individual student scheduling continues
March/April	<ul style="list-style-type: none">- Course selections finalized- Student selections posted on PowerSchool for review/confirmation
April	<ul style="list-style-type: none">- Course selections locked down
May-July	<ul style="list-style-type: none">- Master schedule built
August	<ul style="list-style-type: none">- Student schedule release- Drop-in scheduling appointments
Sept	<ul style="list-style-type: none">- Schedule change final deadline

**NOTE: VASJ reserves the right to cancel courses based on insufficient enrollment or lack of teacher availability. Should it become necessary to eliminate an elective course, an alternate selection will be added.*

ADDING/DROPPING COURSES

- No course changes after 1 full week into the new term

COURSE CHANGES / UPDATES

- New courses:
 - Music Ministry
 - Music & Performing Arts
 - French 4
- Returning courses:
 - Culinary Arts,
 - 20th Century America
 - History and Sports
 - Intro to Robotics/Basic Robotics with Math (Tri-C CCP)
 - SingleBoard Computers & Applications/Unmanned Aerial Vehicles-Drones (Tri-C CCP)
 - Scaminese Character/Leadership Course
 - Service Learning – Tutoring
 - Portfolio
- ACT Prep will be a *scheduled* year-long asynchronous course
- Change in art course fees



Program of Studies -At a Glance- 2020-2021

VASJ ACADEMIC PROGRAMS

College Preparatory Program
Honors Program
Advanced Placement Program
College Credit Plus

SPECIAL EDUCATION

Our Special Education Department works with students on the Jon Peterson Scholarship or Autism Scholarship who have special learning needs. Their instruction is directed by their individualized education plan (IEP) goals and objectives as well as their ability level. We aim to maintain college preparatory standards in reading, writing, speaking, listening, language and mathematics however modified math and modified English courses are available to qualified students, per their IEP. These courses are taught by an Intervention Specialist in a resource room.

Students are also scheduled for a Supported Study, which is a scheduled period in which the students work on classroom assignments directly with a teacher and/or Intervention Specialist. This specialized study hall provides students with the added bonus of a small student to teacher ratio where assistance is provided in managing the student's high school workload while encouraging independence and confidence. This support system provides guidance for essay writing, homework completion, assignment planning, studying, organization and life skills and ensures the students are being fully accommodated in their classes including (but not limited to) the following:

- Social Skills group
- Small group instruction and testing
- Limited distractions
- Read-aloud/Audiobooks
- Supplemental materials
- Assignment planners
- Extended time
- Chunked assignments
- Headphones or noise-cancelling headset
- Preferential seating
- Chromebooks and applications
- Visual aids and models
- Hands-on manipulatives
- Video instructions, models and examples
- Graphic organizers and proofreading tools

GRADUATION REQUIREMENTS

Definitions of Important Terms

- **Credits:** Credits are the means by which schools measure a student's progress toward a diploma or degree. The number of credits assigned to a course depends, in part, on how much time is spent in class each week.
 - **Required Course:** A Required Course is one that must be successfully completed to satisfy Ohio Department of Education requirements for a high school diploma.
 - **Elective Course:** An elective course is any course other than the defined required courses; electives are chosen to complete a student's program after the required subjects are selected. A student may elect any course if he/she has met the specified prerequisites. Electives enrich one's background and offer experience in areas of special talent.
 - **Alternate Course:** An alternate course is an elective course selected as a "backup" to the elective course selections in the event that an elective course is cancelled or cannot be accommodated in the student schedule.
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CREDIT REQUIREMENTS FOR GRADUATION

Requirements for graduation from VASJ include successful completion of the following:

Religion	4 credits
English	4 credits
Mathematics	4 credits
Social Studies	3 credits
Science	3 credits
Fine Arts	1 credit
Physical Education	1/2 credit
Health	1/2 credit
Digital Skills (Google Apps)	1/2 credit
ACT Prep	1/2 credit
<u>Electives</u>	<u>5 credits</u>
Total	26 credits*

- Students must earn a minimum of 26 credits to graduate from VASJ
- Service and retreat requirements must be completed prior to graduation
- Previous years' Religion credits will be waived for public school transfer students
- Students may not earn credit for the same course twice
- Credit for courses taken prior to a student's freshman year are added to the VASJ transcript only if they appear on a (public) high school transcript
- No early graduation. Other than the transfer of credits from a previous high school, VASJ students are required to earn credits from courses offered at Villa Angela-St. Joseph High School.

Academic Honors Diploma

A special high school diploma awarded by the State of Ohio for high academic achievement. This diploma may qualify the student for special college scholarships.

Students must meet a minimum of 7 of the 8 following requirements:

English	4 credits
Mathematics	4 credits*
Science	4 credits*
Social Studies	4 credits
Foreign Language	3 credits*
Fine Arts	1 credit
GPA	3.5 or higher
ACT/SAT	ACT: 27 or higher/SAT 1280 or higher

**Specific criteria apply; consult with a guidance counselor for complete information.*

VASJ Honors Diploma

English	4 credits
Mathematics	4 credits
Science or Social Studies	4 credits
Foreign Language	3 credits (same language) or 2 credits each of two different languages
Fine Arts	1.5 credit
Cumulative GPA	3.8 or higher

TESTING REQUIREMENTS FOR GRADUATION:

Please refer to the Ohio Department of Education website for the most current information, as these are frequently revised:

<http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements>

Please note that as a private Diocesan school, various rules/options available to public school students may not be applicable. Contact the Guidance department with any questions.



GRADE REPORTING

Report cards are issued four times a year, following each academic quarter. These are delivered electronically and are securely password-protected. Course credit is awarded at the semester only. A low grade alert (current letter grade of D- or F) is sent out to parents and students halfway through the quarter and approximately one week prior to the end of the quarter. This is in addition to the ability to access grades and student progress 24/7 through our online Student Information System (Powerschool).

GRADING SCALE

****Note: Honors/AP/CCP courses include additional weighting of 0.5 quality points***

Letter Grade	Quality Points	Honors/ Ap/CCP Quality Points
A+	4.3	4.8
A	4.0	4.5
A-	3.6	4.1
B+	3.3	3.8
B	3.0	3.5
B-	2.6	3.1
C+	2.3	2.8
C	2.0	2.5
C-	1.6	2.1
D+	1.3	1.8
D	1.0	1.5
D-	0.6	1.1
F	0.0	0.0

ACADEMIC HONORS

The honor roll is calculated each academic quarter, after grades have been resolved. Honor roll students are recognized with a certificate of achievement

FIRST HONORS

Quarter GPA of 3.8 and above

SECOND HONORS

Quarter GPA of 3.3 and above

INCOMPLETE/UNDECIDED (UNRESOLVED)

A grade of "I" (incomplete) on a report card indicates that the marking period grade cannot be computed because academic work is incomplete secondary to extenuating circumstances. This temporary mark will be resolved as soon as possible but no later than the next grading period.

A grade of "U" (undecided) may be given for a Semester 1 grade only. This signifies that the student received a borderline failing grade. If a passing grade is achieved the following semester, the "U" will be changed to a D- (passing grade). However, should the student also fail Semester 2, the "U" will be changed to an F (failing grade).

HONORS / ADVANCED PLACEMENT (AP) COURSES and COLLEGE CREDIT PLUS (CCP)

Honors courses are more extensive and follow a more rigorous pace than college preparatory courses. Consequently, honors course candidates are students who are currently achieving a letter grade of B or higher in that subject area.

Advanced placement (AP) courses are designed for the college-bound student who demonstrates the ability to successfully meet the more rigorous expectations of an accelerated classroom setting. AP classes utilize college textbooks since they are college level courses. Students are required to enroll in the AP exams administered in the spring (current fee \$95). Credit or advanced standing *may* be offered at the college level based on the AP test score. Students who qualify for AP course selection have previously achieved (or are currently achieving) a letter grade of B or higher in *any* honors course.

College Credit Plus is a program through which students take college-level courses, eligible for both high school and college credit. Students must meet eligibility criteria for acceptance to the college to which they apply. Families must attend the CCP informational meeting at VASJ (typically in January). Strict deadlines apply. Consult the Guidance department or get more information at <https://www.ohiohighered.org/ccp/students-families>.

