

2020-2021 Academic Course Bulletin

ACADEMIC POLICIES AND COURSE OFFERINGS

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MISSION STATEMENT

Bishop Manogue Catholic High School-Educating through Faith, Leadership, Knowledge, and Compassion.

PHILOSOPHY

Bishop Manogue Catholic High School is a faith-based community working together for the education of all students. Catholic values and ideals are the basis for all instruction and interaction. The school community, together with parents, alumni, and benefactors, fosters an environment that supports academic achievement, spiritual growth, self-motivation, extra-curricular involvement, and Christian service.

INTEGRATED STUDENT OUTCOMES

Bishop Manogue Catholic High School is a faith-centered community that recognizes that the world and everything within it is a gift from God. Therefore, we promote faith formation, academic excellence, leadership, and compassion in order to develop Christian leaders who are committed to life-long learning. Such a commitment requires that Bishop Manogue Catholic High School graduates will have acquired knowledge of the basic doctrines of the Catholic Church and an understanding of the importance of his or her spiritual development. The knowledge and skills required of Bishop Manogue Catholic High School graduates are addressed in four mission-focused areas:

1. Faith
2. Leadership
3. Knowledge
4. Compassion

In the area of Faith, the graduate will:

1. Continue to cultivate a personal spiritual life that is characterized by prayer, reflections, and stewardship.
2. Demonstrate an understanding of the Catholic faith.

In the area of Leadership, the graduate will:

1. Exhibit Christian leadership through a discovery of his or her individual gifts and talents and participation in co-curricular activities.
2. Pursue postsecondary education.

In the area of Knowledge, the graduate will:

1. Obtain and demonstrate skills in research, analysis, organization, synthesis, and technology.
2. Think critically, creatively, and globally, using the vocabulary and concepts of the arts, literature, languages, religious studies, natural and social sciences, and mathematics.

In the area of Compassion, the graduate will:

1. Recognize and respond to people in need through Christian service.
2. Commit to an active citizenship-locally, nationally, and/or globally.
3. Respect all people as gifts from God, including persons of diverse backgrounds of age, race, gender, ethnicity, religion, talent, and socioeconomic status.

ACCREDITATION

- Accredited by the Northwest Association of Accredited Schools since 1966
- Accredited by the Western Catholic Education Association and Cognia (formerly AdvancEd)
- Recognized and approved by the Nevada Department of Education
- Affiliated with the National Catholic Education Association
- Member of the Nevada Interscholastic Activities Association (NIAA)

THE 8 PERIOD MODIFIED BLOCK SCHEDULE

Bishop Manogue Catholic High School will have an eight period-modified block. Daily school schedule is subject to change with or without advanced notice.

THE ACADEMIC DAY

The academic schedule at Bishop Manogue Catholic High School is divided into eight modified block periods. Students in grades 9-11 are required to complete eight periods. Students in their senior year must take a minimum of seven periods. All students should schedule their classes with the following considerations in mind: completion of graduation requirements, college admission requirements, and the completion of course requirements, which assist in SAT/ACT preparation.

ACADEMICS

Courses designed to prepare students to meet college requirements are an integral part of the Bishop Manogue Catholic High School academic program. The Bishop Manogue Catholic High School diploma is available to those students who complete the basic course of study required by the State of Nevada and Bishop Manogue Catholic High School. Students who have completed all of the requirements for a diploma but have not taken or passed required assessments may be awarded a Certificate of Attendance in lieu of a high school diploma.

ACADEMIC EXPECTATIONS

Each student must be actively involved in the process of his/her education. Consequently, the primary responsibility for learning rests with the student. It is understood that parents, teachers, and friends will provide an environment of support and assistance. However, real achievement in the pursuit of academic success is possible only when the individual student takes responsibility for fulfilling the requirements of study. Each teacher will distribute a written course syllabus outlining the requirements of each class at the beginning of the year or semester in which the course begins. It is the responsibility of the student to fulfill course requirements.

Students are expected to be on time for class and to be fully prepared to participate. Regular classroom attendance is required for course credit and students should be absent only for illness or other serious reasons. Each student is expected to exhibit the highest standards of Christian charity and citizenship in dealings with faculty and other students, and to refrain from any activities that disrupt the classroom or the learning process.

If a student is absent, he/she is expected to contact the course instructor or a classmate for the missing days' assignment(s) and to arrange for securing appropriate materials. Parents should contact the school for assistance in securing class assignments in the case of prolonged illness.

REQUIRED NUMBER OF CLASSES

With the Bishop Manogue Catholic High School Course of Study, all students are automatically enrolled in eight courses. Students must be enrolled in eight classes each semester for a full academic load.

RECOMMENDED COURSES OF STUDY (Classes of 2024 and after)

FRESHMAN	CREDIT
1 – Religion 9	1
2 – English 9	1
3 – Mathematics	1
4 – Science	1
5 – Cultural Anthropology	1
6 – Health/Computer Science	1
7 – Foreign Language	1
8 – Fine Arts	<u>1</u>
	8

SOPHOMORE	CREDIT
1 – Religion 10	1
2 – English 10	1
3 – Mathematics	1
4 – Science	1
5 – World History	1
6 – PE	1
7 – Foreign Language	1
8 – Capstone/Elective	<u>1</u>
	8

JUNIOR	CREDIT
1 – Religion 11	1
2 – English 11	1
3 – Mathematics	1
4 – Science	1
5 – U.S. History	1
6 – Foreign Language/Elective	1
7 – Elective/Capstone	1
8 – Elective/Academy/PE	<u>1</u>
	8

SENIOR	CREDIT
1 – Religion 12	1
2 – English 12	1
3 – Mathematics	1
4 – Science	1
5 – U.S. Government	1
6 – Foreign Language or Elective	1
7 – Elective/Capstone	1
8 – Capstone/Academy/PE	<u>1</u>
	8

*30 credits are required for the class 2020 and after.

GRADUATION REQUIREMENTS

The following are the requirements for graduation from BMCHS. In addition to these requirements, students must also take either the ACT plus Writing or the SAT Plus Essay, and complete the Christian service requirements.

Standard Diploma Courses and Credit Requirements:

Courses	Class of 2024 and after
English	4.0
Mathematics	4.0
Science	4.0
Religion	4.0
Social Studies	4.0
Foreign Language	2.0
Physical Education	2.0
Fine Arts	1.0
Health	0.5
Computer Science	0.5
Elective Courses	4.0
Number of Credits Required	30.0

Students in all classes must meet all course and credit requirements in addition to Christian Service hours, standardized testing, and senior projects the school sets as graduation requirements. Some exceptions may apply for transfer students, students with documented special needs, and those recovering credit. In extreme cases, a student may be eligible to receive a State diploma.

Students who plan to apply for admission to the University of California system must meet the Visual and Performing Arts (VPA) prerequisite. The VPA prerequisite is the completion of a yearlong art course from VP/Fine Arts discipline.

ADVANCED PLACEMENT (AP) CAPSTONE DIPLOMA

The College Board's AP Capstone program is an innovative college-level program based on two courses- AP Seminar and AP Research- that complement and enhance discipline-specific AP Courses. The program provides students with an opportunity to engage in challenging scholarly practice of the core academic skills necessary for successful college completion. The ability to think independently, write effectively, research, collaborate, and learn across disciplines is essential for success in college. Passing scores (≥ 3) are required on the AP Seminar exam and AP Research exam for both endorsements, plus:

- *AP Seminar and AP Research Certificate:* No additional requirements
- *AP Capstone Diploma:* PLUS passing scores (≥ 3) required on four additional AP exams of the student's choosing. This signifies the student's outstanding academic achievement and attainment of college-level academic research skills.

Students are eligible for this program providing the student complete the necessary coursework in accordance with both Bishop Manogue Catholic High School and the College Board's policies and requirements. Students MUST pass the AP Seminar course as a junior in order to move on to the AP Research course as a senior and be eligible for this diploma endorsement. At graduation, students may be eligible for an AP Capstone cord and will receive a Bishop Manogue Catholic High School diploma. The College Board will finalize AP Capstone Diplomas in July following the student's high school graduation.

COMPUTER SCIENCE NEXT REALITY ACADEMY DIPLOMA ENDORSEMENT

Next Reality is a Computer Science signature academy at Bishop Manogue Catholic High School. Next Reality focuses on preparing students for the unknown, a future in the technological world. It provides coursework in networking, coding, application programming interface, and artificial intelligence and builds critical thinking, visualization, and analysis skills.

Students seeking a Computer Science endorsement must complete all CSP courses in order to receive this designation on the diploma.

GEOLOGY, MINING, AND ENGINEERING (G.E.M.) ACADEMY DIPLOMA ENDORSEMENT

The G.E.M. Academy offers students a curriculum to appropriately prepare them for matriculation into science-related fields and for careers in geology, mining, engineering, mathematics, and information systems. A student who satisfies the requirements for graduation from Bishop Manogue Catholic High School and successfully completes an approved course sequence may be awarded a high school diploma with a G.E.M. Academy endorsement on the front along with a special cord to wear at the commencement ceremony. This endorsement indicates successful completion of the approved G.E.M. Academy course sequence/course of study. G.E.M. Academy course requirements beginning with the class of 2021 include:

- *Three required classes:* Introduction to Computer Science or AP Computer Science Principles; Geology; and Introduction to Engineering Design.
- *Two additional classes from the following list:* Algebra II, Algebra II/Trigonometry Honors, Pre-Calculus Honors, AP Calculus BC, AP Statistics, AP Chemistry, Physics Honors, AP Physics 1, AP Computer Science Principles, Python courses, or Applied Programming courses.

REQUIRED ASSESSMENT FOR GRADUATION

In order to graduate from Bishop Manogue Catholic High School with a standard diploma or AP Capstone diploma, a student must complete an SAT with Essay. We encourage students to explore college admissions requirements to determine the best assessment for their individual needs. Bishop Manogue offers junior students the SAT with Essay in spring of their junior year. Juniors must take this exam, but no passing score is required. A student who wishes to take the ACT plus Writing or SAT with Essay on their own, must provide proof of completion to the Registrar for proper recording should they wish to bypass the scheduled exam on campus.

REQUIRED CHRISTIAN SERVICE HOURS FOR GRADUATION

By reaching out to those in need and serving them in God's name the students become God's hands and feet in the world. God works through people to do good. This is an important part of the education and spiritual growth at Bishop Manogue Catholic High School and therefore a requirement for graduation. Students are required to obtain a minimum of 100 Christian Service hours prior to May 1st of their senior year.

GRADES, GRADE POINT AVERAGES (GPA), GPA BUMPS

Letter grades of A,B,C,D or F will be assigned in academic classes. Only a few courses are graded on a pass/fail basis (assigned as Credit "CR" or No Credit "NC"). For computing a grade point average (GPA), CR/NC grades are not included. No credit is awarded for F grades. Grades become part of the student's permanent record three weeks after report cards are issued. The responsibility for determining a student's grade rests solely with the classroom teacher. GPA bumps are added at a value of 0.5 for each semester passed for all Advanced Placement courses. Courses that are titled honors are valued at an additional 0.25 for each semester. No Mark (NM) will be placed on students' transcripts who exceed required coursework or sports seasons (for PE credit) to document a course/sports season was taken above the standard requirement for a high school diploma.

CREDIT and NO CREDIT CLASSES

Letter grades will only be given to classes taken during regular school hours during the academic year with the exception of Study Hall and Teacher Aides courses. Classes taken after school, during independent study, Teacher Aide, and Study Hall courses will be reported on the student's transcript as Credit (CR) or No Credit (NC). Credit and No Credit classes are skipped in GPA calculations and therefore have no impact on the student's grade point average.

Students who exceed the two-credit PE requirement with a season or more of sports or independent PE will receive "NM" on the transcript for that season of sports or independent PE course. "NM" is recorded as No Mark and no additional credit is given. This "NM" or no mark indicates to colleges that the student participated in the season/course, but is not eligible for PE credit. No Mark is skipped in GPA calculations.

COURSE AUDIT

Certain academic courses may be audited on a space-available basis with school administration's permission. Students who audit courses will be expected to do the same work as the students enrolled in the courses. Students will not receive unit credit for audited courses. Auditors are required to meet the requirements of the courses. Any student auditing a course who is disruptive to the class, who does not maintain a passing average, or who does not meet attendance requirements may be dropped by the

administration. Tuition for auditors is the same as those for students registered for credit. Students with severe medical needs may be required to prepay a full semester's tuition for each semester of enrollment; School administration shall determine in its sole discretion whether prepayment is required in any given case. An audited course does not receive credit and does not receive a grade. Audited classes must be repeated for credit.

UNSATISFACTORY PROGRESS and ACADEMIC WARNINGS

Notification of unsatisfactory progress may be sent to the parent(s) at any time during the school year. Academic warning notices may be mailed home at the end of quarters one and three. School administration reserves the right to require any student on academic probation or who receives an academic warning letter to take an intervention study hall period in the semester or year following the academic warning.

REPEATING A CLASS

A student may repeat a course if a "C" or below is achieved and provided he/she receives permission from the administration or school counselor. A student shall not receive additional credit for the repeated course if he/she takes a content equivalent course. The higher grade shall be recorded on the permanent record and the lower grade replaced with the notation "RPT" (repeated). Only courses approved by Bishop Manogue Catholic High School will be accepted for grade replacement.

STUDENT ATHLETE CREDIT RECOVERY/NCAA

Student-athletes must take courses, which provide direct instruction in order for the course to be considered for NCAA approval. The NCAA does not approve BYU and some other online courses and do not count toward the core credit requirements. Please consult with the NCAA and your counselor for more details.

EXAMINATION POLICY

Bishop Manogue Catholic High School requires a final examination of all students in most courses, which award one-half credit for the semester. Final exams are scheduled at the end of second and fourth quarters. Semester final examinations may consist of skill or performance tests as well as oral or written examinations depending upon the objectives of the course and the nature of the class. Students, who miss a semester final and do not make it up in accordance with the Incomplete Grade policy, may fail the course. The grade weight of the semester exam may not exceed 15%. Early exams may be given at the classroom teacher's sole discretion. No final exams are given for AP courses in the second semester. The national AP Exam serves as the final exam for these courses.

INCOMPLETE GRADES (INC)

Certain academic incomplete grades (INC) must be made up within 3 school days after the end of the quarter (3 summer business days for the fourth quarter). Incomplete grades may revert to a grade of "F" after 3 days. Exceptions may be granted only by the administration.

GRADE CHANGE REQUESTS

Once a report card or transcript grade is posted, the mark becomes school record. Any questions regarding a student's grade must be directed to the teacher of the course. Grade changes may occur under the sole discretion of the teacher. Grade changes may only occur within the first two business weeks following the close of the semester.

REPORTING TO PARENTS

Reports notifying parents of their student's progress in school are issued quarterly. Grade reports issued at the conclusion of the first nine weeks of each semester are Progress Reports indicating the level of achievement of the student at the time. The academic grade issued at the end of each semester reflects the student's work for the entire semester and is not the average of the two nine-week's grades. These semester academic grades, along with credits, conduct grades, and attendance are posted to the student's permanent record at the end of each semester.

Progress Reports are distributed and Report Cards are posted to student and parent My Backpack accounts after the close of the reporting period. Check the school calendar for specific dates.

ADVANCED PLACEMENT (AP) COURSES

Advanced Placement (AP) is a program of college-level courses and exams that give high school students the opportunity to receive advanced placement and/or credit in some colleges/universities. AP courses normally require more time and work. Some colleges may allow students to skip work they have already completed in high school through AP courses and move on to higher-level courses. Each college decides which AP Examination grades it will accept for credit and or advanced course placement. Refer to this Course Bulletin for the AP classes available and course requirements. Also, please refer to the university or college of your choice to study their AP course policy. Some colleges/universities do not accept AP exam scores for college credit.

Students are required to take the AP exam. Students who are enrolled in AP courses will be automatically billed for each AP exam in spring. Once an exam is ordered, it is expected that the student take the exam and the Tuition Agreement holder pays for the exam(s) ordered. Exams are typically ordered the first of October of each school year prior to the May testing administration. Students and families are responsible for accessing and joining all AP courses through the My AP portal. Failure to sign up for an

exam by the ordering deadline may result in additional fees at the tuition holder's expense or may be dropped from the course at the end of the first semester.

Students who miss an AP exam for any reason (other than a medical emergency or death) may not take a Late AP Exam. Approved Late AP Exams may be assessed an additional fee. It is the responsibility of the parent/legal guardian to pay any additional fees.

HONORS COURSES

Honors courses are designed to challenge students in more rigorous course work and to advance the academic achievement of students. An honors course challenges students to study beyond the scope of regular class work. Honors courses provide depth and divergence through the study of ideas, themes, and problems. They demand use of higher order thinking skills, abstract reasoning, analysis, synthesis, and evaluation. Excellence in the use of oral, written, and research skills are required.

BMCHS RETURNING STUDENT COURSE PLACEMENT

The Bishop Manogue policy for course placement is:

1. If a student has an A in both semesters of a regular class, he/she is eligible for honors placement. If no honors course is available, then he/she is eligible for AP course placement.
2. If a student has an A in both semesters of an honors class, he/she is eligible for AP placement.
3. If a student receives a C or D in either semester of an honors or AP course, he/she may be encouraged to withdraw from the course and drop down one course level.
4. If a student receives a B or lower in either semester and still wants to take or move up to an honors/AP course, a bypass form must be signed by the student, parent and counselor.

CHALLENGE EXAMS

Bishop Manogue Catholic High School will place incoming freshmen in advanced classes only if they successfully pass the Bishop Manogue Catholic High School Challenge Exams in Math and/or Foreign Language. Students must successfully complete a Challenge Exam in order to move onto a higher level.

ADMISSION REQUIREMENTS (UNR and UNLV)

Academic success in college is based on thorough preparation in challenging academic courses. The Board of Regents, which governs the University of Nevada system, believes that preparation in selected high school courses contributes to a student's success in college. All students entering the University of Nevada, Reno, and the University of Nevada, Las Vegas, are required to complete specific high school courses and have a minimum 3.00 weighted GPA in core classes. Core classes include English, science, math, and social sciences. Course requirements for admission to UNR and UNLV include the following: English (4 units), Mathematics (3 units including Geometry and Algebra II), Social Studies (3 units), Science (3 units, including 2 lab science units). These requirements apply for admission to UNR and UNLV only, and do not affect admission to Nevada community colleges, which maintain an open admissions policy.

ADMISSION REQUIREMENTS FOR CALIFORNIA PUBLIC STATE UNIVERSITIES (CSU or UC)

Students must complete courses known as A-G requirements. The requirements are:

- A: History/Social Science: 2 years required
- B: English: 4 years required
- C: Mathematics: 3 years required, 4 years recommended
- D: Laboratory Science: 2 years required, 3 years recommended
- E: Language other than English: 2 years required, 3 years recommended
- F: Visual and Performing Arts (VPA): 1 year required from the same discipline
- G: College Preparatory Electives: 1 year required in any of A-F requirement.

MILLENNIUM SCHOLARSHIP

The Millennium Scholarship has specific academic guidelines. Students must have the required GPA of 3.25 cumulative or weighted GPA, whichever is higher. The GPA qualifications are contingent upon the eighth semester, which is the final semester of senior year. Students must also have completed a sufficient number of units in English, Math, Natural Science, and Social Science/History to be eligible. Students in the graduating of classes of 2016 and after may also qualify based on a sufficient SAT or ACT score. Please visit NVGMS.gov for additional information. There is no need to apply for the scholarship, as the Bishop Manogue Registrar submits all eligible candidates after graduation to the Nevada Department of Education and the Nevada Department of Education determines final Millennium Scholarship recipients. The purpose of the Millennium Scholarship is to retain and reward Nevada bound college students after graduation. The GPA is a numerical calculation that begins freshman year and continues through senior year re-calculating as new grades/credits are earned. The counseling department in correlation with all other counseling departments in the school district do not calculate GPA's for Millennium purposes.

REGISTRATION GUIDELINES

Students should give a great deal of time and thought to the academic program they are taking each semester. The school's master schedule is built around the courses that students select. Students should review the Course Bulletin carefully, seek parental help, and see the school counselor to select the appropriate courses. The parent must sign the final registration form. Be sure to review Graduation Requirements (required courses that must be completed in each grade level), and Prerequisites (completion of other courses and grade requirements before a student can be admitted into particular classes).

Transfer credits from other schools will not be accepted for courses offered at Bishop Manogue except for: (a) courses completed by students transferring to Bishop Manogue from another accredited school, or (b) courses completed by students repeating a course previously failed at Bishop Manogue. Classes taken by correspondence require prior approval from the counselor and/or administration.

CLASS CHANGES (Add/Drop Deadlines)

Students will make every attempt to make schedule changes PRIOR to the start of each semester. Schedule changes made after the semester begins require the permission of the counselor and parent and will be done on a "space available" basis. Students may change classes within the first two weeks without academic penalty. Student seeking to change course levels may do so at any time in the semester. Students seeking to drop a course between the third and fourth week of a semester may do so, but with the understanding that some work may need to be made up in the new course. Any student wishing to drop between the fifth and ninth week of school may do so, but with a "W" withdrawal posted on the transcript. A student who drops a course after the ninth week, may do so with a "WF" Withdrawal and "F" letter grade posted on the transcript. The decision to accept a late add/drop rests with the school administration.