Honors, AP and CCP courses are weighted on the grading scale.

STUDY HALLS

Study Hall -Students may have no more than one study hall period daily. Additional study halls are only permitted with administrative approval or for extenuating circumstances.

Directed Study -Recommended for all freshmen students. A teacher-guided study hall where academic assistance is provided to students as they complete assignments for core classes. Good study habits and organizational skills are reviewed including best practices in using Powerschool, accessing Gmail, Google Classroom, etc. Students receive a grade for participation.

Supported Study -Students work on assignments directly with a teacher and/or Intervention Specialist. Eligibility is determined by the Special Education department.

SUPPLEMENTAL SUPPORT PROGRAMS

Students with learning differences, such as those on Individualized Education Plans, may be eligible for modified core courses, including modified Math and English courses. These are reviewed by the Special Education department on a case-by-case basis.

SCHEDULING AND ACADEMIC ADVISEMENT TIMELINE

COURSE SELECTION PROCESS

1. A careful review of the student's academic abilities and overall progress is made. Placement recommendations are made for required (core) courses.
2. The Program of Study Guide should be thoroughly reviewed and course selections considered. In addition to fulfilling graduation requirements, selections should also be based on future plans for college/career. Careful consideration of personal strengths and weaknesses should be taken into account to select a balanced schedule which will be academically challenging without overloading the student and damaging a profile of "overall academic strength" (GPA).
3. Dialog between the parent and student is critical in this process. Course options should be discussed. School counselors are your best resource for questions and sound academic direction. VASJ counselors are always available via email. Personal appointments may also be scheduled. Walk-in requests cannot be accommodated due to the counselors' schedule constraints.
4. Guidance counselors will meet individually with students to assist them in the course selection process. Courses will be entered into the Powerschool student information system.
5. Families will be notified when the course selection process has been completed. Final selections will be available to review through Powerschool's "Class Registration" tab.
6. Selections are locked until the master schedule has been built. The selection process is complete.

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February	-Individual student scheduling/counseling continues
March/April	-Course selections finalized -Student selections posted on Powerschool for review/confirmation
April	-Course selections locked down
May-July	-Master schedule built
August	-Student schedule release -Drop-in scheduling appointments with counselors
Sept	-Final deadline for schedule changes

****VASJ reserves the right to cancel courses for insufficient enrollment or staffing changes.
Should it become necessary to eliminate an elective course, an alternate selection will be added.***

Schedule Release

- Student schedules are released in early August. Schedules are withheld from students who have outstanding obligations (academic, financial, or missing registration information).

- Once the student reviews their class schedule, options for any changes may be discussed at that time. This is referred to as “drop-in” scheduling which occurs concurrently with schedule release. Students can meet one-on-one with a member of the scheduling team to discuss any changes.

Adding / Dropping Classes

- No changes will be made after course selections are “locked down”. This date is typically in late March or early April. Students will still have the opportunity to review their active schedule in August, based on these selections. Because the master schedule and staffing requirements are gleaned from prospective class numbers, students and parents should carefully consider their course selections. Options for future changes could be severely limited.
- Should an elective course fill up or need to be eliminated at any point in the scheduling process, it will be replaced with one of the student’s alternate selections.
- Students may not request any electives or alternate electives not previously selected in the course request process. Certain course selections may cause a conflict in the student schedule or the course has filled to capacity, in which case the schedule cannot be changed. Schedules will not be changed to accommodate personal preference for a particular teacher, lunch period, study hall, etc.
- A member of the scheduling team will contact students individually if any late/unanticipated changes to the master schedule should occur which would affect their course selections. No penalties would be assessed.
- Any course change is subject to the approval of Administration and course availability. If granted, the current schedule will remain in effect until a \$60 course change fee has been remitted.
- *No schedule changes will be made after the first full week of classes* at the beginning of each semester. (Semester 2 changes should be discussed with the student’s counselor prior to Christmas break.)
- Voluntary withdrawals from a course within the academic year will result in a grade of “W/F”. The grade will calculate as an “F” in the semester GPA, negatively impacting both the semester and cumulative (overall) GPA.
- Administration may approve a schedule change in cases of extenuating circumstances. The decision to approve/deny the schedule change is final.

Level Changes

- VASJ’s academic team takes great care in considering student placement level in core courses. Deviation from these recommendations is *highly discouraged*. However, there are valid reasons a student may wish (or need) to reconsider a core course placement. These cases are examined on an individual basis. The student, parent and counselor will consort on a solution to best serve the student’s needs.
- Should the parent challenge our final placement level for the student, **an Academic Override Form must be submitted with a \$60 course change fee to the student’s guidance counselor.** This is *providing* the alternate course has availability. The course/course level will not be changed again for the duration of at least one semester.

GRADE LEVEL COURSE OFFERINGS

GRADUATION REQUIREMENTS	GRADE 9	GRADE 10	GRADE 11	GRADE 12
RELIGION 4 YEARS - REQUIRED	Religion 1	Religion 2	Religion 3	Religion 4
ENGLISH 4 YEARS - REQUIRED	-CP English 1 -Honors English 1 -Modified English 1 (SpecEd)	-CP English 2 -Honors English 2 -Modified English 2 (SpecEd)	-CP English 3 -Honors English 3 -Modified English 3 (SpecEd) -PreCalculus	-CP English 4 -Honors English 4 -Modified English 4 (SpecEd) -AP Lit & Comp
MATHEMATICS 4 YEARS - REQUIRED	-CP Algebra 1 -Honors Algebra 1 -Modified Algebra 1 (SpecEd)	-CP Geometry -Honors Geometry -Hon Geometry + Hon Algebra 2 -Modified Geometry (SpecEd)	-CP Algebra 2/Trig -Honors Alg2/ Trig -Modified Alg2/ Trig (SpecEd) -PreCalculus	-Mathematical Modeling/Reasoning -Modified MMR (SpecEd) -PreCalculus -Calculus 1 & 2 (CCP)
SOCIAL STUDIES 3 YEARS - REQUIRED	-CP World History -Honors World History	-CP US History -Honors US History -AP US History	-CP American Government -Honors American Government -AP Government & Politics	-Economics & Personal Finance *AP Government & Politics *AP US History
SCIENCE 3 YEARS - REQUIRED	-CP Physical Science -Honors Physical Science	-CP Biology -Honors Biology	-CP Chemistry -Honors Chemistry -Environmental Science	-CP Physics -Honors Physics -AP Biology
FINE ARTS 1 YEAR - REQUIRED	-Music and Performing Arts -2D Design	-One Music or Visual Arts Elective	-One Music or Visual Arts Elective	-One Music, Visual or Culinary Arts Elective
PHYS ED 0.5 CREDIT REQUIRED	---	-Physical Education	-Physical Education	-Physical Education
HEALTH 0.5 CREDIT REQUIRED	-Health	---	---	---
FOREIGN LANGUAGE 2 YEARS RECOMMENDED	-Spanish 1* -French 1* -Mandarin Chinese 1 *MUST SATISFY PREREQUISITES	-Spanish 1, 2 -French 1, 2 -Mandarin Chinese 1, 2	-Spanish 1, 2, 3 -French 1, 2, 3 -Mandarin Chinese 1, 2, 3	-Spanish 2, 3, 4 -French 2, 3 -Mandarin Chinese 2, 3
DIGITAL SKILLS 0.5 CREDIT REQUIRED	-Google Applications	---	---	---
ACT PREP 0.5 CREDIT REQUIRED	---	---	-ACT Prep	---
ELECTIVES 6 CREDITS REQUIRED	All freshmen will have one study hall; most will take a Fine Art course	-Typically a Foreign Language course and additional qualifying selections	-Any qualifying selections	-Unmet graduation requirements + any qualifying selections

COURSE CATALOG BY DEPARTMENT

* Denotes elective course

ENGLISH

GRAD REQUIREMENT: 4 CREDITS

- CP English 1
- Honors English 1
- Modified English 1
- CP English 2
- Honors English 2
- Modified English 2
- CP English 3
- Honors English 3
- Modified English 3
- CP English 4
- Honors English 4
- Modified English 4
- AP English Literature & Composition
- *Creative Writing