COURSE SEQUENCE ACCELERATION

Students seeking to accelerate through a course sequence may do so with the approval of their counselor and parent. Students may not take courses, however, through other institutions for the purposes of acceleration.

COURSES TAKEN AT OTHER ACADEMIC INSTITUTIONS

Bishop Manogue Catholic High School does not post courses taken at other academic institutions on our transcript, except in certain cases: 1) Courses taken for credit recovery or grade replacement, 2) any approved course requisite for high school graduation. Students may be granted an exception to this policy in certain circumstances, and must have this approved by administration prior to taking the course. Allowances may only be granted in the sole discretion of the administration.

ENGLISH AND PUBLICATIONS

The diploma requirements in English are intended to establish competence in writing and reading. All Bishop Manogue Catholic High School students must complete four years of English in the approved sequence.

Summer reading may be required for some English courses. Please visit the Bishop Manogue website for a list of annual summer reading assignments and requirements.

ENG 101/102 ENGLISH 9: INTRODUCTION TO LANGUAGE AND LITERATURE

Prerequisite(s): None. Open to all incoming freshmen

Duration/Credit: One-Year Course; One Unit

Course Description: The English 101/102 curriculum balances classic works by William Shakespeare, John Steinbeck, and Homer as well as various short stories. Through the study of a variety of text types and media, students build knowledge, analyze ideas, explore narrative and research writing, create myth stories, literature response essays, as well as develop writing, collaboration, and communication skills. This course places emphasis on the further development and practice of good spelling, proper punctuation, standard usage, correct grammar, and effective sentence structure. Vocabulary develops from word-building exercises taken from special work-texts and the literature read.

ENG 103/104 ENGLISH 9 HONORS: INTRODUCTION TO LANGUAGE AND LITERATURE HONORS

Prerequisite(s): Superior scores on the Bishop Manogue HSPT examination or bypass form.

Duration/Credit: One-Year Course; One Unit

Course Description: Sections of English 103/104 are designed for the superior student who seeks to be challenged by more sophisticated and complex materials in an accelerated class. The advanced curriculum balances classic works by William Shakespeare, John Steinbeck, John Hersey, John Knowles, and Homer, as well as various short stories. Through the study of a variety of text types and media, students build knowledge, analyze ideas, delineate arguments, and develop writing, collaboration, and communication skills. The course concentrates on critical and analytical readings of major literary genres: prose fiction, non-fiction prose, poetry, and drama. Students develop skills to write sophisticated essays and research papers. This course places emphasis on the further development and practice of good spelling, proper punctuation, standard usage, correct grammar, and effective sentence structure. Vocabulary develops from word-building exercises taken from special work-texts and the literature read. The course demands superior reading and writing skills.

ENG 110/111 ENGLISH 10: WRITING TO READ, READING TO WRITE

Prerequisite(s): Required of all students in grade 10 who have passed English 101/102. Students must complete the Summer Reading Project.

Duration/Credit: One-Year Course; One Unit

Course Description: English 110/111 builds on the foundation established in English 101/102 to promote further mastery of essential skills for success in written and oral communication. Classic and contemporary authors represented in the grade 10 modules include Christopher Marlowe, Amy Tan, Martin Luther King, Jr., Alice Walker, Malala Yousafzai, E.B. White, William Shakespeare, and Niccolò Machiavelli. Working with these texts, students build knowledge, analyze ideas, delineate arguments and develop writing, collaboration, and communication skills. Writing proficiency is emphasized, along with the goal of moving students' writing beyond proficiency to a higher level of sophistication. Improvement in writing is furthered by a concentration on grammar, mechanics, and spelling. Students' reading skills are developed through a systematic study of literature, including drama, short stories, poetry, and nonfiction. Vocabulary development is emphasized with a focus on word acquisition and usage. English 10 prepares students for future English courses, as well as standardized testing such as the PSAT, SAT, and ACT.

ENG 112/113 ENGLISH 10 HONORS: WRITING AND READING HONORS

Prerequisite(s): Completion of English 103/104 with a grade of "B" or better. A student in English 101/102 must receive an "A" both semesters or sign a by-pass form to move into English 112/113. Students must complete the Summer Reading Project.

Duration/Credit: One-Year Course; One Unit

Course Description: English 112/113 is designed for superior students who are self-motivated in their desire to excel in a challenging and stimulating environment where expectations are high and the work demanding. Course materials parallel those of English 110/111 classes, but students read additional novels, plays, and poems that are more complex in order to elevate their level of critical and analytical thinking. The course emphasizes oral presentations and the writing of expository essays to prepare them for AP courses and college writing.

ENG 120/121 ENGLISH 11: STUDY OF AMERICAN LITERATURE

Prerequisite(s): Required of all students in grade 11 who have passed English 110/111. Students must complete the Summer Reading Project.

Duration/Credit: One-Year Course; One Unit

Course Description: English 120/121 focuses on the literature of the United States coinciding with the students' study of American history. An examination of American poetry, essays, fiction, and drama provides materials for the continued development of analytical reading and critical thinking skills. The course provides a broad range of reading materials and written work moving the students toward greater self-confidence and independence in reading and writing.

ENG 122/123 ENGLISH 11 HONORS: STUDY OF AMERICAN LITERATURE HONORS

Prerequisite(s): Completion of English 111/112 with a grade of "B" or better. A student in English 110/111 must receive an "A" both semesters or sign a bypass form to move into English 122/123. Students must complete the Summer Reading Project.

Duration/Credit: One-Year Course; One Unit

Course Description: English 122/123 students are expected to perform at a higher level of competence by demonstrating desire and ability to exceed the minimum requirements. The students examine American novels, plays, short stories, essays, and poetry in greater depth than a regular class student does. The honors student is exposed to material that is much more sophisticated and difficult than a regular class. The course provides an elevated range of reading materials and written work to promote an increase in writing and analytical skills. Analysis and synthesis are emphasized.

ENG 124/125: ADVANCED PLACEMENT (AP) –ENGLISH LANGUAGE COMPOSITION

Prerequisite(s): Completion of English 122/123 with a "B" or better or completion of English 120/121 with a grade of "A." Students must complete the Summer Reading Project.

Duration/Credit: One-Year Course; One Unit

Course Description: An AP course in English language and composition engages students in becoming skilled readers of prose written in a variety of periods, genres, and rhetorical contexts with an emphasis on American literature and non-fiction essays. The students will engage in becoming skilled writers who compose for a variety of purposes. The course allows students to write in a variety of forms – narrative, persuasive, descriptive, and expository. The students write on a variety of subjects from personal experience to public policies from college essays to professional essays. This course is very demanding. Both the reading and analytical writings are time consuming and challenging.

ENG 130/131 ENGLISH 12 STUDY OF BRITISH and WORLD LITERATURE

Prerequisite(s): Required of all students in grade 12 who have passed English 120/121. Students must complete the Summer Reading Project.

Duration/Credit: One-Year Course; One Unit

Course Description: English 130/131 provides students with an overview of the development of British literature, starting with the Anglo-Saxon epic poem Beowulf and progressing through the major literary periods to end with contemporary literature. Representative authors studied include Chaucer, Shakespeare, Pope, Swift, Wordsworth, Keats, Shaw, Joyce, and Huxley. Further, English 130/131 is designed to provide students with an opportunity to polish and refine their language and writing skills before graduation. The course reviews principles of composition, sentence structure, correct mechanics and grammar usage. Students write essays that integrate critical and analytical thinking. They also review research techniques and write an academically sound, fully documented research paper.

ENG 132/133 ENGLISH 12 HONORS: STUDY OF BRITISH and WORLD LITERATURE HONORS

Prerequisite(s): Completion of English 122/123 or English 124/125 with a grade of "B" or better grade. A student in English 120/121 must receive an "A" both semesters or sign a bypass form. Students must complete the Summer Reading Project.

Duration/Credit: One-Year Course; One Unit

Course Description: English 132/133 students are expected to perform at a higher level of competence by demonstrating desire and ability to exceed the minimum requirements. Students will be engaged in the careful reading of literary works, primarily by British authors. Students will examine several genres including novels, short stories, poetry, drama, and essays. Students will read, analyze, and interpret literature from various time-periods and from authors such as Chaucer, Shakespeare, Wordsworth, Shelley, Dickens, Shaw, and Conrad. The course places strong emphasis on developing advanced skills and techniques in

exposition and persuasion in both written essays and oral presentations. Writing for college is an integral element of this class, along with a strong focus on building a more complete and sophisticated vocabulary.

ENG 134/135: ADVANCED PLACEMENT (AP) –ENGLISH LITERATURE AND COMPOSITION

Prerequisite(s): Completion of English 124/125 with a grade of "B" or better or completion of English 122/123 with an "A."
Students must complete the Summer Reading Project.

Duration/Credit: One-Year Course; One Unit

Course Description: The AP course in English Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. Through a close reading of selected literary works, students develop critical standards for interpreting the effects writers create by artful manipulation of language. Students study individual works, their characters, action, structure, and language. They consider both large-scale literary elements, such as form and theme, and smaller-scale elements such as figurative language, imagery, symbolism, and tone. Writing assignments will focus on the critical analysis of literature and shall include expository, analytical, and argumentative essays. The nature of the course demands a high level of participation in discussions and presentations for all members of the class; therefore, students must be thoroughly committed to reading carefully the selections from the Perrine text and the additional literature from authors such as Kesey, Shakespeare, and Ishiguro.

PUB 168/169: BROADCAST JOURNALISM

Prerequisite(s): Open to all students grades 10-12.

Duration/Credit: Semester Course/0.5 Unit or year-long/1.0

Special Note: This course requires significant time outside of class attending co-curricular events.

Course Description: The Broadcast Journalism program is a study of television and video production in the constant changing world of Digital Media Technology. Students will receive a comprehensive introduction in all aspects of TV, Video, Studio, Sports and Entertainment production that will prepare them for a future where media plays a large role in all aspects of society. Students will learn basic TV/Video Production skills as it pertains to live studio programming and Electronic News Gathering (ENG). Beginning instruction is offered in the areas of general production coordination, equipment handling skills, camera operation, audio recording, basic script writing and video editing, with an emphasis on underlying principles of video technology. Advanced students will develop skills in Sports coverage and highlight packages. Students will be responsible for the Miner TV student broadcast as well as the digital student newspaper the Miner Detail.

PUB 1036/1037: YEARBOOK

Prerequisite(s): Open to students in grades 9 through 12. Course is capped at 30 students.

Duration/Credit: One-Year Course; One Unit. This course may be repeated for credit.