FINE ARTS

GRAD REQUIREMENT: 1 CREDIT

Culinary Arts

- *Culinary Arts

Dramatic/Musical Arts

- *Music and Performing Arts
- *Music Ministry
- *Piano and Music Theory

Visual Arts

- *2D Design
- *Digital Media
- *Advanced 2D Design
- *3D Design
- *Portfolio
- *AP Studio Art- Drawing
- *AP Studio Art- 2D
- *AP Studio Art- 3D

HEALTH/PHYSICAL EDUCATION

GRAD REQUIREMENT: 0.5 CREDIT HEALTH/ 0.5 CREDIT PHYSICAL EDUCATION

- Health
- *Physical Education
- *PhysEd Waiver (must qualify)

MATHEMATICS

GRAD REQUIREMENT: 4 CREDITS

- CP Algebra 1
- Honors Algebra 1
- Modified Algebra 1
- CP Geometry
- Honors Geometry
- Modified Geometry
- CP Algebra 2/Trigonometry
- Honors Algebra 2/Trigonometry
- Modified Algebra 2/Trigonometry
- Math Modeling & Reasoning
- Mod Math Modeling & Reasoning
- Precalculus
- Calculus 1 (CCP)/Calculus 2 (CCP)

RELIGION

GRAD REQUIREMENT: 4 CREDITS

- Religion 1
- Religion 2
- Religion 3
- Religion 4

SCIENCE

GRAD REQUIREMENT: 3 CREDITS

- CP Physical Science
- Honors Physical Science
- CP Biology/Lab
- Honors Biology/Lab
- CP Chemistry/Lab
- Honors Chemistry/Lab
- Environmental Science
- CP Physics
- Honors Physics/Lab
- AP Biology

SOCIAL STUDIES

GRAD REQUIREMENT: 3 CREDITS

- CP World History
- Honors World History
- CP US History
- Honors US History
- AP US History
- CP American Government
- Honors American Government
- Economics and Personal Finance
- AP Government & Politics
- *Psychology/Sociology
- *20th Century America/History and Sports

TECHNOLOGY

GRAD REQUIREMENT: 0.5 CREDIT

- Google Applications & Digital Skills
- *Intro to Computer Science/Game Programming
- *Intro to Robotics (CCP)
- *Basic Robotics with Math (CCP)
- *Single Board Computers & Applications (CCP)
- *Unmanned Aerial Vehicles (CCP)
- *AP Computer Science & Principles

WORLD LANGUAGES

- *French 1
- *French 2
- *French 3
- *French 4
- *Mandarin Chinese 1
- *Mandarin Chinese 2
- *Mandarin Chinese 3
- *Spanish 1
- *Spanish 2
- *Spanish 3
- *Spanish 4

MISCELLANEOUS

- ACT Prep and College Readiness
- *Scaminese Character/Leadership Course
- *Service Learning- Tutoring
- *College Credit Plus
- *Directed Studies
- *Study Hall
- *Supported Studies

COURSE DESCRIPTIONS

ENGLISH

CP ENGLISH 1

10 - FULL YEAR - 1 CREDIT

Prerequisite: None

This English course presents basic English skills for the high school student. Writing exercises focus on the development of well-written sentences, which use standard English grammar. Students then develop and write cohesive paragraphs to be expanded into a multi-paragraph essay in fourth quarter. Literature studies include mythology, the short story, the novel and drama. Vocabulary development is stressed in conjunction with both writing and literature activities.

HONORS ENGLISH 1

17 - FULL YEAR - 1 CREDIT

Prerequisite: Placement

The content of this course is outlined in CP English 1; this course will include both intensive and extensive study of that content. In addition to paragraph skills, students learn to apply the same writing process skills to an expanded essay during the last quarter. Students must be capable of independent learning.

MODIFIED ENGLISH 1

81 - FULL YEAR - 1 CREDIT

Prerequisite: SpecEd placement

This English course presents basic English skills for the high school student. Writing exercises focus on the development of well-written sentences, which use standard English grammar. Students then develop and write cohesive paragraphs to be expanded into a multi-paragraph essay in fourth quarter. Literature studies include mythology, the short story, the novel and drama. Vocabulary development is stressed in conjunction with both writing and literature activities. Additional modifications and accommodations are given in accordance with the student's IEP.

CP ENGLISH 2

20 - FULL YEAR - 1 CREDIT

Prerequisite: English 1

The CP English 2 course focuses on five areas of study. Students write multi-paragraph essays and a research paper while reinforcing the skills of well-written sentences. The novel and

drama are emphasized, and the study of nonfiction and poetry are introduced. Vocabulary development continues in conjunction with writing and literature activities. Students learn and practice the skills of public speaking.

HONORS ENGLISH 2

27 - FULL YEAR - 1 CREDIT

Prerequisite: See Honors criteria

The content of this course is outlined in CP English 2; this course will include both intensive and extensive study of the content. The focus of writing is on both literary analysis and creative assignments. Students must be capable of independent learning.

MODIFIED ENGLISH 2

82 - FULL YEAR - 1 CREDIT

Prerequisite: SpecEd placement

The CP English 2 course focuses on five areas of study. Students write multi-paragraph essays and a research paper while reinforcing the skills of well-written sentences. The novel and drama are emphasized, and the study of nonfiction and poetry are introduced. Vocabulary development continues in conjunction with writing and literature activities. Students learn and practice the skills of public speaking. Additional modifications and accommodations are given in accordance with the student's IEP.

CP ENGLISH 3

30 - FULL YEAR - 1 CREDIT

Prerequisite: English 2

This course is a survey of American literature and its historical significance. Students read, interpret, and analyze selections from each major period in the development of American literature. In preparation for college-level writing as well as standardized tests such as the SAT, students compose well-structured and properly developed essays. Students are also required to write a research paper during second semester. The process, format, and content of a good research paper are the major focus.

HONORS ENGLISH 3

37 - FULL YEAR - 1 CREDIT

Prerequisite: See Honors criteria

The content of this course is outlined in English 3; this course will include both intensive and extensive study of the content. Students must be capable of independent learning and multi-tasking. Students will demonstrate public speaking skills using persuasive devices and character role modeling

(analysis), among other skills. In addition to the research project, students analyze language, diction, tone and author purpose; they then apply these literary analysis skills to answering sample AP written test questions.

MODIFIED ENGLISH 3

83 - FULL YEAR - 1 CREDIT

Prerequisite: SpecEd placement

This course is a survey of American literature and its historical significance. Students read, interpret, and analyze selections from each major period in the development of American literature. In preparation for college-level writing as well as standardized tests such as the SAT, students compose well-structured and properly developed essays. Students are also required to write a research paper during second semester. The process, format, and content of a good research paper are the major focus. Additional modifications and accommodations are given in accordance with the student's IEP.

CP ENGLISH 4

40 - FULL YEAR - 1 CREDIT

Prerequisite: English 3

This course is a survey of British Literature and its historical significance. Students read, interpret, and analyze selections from each historical period. Writing instruction focuses on the well-written essay, the research process, and the writing of a research paper.

HONORS ENGLISH 4

47 - FULL YEAR - 1 CREDIT

Prerequisite: See Honors criteria

English IV in a course focused on British Literature starting from some of the oldest tales like Beowulf and concluding with contemporary poetry and novels. Students will explore reading, analysis, and writing at the college preparatory level within their study of classic British literature.

MODIFIED ENGLISH 4

84 - FULL YEAR - 1 CREDIT

Prerequisite: SpecEd placement

This course is a survey of British Literature and its historical significance. Students read, interpret, and analyze selections from each historical period. Writing instruction focuses on the well-written essay, the research process, and the writing of a research paper. Additional modifications and

accommodations are given in accordance with the student's IEP.

AP ENGLISH LITERATURE AND COMPOSITION

75 - FULL YEAR - 1 CREDIT

Prerequisite: See AP criteria

In this course students will study major literary works in British and World Literature. Writing assignments will focus on critical analysis of literature in expository essays. This course will provide the opportunity for honors students to prepare intensely for the Advanced Placement test in English Literature. Students must be capable of independent reading and learning. Students are required to take the AP English Exam in May.

CREATIVE WRITING

76 - FULL YEAR - 1 CREDIT

Prerequisite: CP English 1

Creative Writing is a semester long course with two primary focuses: fiction and poetry. Students will study the process of writing creative fiction and poetry through reading various short stories and poems, editing peer work, and creating their body of work. Classes will include a variety of activities: reading and discussing what makes "good" literature, writing poetry and short stories on creative prompts, and workshops with the purpose of peer editing. Students would ultimately create their own portfolio of creative writing throughout the semester and present their best work to the class.

FINE ARTS

CULINARY ARTS

610 - FULL YEAR - 1 CREDIT

Prerequisite: Senior standing

Explore the restaurant and food industry. This course builds 21st century life, career, and innovation skills. It covers the basics of food preparation, safety, sanitation, equipment, nutrition and eating habits. Students collaborate in work teams using project-based learning techniques to prepare soups, salads, breads, cookies, cakes, pizza, and lasagna from scratch. Students then expand their food preparation skills by focusing on meal planning. Culminating projects focus on planning, ordering, purchasing, and preparing luncheons from United States regional cuisines and those of ethnic origin.

MUSIC AND PERFORMING ARTS

851 - FULL YEAR - 1 CREDIT

Prerequisite: None

The Music and Performing Arts Class is a two-part course. The first semester will focus on Music Awareness, in which you will learn the history of American popular music, classical composers and their music. The second semester will focus on Theatre Arts, in which we will learn about acting, directing, movement, voice production, and the business aspects behind producing a play/musical. We will learn basic life communication skills while learning to perform with strength and confidence.

MUSIC MINISTRY

896 - FULL YEAR - 1 CREDIT

Prerequisite: Soph, Jr or Sr standing

The VASJ Music Ministry Class is a Praise and Worship Team which leads the Prayer-Song for school prayer services and liturgical services. You will also have the opportunity to lead music for prayer services and liturgical events for the Diocese of Cleveland when we are asked. This is a wonderful opportunity for the students of our school Viking family to get involved in service outside of class and school. If you enjoy singing or playing an instrument, then this is a great option for you. The VASJ Music Ministry is responsible for leading prayer services, liturgies, retreats and school events when asked.

PIANO AND MUSIC THEORY

874 - FULL YEAR - 1 CREDIT

Prerequisite: Junior/Senior standing

Students will learn the foundations of music theory and scales. Everyone learns at their own pace with individual instruction during each class. You will need headphones and a 3 ring binder for this class. Music books will be given to you at the beginning of the year, and as you progress in your ability. This class is limited to only 8 students per class, as we only have 8 pianos. A performance will be given at the end of each Quarter.

2D DESIGN

800 - FULL YEAR - 1 CREDIT

Prerequisite: None

Students will draw both from observation and from their imaginations. They will learn how to observe and why this is such an important skill with drawing. Students will use contour line, linear perspective, value and texture to draw many different subjects, such as buildings, portraits, still life objects, and the human figure. Students will explore

drawing with a variety of different materials. Students will also be working with a variety of paint medium and will develop an understanding of color theory. They will have the opportunity to explore subject matter such as landscapes, portraits, still life, and abstract art in a variety of different painting styles. Students will use creativity and imagination in order to create original, one-of-a-kind artworks.

DIGITAL MEDIA

790 - FULL YEAR - 1 CREDIT

Prerequisite: 2D design

The purpose of the Digital Media class is to give VASJ students real-life experience with aspects of journalism, marketing, and public relations. Digital Media is a lab course designed to educate the students to use an array of technologies such as, digital photography, page layout, digital media marketing and website design. Students will engage in real-life experience with aspects of journalism, marketing, and public relations. Prerequisites for Digital Media are 2D design or departmental approval.

ADVANCED 2D DESIGN

801 - FULL YEAR - 1 CREDIT

Prerequisite: 2D Design

Advanced Drawing builds on the foundation acquired from Drawing. A strong emphasis on observational drawing and an understanding of color theory will be stressed. Creative problem solving and development of concepts will also be emphasized. A wide variety of media and techniques will be explored in order to further develop students' drawing skills, particularly for those students who wish to pursue art as a career. Students can use this course as a stepping-stone to build their portfolio. Advanced Painting builds on the foundation acquired from Painting. Students will paint from life and respond to creative problem solving dealing with issues of two-dimensional design. An understanding of color theory will be further developed. Students will also study multiple styles in order to develop further painting skills, particularly for those students who wish to pursue art as a career.

3D DESIGN

803 - FULL YEAR - 1 CREDIT

Prerequisite: Advanced 2D Design

Students will learn to hand build using both coil and slab building methods, in addition to learning how to throw on the potters wheel. Students will also learn

methods of surface design through the use of glazing. The study of other culture and time periods will be used to develop an understanding of the medium of clay. Students will be also be introduced to Sculpture as it relates specifically to three-dimensional art. Students will gain knowledge in additive, subtractive, and assemblage techniques as sources of construction.

PORTFOLIO
802 - FULL YEAR - 1 CREDIT

Prerequisite: 3D Design

This class is the beginning preparation of a competitive portfolio for post-secondary studies and an exploration into careers of an artist. The student will continue to make art in both two- and three-dimensional materials in order to improve their skills and build their portfolios. The student will apply art strategies for critiquing their own works of art on the basis of technical and expressive qualities. The students will learn the requirements for portfolio and admissions to various art programs.

AP STUDIO ART- DRAWING
804 - FULL YEAR - 1 CREDIT

Prerequisite: 3D Design

AP Studio Art is an advanced studio course for college bound and career oriented art students. It is designed for talented art students who wish to pursue a college level course while still in high school. Extensive work is required in school as well as at home to complete written assignments, quizzes, homework assignments and an in class final. Students will have the opportunity to earn college credit if they pass the AP review given by the College Board in May. Work will be submitted in three areas: 1) Quality: Four original pieces (18x24) or less showing the best work. 2) Concentration: Submitted on 12 slides. This is a body of related works based on an individual's interest showing visual congruence. 3) Breadth: Submitted on 12 slides. This area consists of exploration and experimentation as determined by the instructor in three disciplines: Color & Design, and Sculpture, and Drawing assignments.

AP STUDIO ART- 2D
805 - FULL YEAR - 1 CREDIT

Prerequisite: 3D Design

The AP Studio Art program makes it possible for highly motivated students to do college-level work. Students are expected to submit a portfolio of 25 works that are design based during the

year or over a two year period. Upon completion of the course, talented students will have the opportunity to earn college credit if they pass the AP Review given by the College Board in the spring. The AP 2D Design class would expand the opportunities for advanced students in the digital imaging and photography areas to create original works that exemplify the elements and principles of art. This year long course would further the students understanding of design and explore various means of artistic expression. The use of composition, design elements and principles in an integrative way, and the use of technology as a means of expression will be emphasized. The 2-D Design Portfolio Requirements are: Section I: Quality - 5 Works that demonstrate your design mastery- these may come from your concentration or breadth. Section II: Concentration - 12 Works describing an in-depth exploration of a particular design concern. Section III: Breadth: A variety of 12 works demonstrating your understanding of the principles of design.

AP STUDIO ART- 3D
806 - FULL YEAR - 1 CREDIT

Prerequisite: 3D Design

The AP Studio Art program makes it possible for highly motivated students to do college-level work. Capable students are required to submit 25 works created in a single year or longer, in class or on your own, according to detailed College Board specifications. Upon completion of the course, talented students will have the opportunity to earn college credit if they pass the AP Review given by the College Board in the spring. This AP 3D Art course is intended for students who meet the following criteria: completed a Minor or Major course in Jewelry, with the accumulation of skills attained in other 3D Art courses (either Ceramics, crafts, and or Woodworking), as-well-as 2D Art (drawing, painting, digital art, or design). Candidates for AP 3D Design will be considered upon teacher recommendation and review of their proficient portfolio of works in 3-D, Mixed Media and Fine Art. The total of 25 works for the AP exam will be submitted in three areas: Section I: Quality: Demonstrate mastery of 3D design (5 works). Section II: Concentration: Works describing an in-depth exploration of a particular design concern (12 works). Section III: Breadth: A variety of works demonstrating understanding of the principles of 3D design (8 works).