Course Description: This class is primarily a laboratory course designed to produce the school yearbook. Returning staff members assume editorial positions of increasing responsibility each year. Students interested in being on staff must submit their request in the spring, turn in a writing sample, and be interviewed by the adviser. While proficiency in writing is required, skills in copy writing, layout design, desktop publishing, digital photography, and editing will be developed through instruction and hands on experience.

HISTORY AND SOCIAL SCIENCES

The study of history and the social sciences provides certain kinds of knowledge, skills, and understanding fundamental to a liberal arts education. An understanding of the American past continues to be a prerequisite for a participating citizen in a constitutional republic. Vital though such study is an understanding of our nation alone is not enough. The examination of other cultures around the globe is crucial for broadening a student's understanding of an interdependent world. The Department of History and Social Science therefore integrates the study of international cultures throughout its program.

Bishop Manogue Catholic High School students in the class of 2022 and after must complete four years of history and social science courses in the approved sequence.

HSS 434/435: CULTURAL ANTHROPOLOGY

Prerequisite(s): Open to students in 9th grade who are concurrently enrolled in ENG 101/102.

Duration/Credit: One-Year Course; One Unit

Course Description: Students will gain an in-depth appreciation of the study of human beings from a scientific perspective. Beginning with the history of the field of anthropology, students will learn the art and science of studying people of diverse backgrounds. Students will investigate the roots and development of the components of cultural anthropology, including language, race, ethnicity, gender and sexuality, family structures, class, power, economics, religion, health, and art. Scientific research, modern trends, and the lens of the Catholic Church will be used to present topics to inspire students to better understand one another in an effort to live the Golden Rule.

HSS 436/437: CULTURAL ANTHROPOLOGY HONORS

Prerequisite(s): Open to students in grade 9 who are concurrently enrolled in ENG 103/104.

Duration/Credit: One-Year Course; One Unit

Course Description: Students will gain an in-depth appreciation of the study of human beings from a scientific perspective. Beginning with the history of the field of anthropology, students will learn the art and science of studying people of diverse backgrounds. Students will investigate the roots and development of the components of cultural anthropology, including language, race, ethnicity, gender and sexuality, family structures, class, power, economics, religion, health, and art. Scientific research, modern trends, and the lens of the Catholic Church will be used to present topics to inspire students to better understand one another in an effort to live the Golden Rule. Honors students will be expected to do extensive independent reading and implement an organized system of taking notes. Specific focus will be placed on writing skills development in anticipation of future Honors and AP classes.

HSS 400/401: WORLD HISTORY

Prerequisite(s): Open to students in grades 10 with successful completion of Cultural Anthropology.

Duration/Credit: One-Year Course; One Unit

Course Description: This course is a survey of the history of the significant accomplishments of the major civilizations of the world from ancient to modern times, including the civilizations of Europe, Asia, Africa, North and South America, and the Middle East. The geography of the world and the effect of geographical factors upon civilizations of the world are of major importance in this course. This course satisfies the Arts/Humanities requirement for graduation.

HSS 402/403: ADVANCED PLACEMENT (AP) WORLD HISTORY MODERN

Prerequisite(s): Open to all students in grades 10 with successful completion of Cultural Anthropology Honors.

Duration/Credit: One-Year Course; One Unit

Course Description: In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

HSS 410/411: UNITED STATES HISTORY

Prerequisite(s): Open to students in grade 11 with successful completion of HSS 400/401.

Duration/Credit: One-Year Course; One Unit

Course Description: Required course for graduation and builds upper level college skills. The major political, social, economic, and cultural developments, which have contributed to the founding of the United States, will be studied from the perspective of individuals and groups who contributed to the evolving history of the nation and those who were affected by it. An emphasis on the contributions of people of all races, creeds, and cultures, and the important roles they have played in America's past and present history will be stressed. This unique perspective on the history of America will encompass major periods from the time of the colonies and their European beginning through the Revolution; emergence of the nation; westward expansion and the effects on the social, political and economic institutions of the United States; America's rise to both domestic and foreign affairs; and the two world wars; the New Deal; international relations with an emphasis on America's growing role in relation to other governmental and political structures; Vietnam; growing scientific and technological advancements and their effect on major events of contemporary life and politics.

HSS 414/415: ADVANCED PLACEMENT (AP) UNITED STATES HISTORY

Prerequisite(s): Open to students in grade 11 with successful completion of HSS 402/403 or with a "B" or better from HSS 400/401.

Duration/Credit: One-Year Course; One Year

Course Description: AP United States History focuses on developing students' abilities to think conceptually about U.S. history from approximately 1491 to the present and apply historical thinking skills as they learn about the past. Seven themes of equal importance — identity; peopling; politics and power; work, exchange, and technology; America in the world; environment and geography; and ideas, beliefs, and culture — provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places.

HSS 421: UNITED STATES GOVERNMENT

Prerequisite(s): Open to students in grade 12 with successful completion of HSS 410/411.

Duration/Credit: One-year Course; One Unit

Course Description: This course will examine the structure and function of American government at the national, state, and local levels in relation to that of other world governmental forms. Instructional topics will include basic governmental ideologies, vocabulary of governments, governmental political structures and their organization, the institutions of government, and the role of the citizen in U.S. government and other selected governmental systems. A general emphasis will be placed on current governmental affairs within the United States and in the World.

HSS 425: ADVANCED PLACEMENT (AP) UNITED STATES GOVERNMENT

Prerequisite(s): Open to students in grade 12 with successful completion of HSS 414/415 or with an "A" from HSS 410/411.

Duration/Credit: One-year Course; One Unit

Course Description: AP United States Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments.

HSS 428/429: ADVANCED PLACEMENT (AP) HUMAN GEOGRAPHY

Prerequisite(s): Open to all students in grades 10 or 12. Completion of 436/437 Cultural Anthropology Honors or 402/403 AP World History Modern.

Duration/Credit: One-Year Course; One Unit

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

MATHEMATICS

The mathematics curriculum is built around a core sequence of eight terms: two of elementary algebra, two of geometry, two of intermediate algebra, and two of a mathematics elective. The completion of these eight terms will satisfy diploma requirements, but two terms of pre-calculus are required as a prerequisite for more advanced courses in calculus.

Placement of new students in the appropriate first course is made through the results of the HSPT. Typically, new ninth-graders entering with little or no prior study of algebra start with MTH 204/205. For a student who already has studied algebra and perhaps geometry, our focused and adaptive Mathematics Challenge Exam is designed to pinpoint those topics that the student already knows while at the same time indicating those topics to which the student still needs introduction. With the results of this test, an appropriate initial course is identified so that a student joins our program geared for success.

Geometry is a required class for many colleges. Geometry regular/honors is recommended on a high school transcript.

MTH 204/205: ALGEBRA I

Prerequisite(s): Open to students in grade 9 who placed in MTH 204/205 according to their freshman HSPT exam.

Duration/Credit: One-Year Course; One Unit

Course Description: This course offers an integrated approach to the study of algebra. Topics include: the structure of the real number system, the use of algebra to analyze and solve practical problems, solving and graphing linear equations and inequalities on a number line and on a coordinate plane, algebraic operations with polynomials, factoring polynomials, using factoring to solve quadratic equations, the simplification of radicals, the quadratic formula, the Pythagorean theorem, the laws of exponents, functions, systems of equations, and an introduction to probability and statistics.

MTH 206/207: ALGEBRA I HONORS

Prerequisite(s): Open to students in grade 9 who qualify based on their freshman HSPT/Challenge exam results.

Duration/Credit: One-Year Course; One Unit

Course Description: This is a first year Algebra course for fairly advanced or capable math students. It is designed to cover all of the topics of the Algebra I course with deeper understanding. In addition, rational expressions, permutations, and combinations are studied. Students are encouraged to formulate some mathematical ideas on their own. Students will complete at least one mathematics project during the year. A TI-83 Plus or a TI-84 Plus calculator is required.

MTH 210/211: GEOMETRY

Prerequisite(s): Open to students who have completed MTH 204/205 or who have completed MTH 206/207; or 9th grade students who placed in the class based on HSPT performance.

Duration/Credit: One-Year Course; One Unit

Course Description: Geometry is the study of shapes and sizes. During the course of the year students will study the properties of points, lines, angles; learn how to use theorems and postulates to write informal proofs through the process of deductive reasoning; discover and use the properties of polygons, circles, prisms, pyramids, spheres; and work with the relationships of right triangles including the Pythagorean Theorem and basic trig functions. Students will be expected to use construction tools to discover and reinforce topics covered throughout the year. Students will also be expected to master the terminology used in the description of geometric figures.

MTH 212/213: GEOMETRY HONORS

Prerequisite(s): Open to students who have completed MTH 206/207, or 9th grade students who placed in the class based on HSPT/Challenge exam performance.

Duration/Credit: One-Year Course; One Unit

Course Description: This course is designed as the most involved of the geometry courses. Students will work with the tools of geometry to prove, apply, and/or discover geometric properties. Students will use both an inductive and deductive approach to problem solving, and will be expected to write formal proofs for most topics covered. This course will study the properties, theorems, and postulates associated with geometric figures. Students will apply the topics learned in this course to solve real world applications.

MTH 220/221: ALGEBRA II

Prerequisite(s): Open to students who have completed MTH 206/207 and MTH 210/211.

Duration/Credit: One-Year Course; One Unit

Course Description: This course is a second year study of Advanced Algebra. The topics addressed include: solving linear and quadratic equations and inequalities and applying these skills to problem solving; solving systems of equations and inequalities and applying these skills to problem solving; factoring, simplifying, and solving the various types of polynomials, rational or irrational algebraic equations; studying the concepts of relations and functions; using the laws of exponents to solve equations; using the properties of real numbers and the properties of operations of real numbers to solve problems; and solving algebraic equations involving absolute value.

MTH 222/223: ALGEBRA II & TRIGONOMETRY HONORS

Prerequisite(s): Open to students who have a "B" both semesters in MTH 206/207 and MTH 212/213.

Duration/Credit: One-Year Course; One Unit

Course Description: This course is a second year study of Advanced Algebra. The topics covered include a rigorous study of linear functions, quadratic functions, polynomial functions, combinations and permutations, concepts of probability and matrices. One quarter is devoted to the study of the six trigonometric functions, the trigonometric identities and applications of trigonometry to problem solving. The remaining quarter covers exponential and logarithmic functions, radical functions, rational functions, and conic sections. Students also practice and learn techniques to solve problems from the SAT, ACT, AMC (American Mathematics Competition) and the Trig Star Exam. (The AMC and the Trig Star are required during the spring semester.) A TI 83 Plus or a TI 84 Plus graphing calculator is required.