HEALTH /PHYSICAL EDUCATION

HEALTH

915A - SEMESTER - 0.5 CREDIT

Prerequisite: None

This course is a comprehensive program that stresses the choices and skills necessary for enjoying total wellness. It gives the student the opportunity to acquire accurate information, to make responsible decisions and to develop positive attitudes and behaviors that promote a healthy lifestyle.

PHYSICAL EDUCATION

913 - FULL YEAR - 0.5 CREDIT

Prerequisite: None

Physical Education can provide opportunities for social growth and development. Well-planned physical activities will allow the student experiences in basic skills, team activities and general fitness and conditioning.

PHYS ED ATHLETIC WAIVER

920 - FULL YEAR - 0 CREDIT

Prerequisite: None / must qualify

Completion of two full seasons of any VASJ sanctioned sport. Sport may be two seasons of same sport or one season of two different sports but both seasons must be completed while at VASJ. Completion of sport must be during student's freshmen, sophomore, or junior year. Student must maintain athletic eligibility (per OHSA and VASJ) for a minimum of 70% of the regular season for credit to be applied.

MATHEMATICS

CP ALGEBRA 1

210 - FULL YEAR - 1 CREDIT

Prerequisite: None

This course is the first of two integrated courses that are designed to improve the proficiency level mathematics skills for the student as well as complete the Grade 9 Ohio math academic standards. The student will learn: number concepts, computation and problem solving; ratio and proportion; expressions, equations, and inequalities; graphing equations and inequalities; systems of linear equations; relationships; quadratic functions and equations, exponents, polynomials, data analysis and

probability. Students will be required to have a TI-83 or TI-84 graphing calculator on the first day of academics.

HONORS ALGEBRA 1
217 - FULL YEAR - 1 CREDIT
Prerequisite: See Honors criteria

This course is an in depth study of topics covered in Algebra 1. The material includes a more rigorous treatment of linear equations, inequalities, number systems, problem solving, graphing, polynomials, radicals, quadratic equations and rational expressions. Students are required to have a TI-83 Plus or TI-84 graphing calculator on the first day of academics.

MODIFIED ALGEBRA 1
291 - FULL YEAR - 1 CREDIT
Prerequisite: SpecEd placement

This course is the first of two integrated courses that are designed to improve the proficiency level mathematics skills for the student as well as complete the Grade 9 Ohio math academic standards. The student will learn: number concepts, computation and problem solving; ratio and proportion; expressions, equations, and inequalities; graphing equations and inequalities; systems of linear equations; relationships; quadratic functions and equations, exponents, polynomials, data analysis and probability. Students will be required to have a TI-83 or TI-84 graphing calculator on the first day of academics. Additional modifications and accommodations are given in accordance with the student's IEP.

CP GEOMETRY
220 - FULL YEAR - 1 CREDIT
Prerequisite: CP/Honors Algebra 1

This course is an integrated course focused on the March Ohio Graduation Test and designed to meet the tenth grade Ohio math academic standards. The student will learn: number concepts; systems of linear equations; functions; polynomials; polygons; trigonometry; area and volume; congruence, similarity and transformations; measurements in circles; data analysis and statistics. Students will be required to have a TI-83 or TI-84 graphing calculator on the first day of academics.

HONORS GEOMETRY
227 - FULL YEAR - 1 CREDIT
Prerequisite: See Honors criteria

The traditional Geometry topics of reasoning and proofs, similarity, trigonometry, quadrilaterals, transformations and properties of circles will be taught. Students are required to have a TI-83 Plus or TI-84 graphing calculator on the first day of academics.

MODIFIED GEOMETRY
292 - FULL YEAR - 1 CREDIT
Prerequisite: SpecEd placement

This course is an integrated course focused on the March Ohio Graduation Test and designed to meet the tenth grade Ohio math academic standards. The student will learn: number concepts; systems of linear equations; functions; polynomials; polygons; trigonometry; area and volume; congruence, similarity and transformations; measurements in circles; data analysis and statistics. Students will be required to have a TI-83 or TI-84 graphing calculator on the first day of academics. Additional modifications and accommodations are given in accordance with the student's IEP.

CP ALGEBRA 2 / TRIGONOMETRY
232 - FULL YEAR - 1 CREDIT
Prerequisite: CP/Honors Geometry

In this course, the student will learn functions and relations, linear functions, linear systems, direct and inverse variation, sequences, recursive functions, matrices, quadratic functions, imaginary and complex numbers, scatter plots of bivariate data, linear and quadratic regression, vectors, power functions, composition and inverses of functions, exponential and logarithmic functions, polynomial operations, factoring, and trigonometry. Students are required to have a TI-83+ or TI-84 graphing calculator on the first day of academics.

HONORS ALGEBRA 2/TRIGONOMETRY
237 - FULL YEAR - 1 CREDIT
Prerequisite: See Honors criteria

This course covers quadratic equations, irrational numbers, complex numbers, functions, sequences and series,

trigonometry, and the conics. This course is purposely designed to be fast paced and content rich for the necessary preparation for Pre-Calculus. Students are required to have a TI 83 Plus, or TI 84 graphing calculator on the first day of academics. This will be 2 periods per day during the first semester.

MODIFIED ALGEBRA 2 / TRIGONOMETRY
293 - FULL YEAR - 1 CREDIT
Prerequisite: SpecEd placement

In this course, the student will learn functions and relations, linear functions, linear systems, direct and inverse variation, sequences, recursive functions, matrices, quadratic functions, imaginary and complex numbers, scatter plots of bivariate data, linear and quadratic regression, vectors, power functions, composition and inverses of functions, exponential and logarithmic functions, polynomial operations, factoring, and trigonometry. Students are required to have a TI-83+ or TI-84 graphing calculator on the first day of academics. Additional modifications and accommodations are given in accordance with the student's IEP.

MATH MODELING AND REASONING
251 - FULL YEAR - 1 CREDIT
Prerequisite: CP/Honors Alg2/Trig

The Mathematical Modeling and Reasoning course is an advanced quantitative reasoning course. Quantitative Reasoning is the application of basic mathematics skills, such as algebra, to the analysis and interpretation of quantitative information (numbers and units) in real-world contexts to make decisions relevant to daily life. Critical thinking is its primary objective and outcome. It emphasizes interpretation, representation, calculation, analysis/synthesis, assumptions and communication. The Mathematical Modeling and Reasoning course is designed to promote **reasoning, problem-solving** and **modeling** through thematic units focused on mathematical practices, while reinforcing and extending content in Number and Quantity, Algebra, Functions, Statistics and Probability, and Geometry. This course is designed to promote reasoning, problem-solving and modeling through thematic units focused on mathematical practices while reinforcing and extending content in Number and Quantity, Algebra, Functions, Statistics and Probability, and Geometry. It is a yearlong course taught using student-centered pedagogy.

MODIFIED MATH MODELING AND REASONING

294 - FULL YEAR - 1 CREDIT

Prerequisite: SpecEd placement

The Mathematical Modeling and Reasoning course is an advanced quantitative reasoning course. Quantitative Reasoning is the application of basic mathematics skills, such as algebra, to the analysis and interpretation of quantitative information (numbers and units) in real-world contexts to make decisions relevant to daily life. Critical thinking is its primary objective and outcome. It emphasizes interpretation, representation, calculation, analysis/synthesis, assumptions and communication. The Mathematical Modeling and Reasoning course is designed to promote reasoning, problem-solving and modeling through thematic units focused on mathematical practices, while reinforcing and extending content in Number and Quantity, Algebra, Functions, Statistics and Probability, and Geometry. This course is designed to promote reasoning, problem-solving and modeling through thematic units focused on mathematical practices while reinforcing and extending content in Number and Quantity, Algebra, Functions, Statistics and Probability, and Geometry. It is a yearlong course taught using student-centered pedagogy. Additional modifications and accommodations are given in accordance with the student's IEP.