MTH 232/233: COLLEGE ALGEBRA WITH TRIGONOMETRY

Prerequisite(s): Open to students that have completed MTH 220/221 or MTH 222/223.

Duration/Credit: One-Year Course; One Unit

Course Description College Algebra with Trigonometry is a bridge course between high school mathematics and college mathematics. The course is divided into two parts. The first part includes linear, exponential, and logarithmic functions and their applications. Linear and quadratic equations, inequalities, and conic sections are also studied. Properties of exponents are reviewed as well. The second part involves an in-depth study of right triangle trigonometry and trigonometric functions. Applications of trigonometric functions will be introduced.

MTH 234/235: FINANCIAL ALGEBRA: ADVANCED ALGEBRA WITH FINANCIAL APPLICATIONS

Prerequisite(s): Open to students that have completed MTH 220/221 or MTH 222/223 or with counselor approval.

Duration/Credit: One-Year Course; One Unit

Course Description: Financial Algebra applies Algebra I concepts in practical business and personal finance contexts, including selected topics from Algebra II and pre-calculus, credit, banking, income tax, car insurance, mortgages, investments, and retirement.

MTH 240/241: PRE-CALCULUS HONORS

Prerequisite(s): Open to students who have completed MTH 222/223 with a "B" or better or who have completed MTH 232/233 with a "B" or better.

Duration/Credit: One-Year Course; One Unit

Course Description: The course is preparation for (AP) Calculus. It includes utilizing different techniques to solve and graph polynomial equations. Combinations, permutations, probability, statistics, series and sequences, and polar coordinates and their graphs will be studied. In addition, trigonometry, logarithms, analytical geometry, and functions will be studied in depth. Time permitting; the concept of limits will be introduced.

MTH 250/251: ADVANCED PLACEMENT (AP) STATISTICS

Prerequisite(s): Open to students who have completed or who are concurrently enrolled in MTH 222/223 or MTH 232/233.

Duration/Credit: One-Year Course; One Unit

Course Description: The purpose of the AP Statistics course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring and organizing data – describing patterns and departures from patterns; sampling experimentation – planning and conducting a study; anticipating patterns – exploring random phenomena using probability and simulation; and statistical inference – estimating population parameters and testing hypotheses. Calculator and computer technology will be used extensively in this course.

MTH 260/261: ADVANCED PLACEMENT (AP) CALCULUS BC

Prerequisite(s): Open to students who have completed MTH 240/241 with a “B” or better.

Duration/Credit: One-Year Course; One Unit

Course Description: Calculus BC is an extension of Calculus AB. It includes all the topics taught in Calculus AB plus these additional topics: analysis and derivatives of polar and vector functions, Euler’s method, area of regions bounded by polar curves, length of a curve, simple partial fractions, improper integrals, solving logistic differential equations, series, convergence and divergence, Taylor series, Maclaurin series, functions defined by power series, radius and interval convergence of power series, and Lagrange error bound for Taylor polynomials.

MTH 264/265: CALCULUS III: EARLY TRANSCENDENTALS

Prerequisite(s): Open to students who have successfully completed MTH 260/261.

Duration/Credit: One-Year Course; One Unit

Course Description: The course is a continuation of AP Calculus. Students will be able to calculate dot products, crossed products; find partial derivatives of functions of several variables. Students will be able to solve optimization problems. Students will be able to setup and evaluate double and triple integrals. Students will be able to work with vector fields; e.g. compute the curl and divergence. Students will be able to use integral theorems of multivariable calculus: e.g. Green’s theorem.

MODERN AND CLASSICAL LANGUAGES

Bishop Manogue Catholic High School's requirement of at least two high school years of a classical or modern language rests on the firm belief that direct acquaintance, through language, with the culture and people of other lands is a psychological and intellectual resource of inestimable value for each individual, for every country, and for our common world. The diploma requirement is usually satisfied by successful completion, in one language, of four terms (2 years). Most Bishop Manogue Catholic High School students continue their language study beyond the second year, and some add a second or even a third language to their program.

In the case of modern languages, the world language is the language of the classroom. In conversation, in reading, and in writing, the goal is direct communication in the world language rather than communication through translation. At all levels of instruction, attention is focused both on language skills and on the literature, history, and various art forms of the people whose languages are being studied.

Newly admitted students may be placed in higher course levels based on the results of a Challenge Exam.

Some colleges require three or more years of a foreign or modern spoken language. Please check college admissions requirements as there may be college admissions implications for taking a two-year sequence versus language offerings of three or more years.

FRE 540/541: FRENCH I

Prerequisite(s): Open to students in grades 9 through 12.

Duration/Credit: One-Year Course; One Unit

Course Description: The study of French at this level introduces the sound system, vocabulary, grammar, and culture. This course will help the student reach a level of proficiency in French, which allows the student to express herself/himself freely, ask and answer questions, and participate in short conversations. This will be done in the context of everyday survival topics and courtesy requirements. Students will be required to continually strive for the proficiency outlined above by actively participating in the four areas of foreign language: listening, writing, reading and speaking. At this level, the latter two areas will be stressed within the course context.

FRE 542/543: FRENCH II

Prerequisite(s): Completion of FRE 540/541 or placement from Challenge Exam.

Duration/Credit: One-Year Course; One Unit

Course Description: This class is a continuation of the French I program objectives. Speaking and basic reading will again be stressed with an added emphasis on listening in order to prepare students for active interaction with French-speaking people.

FRE 544/545: FRENCH III HONORS

Prerequisite(s): Completion of FRE 542/543 or placement from Challenge Exam.

Duration/Credit: One-Year Course; One Unit

Course Description: The goal of French III Honors is to complete all of the verb tenses as well as to prepare the students for French IV AP. In this fast-paced class, students will complete Discovering French Rouge book, focusing on grammar, reading, writing, and speaking. Reading activities will vary from basic to advanced short readings and literary passages. Writing activities will include essays, and speaking activities will include presentations on impressionism and Francophone African countries. Focus will be given to fluency and pronunciation. Students will listen to audio presentations to enhance oral comprehension.

FRE 548/549: ADVANCED PLACEMENT (AP) FRENCH LANGUAGE AND CULTURE

Prerequisite(s): Completion of FRE 544/545 or placement from Challenge Exam.

Duration/Credit: One-Year Course; One Unit

Course Description: AP French IV will prepare students to take the AP French exam. The first semester will be spent covering grammar concepts in depth and teaching students how to use those concepts in a way that produces more native-like speaking abilities. The second semester will be spent working on vocabulary, common idioms, phrases, clichés that are commonly used in French speaking countries, and native sentence structure. Throughout the whole year, a large emphasis will be placed upon speaking, listening, reading, and writing. Students will take oral and written exams that mimic the AP exam and they will listen to

native speakers in order to prepare for the listening portion of the exam. This course demands the highest level of commitment from its students, as it will require extensive studying in and outside of class. The entire class will be taught and conducted in French and the students are expected to communicate in French.

LTN 554/555: LATIN III HONORS

Prerequisite(s): Completion of LTN 552/553 or placement from Challenge Exam.

Duration/Credit: One-Year Course; One Unit

Course Description: Latin III Honors finishes the study of intermediate Latin vocabulary and grammar and begins to analyze style, literary devices, rhetorical strategies, and syntax on a much more advanced level. In addition essential remaining grammatical concepts are taught, and students begin translating authentic and challenging prose pieces by Roman authors, starting with *De Bello Gallico* by Julius Caesar and moving on to readings by Pliny, Aulus Gellius, Sallust and the orations of Cicero. Beyond this robust academic curriculum, students will be expected to complete an individual translation-research project on a selected Roman author, teaching several lines of authentic Latin literature, complete with cultural background and implications, to the class.

LTN 558/559: ADVANCED PLACEMENT (AP)-LATIN

Prerequisite(s): Completion of LTN 554/555 or placement from Challenge Exam.

Duration/Credit: One-Year Course; One Unit

Course Description: AP Latin is designed to provide advanced high school students with a rich and rigorous Latin course, approximately equivalent to an upper-intermediate (typically fourth or fifth semester) college or university Latin course. After successfully completing the course, students will be able to read, understand, translate, and analyze Latin poetry and prose. Students will learn to prepare and translate the required Latin readings with an accuracy that reflects precise understanding of the Latin in all its details; they will also read and comprehend unfamiliar passages at sight, even if not with full understanding of every detail. These two types of study powerfully reinforce each other. The course thus allows time for regular, sustained, and integrated practice at sight-reading.

SPA 500/501: SPANISH I

Prerequisite(s): Open to grades 9-12.

Duration/Credit: One-Year Course; One Unit

Course Description: This course is a basic introduction to the Spanish language. It is designed to present students who have never taken a foreign language with the foundations for language learning. Students will be introduced to basic grammar, vocabulary, and cultural concepts. English grammar, as well as Spanish grammar, will be explained, and the two languages will be shown in constant juxtaposition in order to help students make connections between their native language and the language being learned. This course focuses on developing proficiency in the target language through the four domains of language: reading, writing, listening, and speaking. Each skill will be developed and reinforced through daily conversation, reflection, and application in the target language. Students will apply their knowledge in a wide range of performance tasks such as interpersonal communication, compositions, projects, and formal communication assessments.

SPA 510/511: SPANISH II

Prerequisite(s): Completion of SPA 500/501 or placement from Challenge Exam.

Duration/Credit: One-Year Course; One Unit

Course Description: Spanish II will build on all of the concepts presented in Spanish I to complete the introduction to the Spanish language. Students will be introduced to new vocabulary as well as more challenging grammatical concepts such as the past and imperative tenses, the subjunctive mood, and other concepts dealing with pronouns, adjectives, and adverbs. Speaking and listening abilities will be enhanced, and more reading and writing will take place in the target language. This course focuses on developing proficiency in the target language through the four domains of language: reading, writing, listening, and speaking. Each skill will be developed and reinforced through daily conversation, reflection, and application in the target language. Students will apply their knowledge in a wide range of performance tasks such as interpersonal communication, compositions, projects, and formal communication assessments.

SPA 522/523: SPANISH III HONORS

Prerequisite(s): Completion of SPA 510/511 or placement from Challenge Exam.

Duration/Credit: One-Year Course; One Unit

Course Description: Spanish III Honors will build on knowledge presented in Spanish II. Students will speak in Spanish, read authentic texts, and be introduced to more complex grammatical structures. Students will be required to write three compositions each semester. Two will be in class and one will be written outside of class. Compositions will include vocabulary and grammar being studied at the time. Students will be required to complete a project each semester enhancing their speaking, writing, listening, and reading while incorporating their own creativity.