PRECALCULUS

274 - FULL YEAR - 1 CREDIT

Prerequisite: B or above in Honors Alg2/Trig

This honors level course includes a thorough study of functions, including the algebra of functions, graphing functions, notation, and inverses of functions. Polynomial functions, trigonometric and circular functions, exponential functions, logarithmic functions and rational functions will be emphasized. Included in the course is a thorough study of sequences and series, parametric equations and polar equations and coordinates, and rate of change. Students are required to have a TI-83 Plus or TI-84 graphing calculator on the first day of academics.

CALCULUS 1 (CCP)

277 - SEMESTER - 1 CREDIT

*Prerequisite: See CCP criteria
Co-requisite: Calculus 2*

Topics include a review of functions and graphs, limits and continuous functions,

the derivative, differentiation of algebraic and transcendental functions, and applications of differentiation. Students are required to have a TI-83 Plus or TI 84 graphing calculator in class (daily). Provided College Credit Plus requirements are met, this course will concurrently earn 4 credit hours of math from Notre Dame College.

CALCULUS 2 (CCP)

278 - SEMESTER - 1 CREDIT

*Prerequisite: See CCP criteria
Co-requisite: Calculus 1*

This course is a continuation of Calculus 1. Topics covered are the definite integral, computation of antiderivatives, techniques of integration, the Fundamental Theorem of Calculus, applications, and introduction to convergence or divergence of sequences. Students are required to have a TI-83 Plus or TI-84 graphing calculator in class (daily). Provided College Credit Plus requirements are met, this course will concurrently earn 4 credit hours of college math through Notre Dame College.

RELIGION

RELIGION 1

510 - FULL YEAR - 1 CREDIT

Prerequisite: None

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures and to introduce students to the Incarnational mystery of Jesus Christ. Through their study, they will come to encounter the living Word of God, Jesus Christ and to understand the Jesus Christ is the ultimate Revelation to us from God. This is a required course for all freshmen.

RELIGION 2

520 - FULL YEAR - 1 CREDIT

Prerequisite: Religion 1

The purpose of this course is to help students understand all that God has done for humanity through His Son, Jesus Christ and that in and through the Church, they encounter the living Jesus Christ. Through this course, students will learn that for all eternity, God has planned for humanity to share happiness with Him, which is accomplished through the redemption Christ won for us. Students will be introduced to the fact that the Church was founded by Christ, through the Apostles, and is sustained through the

Holy Spirit. This course explores the origin, the human and divine elements, and the ongoing mission of the Church. This course is required for all sophomores.

RELIGION 3

530 - FULL YEAR - 1 CREDIT

Prerequisite: Religion 2

The purpose of this course is to help the students understand that they can encounter Christ today in a full and real way in and through the Sacraments, and especially through the Eucharist. Students will examine each of the Sacraments in detail so as to learn how they may encounter Christ throughout life. Students will also come to understand the manner in which the Catholic Church relates to other religions of the world as well to other non-Catholic Christians. This course is required for all juniors.

RELIGION 4

540 - FULL YEAR - 1 CREDIT

Prerequisite: Religion 3

The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plan for their lives. Students are to learn moral concepts and precepts that govern the lives of Christ's disciples. Students will be introduced to the Church's social teaching and will learn how Christ's concern for others, especially the poor and needy, is present today in the Church's mission. This course is required for all seniors.

SCIENCE

CP PHYSICAL SCIENCE

312 - FULL YEAR - 1 CREDIT

Prerequisite: None

Topics covered will include the scientific method, data analysis, science & technology, earth science, chemistry and physics. There will be an emphasis on developing problem-solving skills and critical thinking skills.

HONORS PHYSICAL SCIENCE

317 - FULL YEAR - 1 CREDIT

Prerequisite: See Honors criteria

Topics covered will include the scientific method, data analysis, science & technology, earth science, chemistry and physics to a greater depth than Physical Science. There will be an emphasis on developing problem-solving skills, critical thinking skills and computations. Laboratory experiments and demonstrations are included where

appropriate to enhance student understanding of key concepts.

CP BIOLOGY/LAB

325 - FULL YEAR - 1 CREDIT

Prerequisite: CP/Hon Physical Science

Content areas will include characteristics of living things, the cell, plants, animals, human biology, and ecological interactions. This course will place an emphasis on developing an understanding of the scientific method, an understanding of laboratory experimentation, analytical skills and critical thinking skills. The aim of this course is to facilitate the development of individuals who will be literate in understanding science and technology.

HONORS BIOLOGY/LAB

327 - FULL YEAR - 1 CREDIT

Prerequisite: See Honors criteria

This course is designed for the academically talented student who is interested in science or a science-related career. It covers the same material as the CP Biology course, but an emphasis is placed on combining the lecture with laboratory experiments. Mathematical reasoning and problem solving is stressed throughout the course. Included in this course are field trips, outside readings, science projects, and greater depth of coverage of topics. Admission to the course is limited to those who show an above-average aptitude in science and math as well as being academically talented in other areas.

CP CHEMISTRY/LAB

332 - FULL YEAR - 1 CREDIT

Prerequisite: CP/Honors Biology

This course is a comprehensive college preparatory chemistry course. An emphasis is placed on complementing material discussed in lectures with laboratory experiments. Mathematical reasoning and problem solving are incorporated throughout the course so as to enhance these skills for each student. Students are encouraged to develop the skills necessary for them to think like scientists. Upon completion of this course students should have a clear understanding of the basic principles of chemistry. Students will be introduced to the importance of safety in the chemistry laboratory and basic procedures required to conduct experiments in the chemistry laboratory

HONORS CHEMISTRY/LAB

337 - FULL YEAR - 1 CREDIT

Prerequisite: See Honors criteria

This course is offered to those with a high interest and ability in science. As with CP Chemistry, this is a comprehensive, college preparatory chemistry course. An emphasis is placed on complementing material discussed in lecture with laboratory experiments. Mathematical reasoning and problem solving are incorporated throughout the course so as to enhance these skills for each student. Students are encouraged to develop the skills necessary for them to think like scientists. Upon completion of this course students should have a clear understanding of the basic principles of chemistry. Students will be introduced to the importance of safety in the chemistry laboratory and basic procedures required to conduct experiments in the chemistry laboratory. Students will also explore more advanced topics in chemistry, such as organic chemistry and biochemistry. Students will be expected to demonstrate an advanced level of mathematical reasoning and problem solving skills.

ENVIRONMENTAL SCIENCE

334 - FULL YEAR - 1 CREDIT

Prerequisite: CP/Honors Chemistry

This course is designed to endow students with the necessary knowledge and skills that will enable them to apply scientific skills and processes on major environmental science concepts. Upon successful completion of this course, students should be able to use the scientific skills and processes and major environmental science concepts to understand interrelationships of the natural world and to analyze environmental issues and their solutions is placed on the human interactions with the Earth's geologic and environmental systems, predictability of a dynamic Earth, origin and evolution of the Earth system and universe, geochemical cycles and energy in the Earth system.

CP PHYSICS

345 - FULL YEAR - 1 CREDIT

Prerequisite: CP/Honors Chemistry

In this course emphasis is placed on mathematical, experimental and conceptual aspects of physics. Laboratory experiences are designed to illustrate phenomena and stimulate application of principles. Topics treated include Mechanics, Energy, Sound, Light, Electricity and Magnetism.

HONORS PHYSICS/LAB

347 - FULL YEAR - 1 CREDIT

Prerequisite: See Honors criteria

This course is designed to be the equivalent of a college introductory physics course usually taken by physics majors during their first year. This course is for academically talented students in science and math. Topics treated include: Mechanics, Sound, Light, Electricity, Magnetism, and Relativity.

AP BIOLOGY

375 - FULL YEAR - 1 CREDIT

***DOUBLE PERIOD CLASS**

Prerequisite: See AP criteria

This course is aligned to the College Board AP curriculum and is based on four Big Ideas, which encompass core scientific principals, theories and processes that cut across traditional boundaries and provide a broad way of thinking about living organisms and biological systems. Students will have time devoted to hands-on laboratory work with an emphasis on inquiry-based investigations which require students to ask questions, make observations/predictions, design experiments, analyze data and construct arguments in a collaborative setting. Students are required to take the College Board AP exam.

SOCIAL STUDIES

CP WORLD HISTORY

120 - FULL YEAR - 1 CREDIT

Prerequisite: None

CP World History aims to expose the college bound students to the humanizing effect of studying the past in order to understand the present. Students of CP World History are expected to possess the skills necessary for the analysis of history. Students will continue to refine their ability to analyze, synthesize, and evaluate historical events and their significance and produce well-written essays.

HONORS WORLD HISTORY

127 - FULL YEAR - 1 CREDIT

Prerequisite: See Honors criteria

Honors World History is designed for the self-motivated and self-directed learner who has expressed an interest and talent in history and has excellent reading and writing skills. This weighted college preparatory course requires students to be able to use a variety of historical sources to analyze, synthesize and evaluate historical events and their significance. Students in this course are challenged by in-class discussions, projects, and essay exams.

CP US HISTORY**130 - FULL YEAR - 1 CREDIT**

Prerequisite: CP/Honors World History

CP US History is presented as a chronological and thematic survey of the American past for the college bound student. This course aims to excite the students' curiosity regarding the American heritage and to expose them to the individuals, forces, ideas and events that have shaped the flow of American history. The students will be presented with a global view of the American past, which takes into account the impact of world events on America and events in the US on the world. Students are challenged by in-class discussion, independent study projects, and essay exams.

HONORS US HISTORY**137 - FULL YEAR - 1 CREDIT**

Prerequisite: See Honors criteria

Honors U.S. History is designed for the self-motivated and self-directed learner who has expressed an interest and talent in history, has excellent reading and writing skills, but is not ready for the college level required for AP. This weighted college preparatory course requires students to be able to use a variety of historical sources to analyze, synthesize and evaluate historical events and their significance. Students in this course are challenged by in-class discussions, projects, and essay exams.

The Honors U.S. History course curriculum is presented as a chronological and thematic survey. Particular attention is paid to the connections that exist between the past and the present, and students are encouraged to stay abreast of current events and issues.

AP US HISTORY**175 - FULL YEAR - 1 CREDIT**

Prerequisite: See AP criteria

AP US History is offered to enable well-motivated students to take the Advanced Placement test in American History and upon passing, to obtain one year of college credit in American History if the college they chose to attend accepts the AP test results. This course will be an interpretive study of American History from the Age of Exploration to the present Presidential Administration. The major goal of this course will be to stimulate an examination of the causes and effects of historical events. Reading and writing will be interpretive in nature, and are designed to simulate the college

experience. The AP US History Exam is required for students in this course.

CP AMERICAN GOVERNMENT**140 - FULL YEAR - 1 CREDIT**

Prerequisite: CP/Honors US History

American Government presents an objective analysis of the foundations, structures, and functions of US Government. This course includes a unit on civil liberties and pays particular attention to landmark Supreme Court cases and decisions which impact on civil liberties today. In addition, students, examine major foreign and domestic policy issues confronting the US today. Students are challenged by independent projects and simulations including a mock Senate simulation, in which students write their own bills and guide them through their class Senate. Students are encouraged to become active and informed citizens and to use their right to vote.

HONORS AMERICAN GOVERNMENT**143 - FULL YEAR - 1 CREDIT**

Prerequisite: See Honors criteria

Honors American Government empowers students to perform at higher levels as they engage in the following: analyzing historical documents and supplementary readings, working in the context of thematically categorized information, emphasizing free-response and document-based writing, contrasting opposing viewpoints, solving problems, etc. Students will develop and demonstrate their skills through participation in an extended research-based paper/project (e.g., history fair, participatory citizenship project, mock congressional hearing, projects for competitive evaluation, investment portfolio contests, or other teacher-directed projects).

ECONOMICS & PERSONAL FINANCE**147 - FULL YEAR - 1 CREDIT**

Prerequisite: CP/Hon US Government

Economics is the study of scarcity. Throughout this required course, students will evaluate how individual and group decisions impact supply and demand and determine the success of the marketplace. Students will be introduced to the various market systems, the role of the United States in a global marketplace, the Federal Reserve System, and will utilize their skills in creating and operating a business. In personal finance, students will be introduced to the concepts of a creating a budget, avoiding debt, and

saving money through banking. Students will utilize real life scenarios that will enable them to become better decision makers in regards to their personal finances.

AP GOVERNMENT AND POLITICS**145 - FULL YEAR - 1 CREDIT**

Prerequisite: See AP criteria

AP American Government combines objective analyses and interpretations of the foundations, structures and decision-making process of Government in the US. This course emphasizes how government organizes, harnesses and controls public power in a way that enhances a nation's values and purposes. Particular attention is paid to the role of the people in a free society. This course strives to stimulate the college experience for students who possess superior reading and writing skills and display an interest in government and politics. Students are required to take the Advanced Placement Exam in American Government and upon passing, obtain college credit in American Government if the college they choose to attend accepts the grade College Board awards.

PSYCHOLOGY**142 - SEMESTER - 0.5 CREDIT**

Co-requisite: Must take with Sociology

Prerequisite: Junior/senior standing

Psychology is a semester long course which introduces the student to the study of human behavior through the examination of psychology as a tool for the better understanding of self and others. Topics of study include psychological research and methods, major approaches, learning and conditioning, memory, personality theories, emotion and motivation, mental illness and therapies. This course is a good preparation for students planning to attend college. This is a one-semester class.

SOCIOLOGY**156 - SEMESTER - 0.5 CREDIT**

Co-requisite: Must take with Psychology

Prerequisite: Junior/senior standing

This course introduces the scientific study of human society, culture, and social interactions. Topics include socialization, research methods, diversity and inequality, cooperation and conflict, social change, social institutions, and organizations.

20TH CENTURY AMERICA**153 - SEMESTER - 0.5 CREDIT**

Co-requisite: History and Sports
Prerequisite: Junior/senior standing

The course presents a basic history of the United States throughout the 20th century through film. Students will receive basic information about social, economic, political, and cultural trends throughout the century and will enhance this information while viewing selected films produced during the periods or depicting the periods. Some films will present historical events and some films will present prevailing attitudes. Course evaluation is based on discussion and reflection papers. The visual learner will enjoy this course.

HISTORY AND SPORTS

164 - SEMESTER - 0.5 CREDIT

Co-requisite: 20th Century America
Prerequisite: Junior/senior standing

In this course, students will examine the development of sports through various historical perspectives. There will be an emphasis on helping students gain a better understanding of the inner relationship that sport has on social, economic, cultural and political forces that are at work in the United States as well as the world. Students will examine the historical context as well as the significance of gender, race, ethnicity and social class through readings, primary sources, audio and visual materials as well as class discussions.

TECHNOLOGY

GOOGLE APPLICATIONS & DIGITAL SKILLS

750 - SEMESTER - 0.5 CREDIT

Prerequisite: None

This course is designed to familiarize the student with the suite of Google apps, specifically Gmail, Drive, Sheets, Docs and Google Classroom. Students will become proficient in using the various features of these apps and understand how they interact with each other. Students learn how to effectively communicate and collaborate with others through Google apps.

INTRO TO COMPUTER SCIENCE / GAME PROGRAMMING

766 - FULL YEAR - 1 CREDIT

Prerequisite: None

This course is an engaging course that explores a variety of basic

computational thinking and programming concepts through a project-based learning environment. Every unit culminates in a comprehensive project. Roughly 75% of student time is spent building projects and practicing the skills they are learning.

INTRO TO ROBOTICS (CCP)

755S - SEMESTER - 0.66 CREDIT

Co-requisite: Basic Robotics with Math. Must meet criteria for college acceptance (Tri-C). Application required. Strict filing deadlines and rules. Contact Guidance for complete information.

Introduction to direct current circuits, binary and hexadecimal numbering systems, signed numbers and elementary programming language statements (confined to programming a robot in laboratory component).

BASIC ROBOTICS WITH MATH (CCP)

756S - SEMESTER - 0.66 CREDIT

Co-requisite: Intro to Robotics. Must meet criteria for college acceptance (Tri-C). Application required. Strict filing deadlines and rules. Contact Guidance for complete information.

Course provides an introduction to robotic principles using C++ programming with an emphasis on math. Providing requirements are met, the student will earn 2 credit hours from Cuyahoga Community College.