Course Expectations: Students entering Spanish III Honors should be preparing to take AP Spanish the following school year. Course work will be demanding and students will be expected to express themselves in Spanish, understand intermediate to advanced level conversations, understand and analyze literary works, as well as constantly interact with authentic texts and broadcasts. The class will be conducted almost exclusively in Spanish, with some grammar explanation in English, when needed.

SPA 534/535: ADVANCED PLACEMENT (AP)- SPANISH LANGUAGE AND CULTURE

Prerequisite(s): Completion of SPA 522/523 or placement from Challenge Exam.

Duration/Credit: One-Year Course; One Unit

Course Description: AP Spanish Language and Culture course is a rigorous class taught exclusively in Spanish that requires students to improve their proficiency across the three modes of communication to prepare students to pass the AP Spanish exam in early May. The course is organized around six overlapping themes: families and communities; contemporary life; beauty and aesthetics; science and technology; global challenges; and personal and public identities. Each semester will cover 3 of the themes, with the focus on being the students integrating authentic resources including online print, audio, and audiovisual resources; as well as traditional print resources that include literature, essays, and magazine and newspaper articles; and also a combination of visual/print resources such as charts, tables, and graphs; all with the goal of providing a diverse learning experience. Through reading, writing, speaking and listening, students gain a deeper understanding for the cultures and people of the Spanish-speaking world through their practices, products and perspectives. When communicating, students demonstrate an understanding of the culture(s), incorporate interdisciplinary topics (Connections), make comparisons between the native language and the target language and between cultures (Comparisons), and use the target language in real-life settings (Communities).

NATURAL SCIENCE, COMPUTER SCIENCE, AND TECHNOLOGY

To participate fully in society, citizens require knowledge of scientific issues and an understanding of how those issues relate to their lives. People who are broadly educated and who have special expertise in the sciences are vital to the well-being of our planet and its inhabitants.

Students are required to complete a minimum of two years in laboratory sciences, and two years in science electives.

LABORATORY SCIENCE COURSES

BIO 310/311: BIOLOGY

Prerequisite(s): Open to students in grades 9 and 10 who placed through the freshman HSPT exam or who transfer in.

Duration/Credit: One-Year Course; One Unit

Course Description: A laboratory course following a theme of biological evolution. The class starts with the scientific method and from there goes into the following areas: basic chemistry, biochemistry, cytology, genetics, fermentation and energy use, photosynthesis, respiration, evolution, taxonomy, origins of new species, and ecology. We will also survey the five kingdoms and discuss the following areas: respiration, digestion, circulation, nervous systems, skeletal system, and muscular system. Ecology and environmental sciences will also be an ongoing theme throughout the whole year.

BIO 312/313: BIOLOGY HONORS

Prerequisite(s): Open to students in grade 9 who placed in the class based on the freshman HSPT.

Duration/Credit: One-Year Course; One Unit

Course Description: This course will move at a faster pace and will require more reading and writing from the student. The same topics, which are listed in the Biology course description will be taught but in more detail. The students will also have more writing assignments, especially during the lab portions of this course.

BIO 316/317: ADVANCED PLACEMENT (AP) BIOLOGY

Prerequisite(s): Open to students in grades 11-12 who have completed BIO 312/313 and CHM 322/323 with a B or better in each semester. Students are recommended to have completed Microbiology Honors or Human Anatomy & Physiology. Completion or concurrent enrollment in Algebra II/Trigonometry Honors.

Duration/Credit: One-Year Course; One Unit

Course Description: This is a college level course, which will challenge the best students. Topics to be covered include biochemistry, cell and molecular biology, genetics, evolution, biotechnology, ecology, immunology, organismic biology, and environmental sciences.

BIO 318/319: HUMAN ANATOMY AND PHYSIOLOGY

Prerequisite(s): Open to students in grades 10-12.

Duration/Credit: One-Year Course; One Unit

Course Description: The course will investigate both the anatomical and physiological aspects of the human body. Course goal will be accomplished through lectures, laboratory activities, class projects and individual study. During the course, the major body systems will be investigated with an emphasis on physiology and medical issues.

BIO 350/351: MICROBIOLOGY HONORS

Prerequisite(s): Open to students in grades 10-12 who have earned a B or better in Biology Regular/Honors and Chemistry Regular/Honors.

Duration/Credit: One-Year Course; One Unit

Course Description: This course will investigate the Microbial world in which we live in. Students will be learning about Bacteria, Viruses, Fungi, and Protists. This course will be taught at the college level so students should be prepared to spend time outside of school completing both reading and written assignments. There is a substantial amount of time in the laboratory and students are expected to participate and write up lab reports. Students will gain basic understanding of microbiology with an emphasis on

determining what microorganisms are, what they do, and how they can be controlled. Bacteriology of food, water, soil, and infectious disease will be studied.

CHM 320/321: CHEMISTRY

Prerequisite(s): Completion of Biology or Biology Honors.

Duration/Credit: One-Year Course; One Unit

Course Description: This class is an introductory course in the basic concepts of modern chemistry. The course will focus on properties of elements and compounds, stoichiometry, electronic structure of atoms, the periodic table, chemical bonding, chemical kinetics, acids and bases, and descriptive chemistry of more common elements. An accompanying laboratory will be used to teach conceptual and hands-on applications of concepts in the classroom. Basic laboratory techniques and safety will be included in the laboratory activities.

CHM 322/323: CHEMISTRY HONORS

Prerequisite(s): Completion of Biology Honors with a "B" or better and must be on the mathematics honors track.

Duration/Credit: One-Year Course; One Unit

Course Description: Students will be introduced to the basic concepts of Modern Chemistry, which include properties of elements and compounds, stoichiometry, electronic structure of the atom, the periodic table, bonding, chemical equations, chemical kinetics, acids and bases, and organic chemistry. An accompanying lab will be used to teach both conceptual and hands-on applications. Basic lab techniques and safety will be included as part of the lab. This course is a prerequisite for AP Chemistry and the material will be covered at an accelerated rate.

CHM 270/271 with Lab 272/273: ADVANCED PLACEMENT (AP) CHEMISTRY

Prerequisite(s): Open to students in grades 11-12 who have completed Chemistry Honors with an B or better in each semester, and either concurrent enrollment or completion of Pre-Calculus Honors.

Special requirement: In addition to the weekly class meeting, this course requires an extra class meeting each week during Miner Block afterschool in effort to complete the required labs tested on the AP Chemistry exam. The duration of the lab time will vary depending upon the time involved for completion. Laboratory attendance is mandatory. The labs are complex, take a great deal of time to set-up, and complete. As a result, missed labs for any reason is greatly discouraged. A student may not be able to make up the lab, which may affect the student's course grade, and/or score on the AP exam because of missed instruction.

Duration/Credit: One-Year Course; One Unit

Course Description: This is a college level course, which includes higher-level study in all areas of Chemistry. Considerable emphasis will be placed on the mathematical aspects of Chemistry including electronic structure, stoichiometry, ionization potentials, dissociation constants, reaction equilibrium, kinetics, and thermodynamics.

PHY 332/333: PHYSICS HONORS

Prerequisite(s): Open to grades 11 and 12 and completion of Algebra II or concurrent with Algebra II Honors.

Duration/Credit: One-Year Course; One Unit

Course Description: This class is an introductory college preparatory course in Physics. This course is based on a qualitative study of central concepts of Physics. Emphasis is on mental imagery that relates to things and events that are familiar in the everyday environment. Special areas of emphasis include mechanics, properties of matter, energy, sound, light, wave theory, electricity, magnetism, Atomic Theory, and nuclear physics. Laboratory assignments will be used to teach conceptual and hands-on applications of concepts from the text. Basic laboratory techniques, analysis, and safety procedures will be included in the laboratory activities. Students will be able to use the ideas of Physics to explain the everyday world.

PHY 334/335: ADVANCED PLACEMENT (AP) PHYSICS 1

Prerequisite(s): Open to grades 11 and 12 and completion of Algebra II or concurrent with Algebra II Honors.

Duration/Credit: Year Course; One Unit

Course Description: AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. This course requires that instructional time be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

SCIENCE ELECTIVE COURSES

GEO 304/305: GEOLOGY

Prerequisite(s): Biology or Chemistry. Open to students in grades 10-12.

Duration/Credit: One-Year Course; One Unit

Course Description: This course will be an introduction to both physical and historical geology. We will examine geological concepts and processes with a focus on the local geology of the Great Basin and the Sierra Nevada mountains, and how geology and mining are important to our state and local community. Starting with minerals and rocks, we will work our way up to discussing the theory of Plate Tectonics and how it explains the landforms we see every day on our way to school, as well as the earthquakes that wake us from sleep at times. Students will learn about Earth's history and the geologic time scale and how fossils and radioactivity help to shape our understanding of Earth's history. Field trips to local sites of geological interest may be used to enhance our understanding of the concepts discussed in class.

EGR 352/353: INTRODUCTION TO ENGINEERING DESIGN HONORS

Prerequisite(s): Completion or concurrent enrollment in a physics course.

Duration/Credit: One-Year Course; One Unit

Course Description: Introduces engineering design, professional ethics, project planning, prototype fabrication, engineering creativity, and overview of engineering disciplines. Student teams undertake a term-long design project.

ENV 360/361: ADVANCED PLACEMENT (AP) ENVIRONMENTAL SCIENCE

Pre-requisite(s): Open to students in grades 11-12 who have completed Biology and Chemistry with a B in each semester.

Duration/Credit: One-Year Course; One Unit

Course Description: This is a college level course, which explores and studies the fundamental processes and principles that determine how the world works, how human activities influence systems and what courses of action humans can follow to live sustainably. The course provides an in-depth analysis and exploration of living world, populations, natural resources, energy, sustainability, and global change.

SCI 712/713: INTRODUCTION TO COMMUNITY HEALTH SCIENCES

Prerequisite(s): Open to students in grades 10 through 12 who have successfully completed the regular Health class.

Duration/Credit: One Year; One Unit.

Course Description: This class takes a more in-depth look at some of the topics discussed in the regular Health class. Class topics include nutrition, relationships, anti-bullying, stress management, substance abuse, teen pregnancy, STDs and abstinence. We will also learn how one's spirituality can help inform appropriate decision-making when faced with challenging situations.

SPECIAL TOPICS ELECTIVE COURSES

CSP 356/357: ADVANCED PLACEMENT (AP) COMPUTER SCIENCE PRINCIPLES

Pre-requisite(s): Open to students in grades 9-12. Students completing AP CSP for state computer credit are not required to take the AP exam. Students must decide if he/she is taking the AP exam by November 1.

Duration/Credit: One-Year Course; One Unit

Course Description: AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

PHYSICAL EDUCATION, HEALTH, AND SPORTS MEDICINE

All students must successfully complete four semesters of physical education and one semester of health.

HLT 710: HEALTH

Prerequisite(s): Open to students in grades 9 through 12.

Duration/Credit: One Semester; One-Half Unit.

Course Description: This required course emphasizes the basic health needs of today. Course content includes areas in personality development, body structure and function, family health, growth, and development, an understanding of human sexuality within a context of Christian values and morals, education regarding alcohol and drugs, disease prevention, and an awareness of community resources and needs.

PEH 700/701: PHYSICAL EDUCATION

Prerequisite(s): Open to all students in grades 9-12.

Duration/Credit: One Semester; One-Half Unit. May be repeated for credit.

Course Description: This course is designed to teach the skills necessary to develop and/or improve physical conditioning. Through active participation in a variety of activities, such as but not limited to, flag football, volleyball, basketball, softball, badminton, and running, students will improve their individual fitness level and learn the skills to help them continue to live a fit, active lifestyle. The course will also expose students to the fundamentals of cross training and circuit training.

PEH 704/705: ATHLETIC STRENGTH & CONDITIONING/WEIGHT TRAINING (MALE STUDENTS)

Prerequisite(s): Open to male students in grades 9 through 12. Priority enrollment will be given to student-athletes.

Duration/Credit: One Semester; One-Half Unit. May be repeated for credit.

Course Description: This strength and conditioning/weight training course is designed for students who plan to participate in BMCHS sports or have an interest in physical fitness. The latest techniques for strength development will be introduced along with emphasizing physical fitness. Students will also explore conditioning for injury prevention. Students taking this class need to possess self-motivation and a good work ethic.

PEH 708/709: ATHLETIC STRENGTH & CONDITIONING/WEIGHT TRAINING (FEMALE STUDENTS)

Prerequisite(s): Open to female students in grades 9 through 12. Priority enrollment will be given to student-athletes.

Duration/Credit: One Semester; One-Half Unit. May be repeated for credit.

Course Description: This strength and conditioning/weight training course is designed for female students who plan to participate on BMCHS sports or who have an interest in physical fitness. The latest techniques for strength development will be introduced along with emphasizing physical fitness. Students will also explore conditioning for injury prevention. Students taking this class need to possess self-motivation and a good work ethic.

PEH 724/725: MEDITATION AND STRETCHING

Prerequisite(s): Open to students in grades 9 through 12.

Duration/Credit: One semester; One-half Unit.

Course Description: Through the flow of basic to intermediate poses, students will learn how to keep the body toned, strong and flexible while also examining their faith through breathing exercises and reflection. May be repeated for credit. Enrollment will be capped and priority enrollment will go to upperclassmen. Students are expected to participate in all activities to the best of their ability and to strive for improvement on a daily, weekly, and monthly basis.

SPM 720/721: KINESIOLOGY I

Prerequisite(s): Open to students in grades 10, 11 and 12. Does not satisfy the PE credit requirement.

Duration/Credit: One-Year Course; One Unit

Course Description: This class is an introduction in the field of sports medicine. Students will learn basic taping techniques, the athletic training facility design, and how to recognize common injuries to bones and joints in the body. We will discuss the mechanism of injury, common treatment, and rehabilitation for those injuries. Students will also become comfortable with wound care, splinting injuries, and cardiopulmonary resuscitation (CPR).

SPM 722/723: KINESIOLOGY II

Prerequisite(s): Open to students in grades 11 and 12; completion of Kinesiology I. Does not satisfy the PE credit requirement.

Duration/Credit: One-Year Course; One Unit

Course Description: This class is an advanced course in sports medicine. Students will build from the basics learned in Kinesiology I into more detailed, college level work in the prevention, recognition, and treatment of athletic injuries. Topics in this class include, cardiovascular health, sport psychology, environmental concerns, therapeutic modalities, and proper nutrition for athletes and athletic performance.

SPECIAL TOPICS

ASB 1040/1041: LEADERSHIP*

Prerequisite(s): Open to students in grades 9-12. Enrollment may be capped.

Duration/Credit: Semester course; One-half unit

Course Description: The Youth Engaged in Leadership Learning (YELL) program, from which this curriculum is based, was developed by the John W. Gardner Center for Youth and Their Communities (JGC) in October 2000. Through this course, students will learn about their communities and tap into their own strengths and ideas to lead school efforts. YELL's guiding framework is community youth development. When a community views young people as resources and deliberately invests its institutional and organizational resources in promoting the positive development of young people within and across contexts, it is taking a community youth development approach. The activities in this curriculum encourage skill and knowledge building around three areas, all common to diverse styles of leadership: 1) Communication and Interpersonal skills, 2) Analytic and Critical Reflection, and 3) Positive Involvement in Schools and Community Affairs.

*This course may only be offered depending on the number of students enrolled and availability of adequate resources.

ASB 1042/1043: ASSOCIATED STUDENT BODY CABINET (ASB)

Prerequisite(s): Please visit the ASB website for specific requirements: <https://www.bishopmanogue.org/students-parents/students/student-leadership/>

Duration/Credit: One-Year Course; One Unit. Course may be repeated for credit.

Course Description: The ASB Cabinet, or student government, serves Bishop Manogue Catholic High School by voicing and addressing student opinions and needs, upholding the BMCHS ASB constitution, overseeing the expenditures of student funds, raising funds as needed, supporting and recognizing campus clubs and organizations, and sponsoring many school-wide programs and events. Students will also learn leadership skills through meaningful curriculum on effective organization, planning, events management, presentation skills, communication, and other important topics. The primary goals of ASB are to create a memorable experience for all students on campus, to promote unity and spirit, and to grow as student leaders. ASB actively works to ensure that student activities and campus life are alive and well. This course requires a significant amount of organization, planning, and outside school attendance at on/off campus events.

ILC 060/061: ACADEMIC SEMINAR (INTEGRATED LEARNING CENTER)

Prerequisite(s): Open to students in grades 9 through 12 who qualify for the integrated Learning Center through the admissions process or through a qualifying eligibility meeting.

Duration/Credit: Semester or Year; One-Half Unit each semester. May be repeated for credit.

Course Description: The purpose of the course is to assist students formally identified with a learning difference to achieve success within the Bishop Manogue Catholic High School curriculum. Academic Seminar and other services offered through the Integrated Learning Center are intended to assist students in establishing learning compensatory strategies that aid in the learning process.

SPEC 070/071: STUDY HALL

Prerequisite(s): Open to grades 9-12 with administrative approval.

Duration/Credit: One Semester; One-Half Unit (Offered Fall & Spring Semesters) This course is recorded as Credit or No Credit on the student's transcript.

Special Note: This course is a privilege. Students are expected to be productive.

Course Description: Study Hall provides a designated academic period to provide students with an opportunity to complete assignments and access school resources. Students are assigned a supervisor; however, this is non-instructional period. Students are required to adhere to behavioral and academic expectations in order to earn credit and remain in the class.

*This course may only be offered depending on the number of students enrolled and availability of adequate resources.

THEOLOGY

The Bishop Manogue Catholic High School religion curriculum follows the United States Conference of Catholic Bishops (USCCB) recommended curricular framework and approved anchor textbooks/materials.

All students must complete eight semesters of theological study in the approved course sequence.

THL 600 (Fall): REVELATION OF JESUS CHRIST IN SCRIPTURE

Prerequisite(s): 9th grade students who have not previously attended a Catholic Partner school.

Duration/credit: One-Semester Course; One-Half Unit

Course Description: The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures and how the Catholic Church responds to them. Through their study of the Bible, they will come to encounter the living Word of God, Jesus Christ through the unfolding of Salvation History in key Old Testament covenants. In the course, they will learn about the Bible, authored by God through Inspiration, and the way in which God is revealing Himself to His people. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major movements within the unfolding of Salvation History, all told through Sacred Scripture. The students will pay particular attention to the 5 Major Covenants from Adam and Eve until the birth of Christ. Thus, they may grow to know and love Jesus Christ more personally by seeing His presence prepared and foretold by the People of Israel and God's interaction with them.

THL 601 (Spring): WHO IS JESUS CHRIST

Prerequisite(s): 9th grade students who have not previously attended a Catholic Partner school. Completion of THL 600.

Duration/credit: One-Semester Course; One-Half Unit

Course Description: The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, and the Second Person of the Blessed Trinity through an overview of the New Testament, particularly the Gospel narratives. In this course, students will understand that Jesus Christ is the ultimate Revelation to us from God who reveals himself through His identity, His actions, His teachings, and ultimately His death and resurrection. In learning about who He is, the students will also learn who He calls them to be.

Students are required to complete 25 Christian service hours by May 1st of the school year as well complete a comprehensive paper that addresses the FAITH tenet of the school's mission.

THL 602 (Fall): THE MISSION OF JESUS CHRIST

Prerequisite(s): Students must be in the 10th grade. Completion of THL 600/601 or THL 608/609.

Duration/credit: One-Semester Course; One-Half Unit

Course Descriptions: The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

THL 603 (Spring): JESUS CHRIST'S MISSION CONTINUES

Prerequisite(s): Students must be in the 10th grade. Completion of THL 602.

Duration/credit: One-Semester Course; One-Half Unit

Course Descriptions: The purpose of this course is to help the students understand that in and through the Church, they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements, including the Four Marks of the Church. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church.

Students are required to complete 25 Christian service hours by May 1st of the school year as well complete a comprehensive paper that addresses the KNOWLEDGE tenet of the school's mission.

THL 604 (Fall): SACRAMENTS AS PRIVILEGED ENCOUNTERS WITH JESUS CHRIST

Prerequisites: Students must be in the 11th grade. Completion of THL 603.

Duration/credit: One-Semester Course; One-Half Unit

Course Descriptions: The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail to learn how they may encounter Christ throughout life.

THL 605 (Spring): LIFE IN JESUS CHRIST

Prerequisites: Students must be in the 11th grade. Completion of THL 604.

Duration/credit: One-Semester Course; One-Half Unit

Course Descriptions: Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

Students are required to complete 25 Christian service hours by May 1st of the school year as well complete a comprehensive paper that addresses the LEADERSHIP tenet of the school's mission.

THL 606 (Fall): LIVING AS A DISCIPLE OF JESUS CHRIST IN SOCIETY

Prerequisite(s): Students must be in the 12th grade. Completion of THL 605.

Duration/credit: One-Semester Course; One-Half Unit

Course Description: The purpose of the this course is to introduce students to the Church's social teaching. In this course, students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission.

THL 607 (Spring): RESPONDING TO THE CALL OF JESUS CHRIST

Prerequisite(s): Students must be in the 12th grade. Completion of THL 606.