SINGLE BOARD COMPUTERS AND APPLICATIONS (CCP)

768 - SEMESTER - 1 CREDIT

Co-requisite: Unmanned Aerial Vehicles- Drones. Must meet criteria for college acceptance (Tri-C). Application required. Strict filing deadlines and rules. Contact Guidance for complete information.

An introductory course on Single Board Computers (SBC) with an emphasis on embedded applications. Topics include standard interface devices like keyboards, High-Definition Multimedia Interface (HDMI), Universal Serial Bus (USB), General Purpose Input and Output (GPIO) ports, conventional serial communications. Communicating with external sensors, like Global Positioning System (GPS), infrared transmission and detection, accelerometers, etc., are discussed from the aspect of programming. Lab work includes use of circuit simulation software. The Raspberry Pi is a mini computer that you build yourself. Explore how to get started with Pi, including installing the operating system, programming in

Python, tinkering with electronics, using the terminal and setting up SSH. There are no prerequisites for this course. This course is paired with the Drones course. Providing requirements are met, the student will earn 3 credits hours from Cuyahoga Community College. Following enrollment procedure for CCP is mandatory- talk with your guidance counselor about qualifying.

UNMANNED AERIAL VEHICLES- DRONES (CCP)

769 - SEMESTER - 1 CREDIT

Co-requisite: Single Board Computers & Apps. Must meet criteria for college acceptance (Tri-C). Application required. Strict filing deadlines and rules. Contact Guidance for complete information.

In this course students will address the emerging market for unmanned aerial vehicle (drones), their ethical use, safety issues, legal issues, electrical and mechanical components, on-board control systems, software and remote control. Students will plan, build, and fly drones. There are no prerequisites for this course. This course is paired with the Raspberry Pi course. Providing requirements are met, the student will earn 3 credit hours from Cuyahoga Community College. Following enrollment procedure for CCP is mandatory- talk with your guidance counselor about qualifying.

AP COMPUTER SCIENCE & PRINCIPLES

773 - FULL YEAR - 1 CREDIT

Prerequisite: See AP criteria

Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in. This year-long course is an introductory course, and no prerequisites are required for students.

WORLD LANGUAGES

FRENCH 1

411 - FULL YEAR - 1 CREDIT

Prerequisite: None

This course introduces students to the language and culture of France.

Emphasis is placed on the four skills of reading, writing, listening, and speaking through thematic, contextualized vocabulary and grammatical structures. Students are introduced to the geography, customs, and diversity of the target culture through the use of electronic and print resources.

FRENCH 2

412 - FULL YEAR - 1 CREDIT

Prerequisite: French 1

French 2 further explores the language and culture of the francophone world. More complex grammatical structures and expanded vocabulary are incorporated to further develop students' reading, writing, listening, and speaking skills. Students become more proficient in communicating in the present and past tense about real-life situations involving travel, shopping, and leisure activities. Electronic and print resources are used.

FRENCH 3

413 - FULL YEAR - 1 CREDIT

Prerequisite: French 2

French 3 continues to build upon previous knowledge of French culture to help students apply material to their daily lives. More complex grammatical structures such as past tenses, the usage of direct object pronouns, adverbs, and the conditional tense enrich the additional vocabulary incorporated into lessons. This structure further develops students' reading, writing, listening and speaking skills. Students will begin reading articles in French and will work on translation skills. Students will become more proficient in communicating in a variety of tenses when discussing real-life situations involving history, pastimes, and more. Electronic and print

FRENCH 4

414 - FULL YEAR - 1 CREDIT

Prerequisite: French 3

French 4 students focus on putting everything together to increase fluency in all areas of communication. They will continue to increase their vocabulary, learn more grammatical structures and master previously learned grammar and vocabulary. They will be able to utilize more authentic readings, movies, and television shows as their fluency improves, allowing them to learn and appreciate more of the French culture and history.

MANDARIN CHINESE 1

401 - FULL YEAR - 1 CREDIT

Prerequisite: None

This course will provide students with an introduction to Chinese language and culture. Students will learn how to utilize the pinyin writing system and then move on to Chinese character reading and writing. By the end of the course students will have the tools to speak about daily life in Chinese.

MANDARIN CHINESE 2

402 - FULL YEAR - 1 CREDIT

Prerequisite: Mandarin Chinese 1

Mandarin Chinese 2 will continue the study of Chinese culture and language. Students will expand their vocabulary and be able to interact proficiently in spoken Mandarin in everyday life. The course will also continue the study of Chinese calligraphy and reading.

MANDARIN CHINESE 3

403 - FULL YEAR - 1 CREDIT

Prerequisite: Mandarin Chinese 2

Mandarin Chinese 3 will continue the study of Chinese culture and language. Students will expand their vocabulary and be able to interact proficiently in spoken Mandarin up to the intermediate level. Students will also take a deeper look into Chinese culture and history and learn key terms and phrases that correspond to the content.

SPANISH 1

421 - FULL YEAR - 1 CREDIT

Prerequisite: None

This course introduces students to the language and culture of Hispanic countries. The skills of reading, writing, listening, and speaking through thematic, contextualize vocabulary and grammatical structures. Students are introduced to the geography, customs, and diversity of Spanish-speaking countries through the use of electronic and print resources.

SPANISH 2

422 - FULL YEAR - 1 CREDIT

Prerequisite: Spanish 1/Dept. approval

Spanish 2 further explores the language and culture of the Hispanic world. More complex grammatical structures and expanded vocabulary are incorporated to further develop students' reading, writing, listening, and speaking skills. Students become more proficient in

communicating in the present and past tense about real-life situations involving travel, shopping, and leisure activities. Electronic and print resources are used.

SPANISH 3

423 - FULL YEAR - 1 CREDIT

Prerequisite: Spanish 2

Spanish 3 is an advanced Spanish course. It will build upon students' gained knowledge from Spanish 1 and 2 through continuation and recycling what was acquired in previous years. Students will focus on additional verb tenses, grammatical structure and expressions while continuing to expand their vocabulary. Students will become more proficient in their comprehension and communication abilities. Student activities will include reading, listening, communication and viewing of "real world" situations and authentic resources. Students will view Spanish language films and read selected Spanish literature.

SPANISH 4

424 - FULL YEAR - 1 CREDIT

Prerequisite: Spanish 3

Spanish 4 is an advanced Spanish course. It will build upon students' gained knowledge from Spanish 1 and 2 through continuation and recycling what was acquired in previous years. Students will focus on additional verb tenses, grammatical structure and expressions while continuing to expand their vocabulary. Students will become more proficient in their comprehension and communication abilities. Student activities will include reading, listening, communication and viewing of "real world" situations and authentic resources. Students will view Spanish language films and read selected Spanish literature.

MISCELLANEOUS

ACT PREP AND COLLEGE READINESS

943 - FULL YEAR - 0.5 CREDIT

Prerequisite: Junior standing

Students will prepare for the ACT test, administered in February, while utilizing the Method Test Prep Computer program. Students will also utilize the Naviance Program to conduct career planning and assessment, college searches and resume building. Spring semester will focus on building their college application materials; including college essays, recommendation letters and other college materials. This is a required course for all juniors.

**SCAMINESE LEADERSHIP COURSE
943 - FULL YEAR – 1 CREDIT**

*Prerequisite: Junior / Senior standing,
GPA 3.2 or higher*

This course is designed to improve the character and leadership of VASJ students and to improve school climate. Students will study the lives of people who have successfully demonstrated character and leadership skills and put them into practice in everyday life.

**STUDY HALL
SH - VARIES - 0 CREDIT**

Prerequisite: None

**DIRECTED STUDY
970 - FULL YEAR - 0.5 CREDIT**

Prerequisite: None

Students will have direct supervision while completing assignments for core classes. This may include completion of homework, make-up of tests/quizzes, or completion of missed/incomplete classwork. Students will receive assistance in organization, note-taking, and study skills, as appropriate. Preparation for standardized tests may be incorporated into the course. Students will receive a grade for participation.

**SUPPORTED STUDY
975 - FULL YEAR - 0.5 CREDIT**

Prerequisite: None

Students work on assignments directly with a teacher and/or Intervention Specialist. The Special Education department determines student eligibility.