Duration/credit: One-Semester Course; One-Half Unit

Course Description: The purpose of this course is to help students understand the vocation of life: how Christ calls us to live and to actively serve our community with compassion and desire. The course includes focus around married life, single life, priestly life, and consecrated life. Students should learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

Students are required to complete 30 Christian service hours by May 1st of the school year as well complete a comprehensive paper that addresses the COMPASSION tenant of the school's mission.

VISUAL AND PERFORMING ARTS

The visual arts program emphasizes artistic thinking and the development of creative thinking in relation to the techniques of a medium, history of visual ideas, and expressive potential of one's own experience and culture. Students have the opportunity to explore particular areas in depth on both the introductory and advanced levels.

Visual Arts courses may require a visit to the Nevada Museum of Art each semester.

Music provides opportunities for participation in vocal and instrumental groups and offers a course in music theory. The purpose of the music offerings is the cultivation of a lasting appreciation of music and the personal enrichment brought about through participation, study and performance. Music students also have the opportunity to audition for the NMEA Music Festivals, National/International Performance, Honor Ensembles, and other music competitions.

Theatre and Dance offers students diverse opportunities to develop skills in all aspects of performance and production. Although the department houses two distinct disciplines, theatre and dance, they share a mutual goal: to guide students toward an understanding of performance as a form of communication and expression. The theatre program is designed to educate students in the theory, design, and practice of dramatic expression. Our curriculum is grounded in the study of drama through experiential learning. Students enrolled in all theater courses are required to attend and participate in the Live Nativity and Spring Musical events as well as rehearsals before and after school. Exceptions may be granted in the sole discretion of the Theater instructor.

ART 800/801: MIXED MEDIA I and II

Prerequisite(s): Open to students in grades 9 through 12.

Duration/Credit: One year; One Unit

Course Description: This one-year course introduces students to the techniques of drawing, paint, and contemporary media as an extension of the creative experience. Students will learn a step-by-step approach to drawing pencil marks, tone, texture perspective, the use of acrylics, color, tone, 3D, and more.

ART 804/805: DRAWING I: METHODS AND MATERIALS and DRAWING II: FURTHER EXPLORATIONS

Prerequisite(s): Open to students in grades 9 through 12.

Duration/Credit: One year; One Unit

Course Description: Using real life objects as models, this class focuses on drawing from observation rather than from a photograph. In this course, based on *Drawing on the Right Side of the Brain*, by Betty Edwards, students will be introduced to beginning drawing techniques such as shading, upside-down drawing, positive and negative space, the line of symmetry, and contour drawing.

This second semester course focuses on drawing the human form in a realistic way. The clothed figure will be drawn from photos and from observation, developing three-dimensional drawing skills. Shading, proportion, and foreshortening will be studied. Contour drawing, gesture drawing and portraiture will be explored. Students will model for each other in portrait drawing sessions. The head, hands and feet will be studied. Graphite, colored pencil, charcoal, and pastels may be used. Projects may include portraits of other students in the class, self-portraits, and works based on photographs of friends taken by the students, in normal dress and in costume.

ART 808/809: PAINTING I: PAINT, PALETTE, AND PROCESS and PAINTING II: INSIDE-OUTSIDE

Prerequisite(s): Open to all students in grades 9 through 12.

Duration/Credit: One year; One Unit

Course Description: Develop skills with the basic elements of painting in acrylics and watercolor as you explore different approaches to generate ideas for paintings. Learn how dots become complex abstract compositions or how the game of Pictionary prompts surreal spaces. Working from both the imagination and observation, specific projects are assigned to facilitate the study of fundamental paint handling, color mixing, and blending. Issues of form and space relationships, composition, and development of ideas are addressed in balance with the student's desire for self-expression.

Paraphrasing Henri Matisse, Painting II will explore "not how to paint things but how to paint the difference between things." Painting and drawing from both the imagination and observation. To broaden the definition of what paintings can be, students may combine traditional methods and materials with collage and mixed media while developing a series of related pieces. Emphasis is placed on cultivating solid technical skills with light, color, and form as well as inventive and challenging approaches to subjects that encourage artistic growth.

ART 810/811: SCULPTURE I: CLAY AND ANCESTRAL POTTERY and SCULPTURE II: CLAY, PLASTER, AND WELDED WIRE
Prerequisite(s): Open to students in grades 9 through 12. Priority enrollment will go to upperclassmen.

Duration/Credit: One year; One Unit

Course Description: This course explores ceramics from a variety of perspectives, including archaeology, geology, and studio art. As a studio class, students will experiment with a range of hand-building techniques while answering studio assignments. The aesthetics of form and surface will be a principle focus. In addition, this class will investigate clay from the perspective of geology, archaeology, and human evolution.

Students in Sculpture II will explore a variety of sources and materials and, in some cases, found objects. Through the process of sculpting in clay and building with wire, students will develop technical and conceptual skills for working and thinking three-dimensionally. Projects will involve a creative investigation of the expressive potential of materials, structure, imagery, and context through a process of careful observation, experimentation, making, and reflecting.

ART 812/813: ADVANCED PLACEMENT (AP) ART HISTORY

Prerequisite(s): Open to students in grades 10-12 who have completed one full year art course.

Duration/Credit: One-Year Course; One Unit

Course Description: The AP Art History course is equivalent to a two-semester introductory college course that explores the nature of art, making, and responses to art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the course fosters in-depth, holistic understanding of the history of art from a global perspective. Students become active participants in the global art world, engaging with its forms and content. They experience, research, discuss, read, and write about art, artists, art making, responses to, and interpretations of art.

*This course may only be offered depending on the number of students enrolled and availability of adequate resources.

ART 816/817: DIGITAL PHOTOGRAPHY I: APPRECIATING LIGHT, COLOR, AND TIME and DIGITAL PHOTOGRAPHY II: ADVANCED PHOTOGRAPHIC PORTFOLIO

Prerequisite(s): Open to students in grades 9 through 12. Enrollment is limited and priority will be given to upperclassmen.

Special Requirement: Please be aware that you are required to have your own SLR or DSLR camera that will allow you to use manual settings on shutter speed as well as DOF or Depth of Field settings. Cell phones, iPad or point and shoot cameras will not be permitted.

Duration/Credit: One year; One Unit

Course Description In this introductory digital photography course, students will examine the concept of beauty in the environment and how an audience may appreciate the poetic and contemplative experience of a photograph. Small projects each week enable students to exercise a number of the creative controls in good camerawork using DSLR cameras. Students will be guided through a workflow process to adapt to a regular photographic practice. Non-destructive editing, adjustments, retouching, and composite imagery also will be explored as will introductory studio lighting. Students will have the opportunity to edit from each small project to construct small print and digital portfolios by term's end.

Digital Photography II will exercise students' working knowledge of DSLR workflow and nondestructive editing. This advanced photography opportunity is designed for students who wish to go deeper in the development and tightly edited execution of a self-motivated thematic photography portfolio. Additionally, there will be demonstrations on creating and printing from digital negatives and some advanced studio lighting work. Editorial guidance in the production of a well-defined project will be provided for print, installation, digital, and/or e-book portfolios.

ART 818/819: DIGITAL PHOTOGRAPHY III HONORS and IV HONORS: PHOTOGRAPHIC EYE: IDENTITY AND CULTURE

Prerequisite(s): Open to students in grades 10 through 12. Digital Photography 816/817 completed or prior photography class required.

Duration/Credit: One year; One Unit

Course Description: This course will investigate contemporary fine art photography, which will provide the backdrop for which students will learn to use photography as a creative tool through an array of photographic camera techniques and editing approaches. We will explore how the act of deliberately making images can help one to think in new ways. Additionally, we will investigate the importance of what images are printed on and how that informs the meaning of a creative work. Students will complete 10 creative photographic projects, one argumentative paper, oral presentation on a contemporary artist, written observations, and participation.

ART 820/821: GRAPHIC DESIGN AND PRINTMAKING I and II

Prerequisite(s): Open to students in grades 9 through 12.

Duration/Credit: One year; One Unit

Course Description: This is a one-year course in which students will express their original creativity visually and develop and showcase their ability to communicate ideas through a variety of graphic media. Students learn the basics of graphic design in preparation of original art combining typography, page layout, and integrated graphic elements. Instruction will be given in the following areas: Elements of art and principles of design; mechanical and computer design methods; printmaking; finishing of graphic products; and historical and cultural development of graphics and the printing industry. A portion of this course will include printmaking and screen-printing.

ART 826/827: STUDIO ART HONORS: SELF-DIRECTED STUDIO PROJECTS

Prerequisite(s): Open to students in grades 11 through 12 who have completed one full year art course or with instructor approval. This course is designed to begin your portfolio for AP Studio Art.

Duration/Credit: Year Course; One Unit

Course Description: This is a prerequisite for AP Studio Art (and should only be taken to advance to the following year's AP Studio Art course). This course will work with students on developing their technical skills and begin the process of their portfolio. At the end of this course, students will have three completed works of art pertaining to their sustained Investigation for the AP Studio course the following year.

ART 828/829: ADVANCED PLACEMENT (AP) STUDIO ART

Prerequisite(s): Open to students in grades 11-12 who have completed one full year art course and Studio Art Honors or with instructor approval. Student must be prepared to enroll in this course with a minimum of three artworks completed for the final portfolio.

Duration/Credit: One-Year Course; One Unit

Course Description: In the senior year, students' focus on the Concentration portfolio, creating art works, which have grown out of their exploration and experimentations in Honors Studio Art. At the end of April, students assemble their portfolios with a total of 24 works, which are submitted digitally to the College Board for the AP rating. 12 works of art, representing their development, compose the Breadth section of the portfolio. In the Concentration section of the portfolio, 12 works demonstrate their personal style and voice as an artist, with a strong underlying visual idea growing out of a coherent plan of investigation. Five actual, physical works are matted and sent to the College Board for evaluation, representing the Quality section of the portfolio. Students are expected to articulate the central theme of their concentration and discuss its development in a written commentary, which is submitted online, together with the digital images of their breadth and concentration portfolios. Students in AP Studio Art are REQUIRED to submit their portfolios and commentary for the AP Exam.

MUS 818/819: MUSIC AND TECHNOLOGY I and MUSIC AND TECHNOLOGY II

Prerequisite(s): Open to students in grades 9-12.

Credit/Duration: One-Year Course; One Unit

Course Description: Students explore and refine the use of music in various media platforms including film, television and visual arts to develop creativity, innovation, media literacy, information, communication and technology literacy. This course analyzes the uses of music from its humble beginning to current uses in developing media industries. Students create or perform music to accompany varying forms of media.

MUS 836/837: PERFORMANCE MUSIC

Prerequisite(s): Open to students in grades 9-12 that has had instrumental music experience on the instrument of their choice (a standard band instrument – wind or percussion OR strings) and is taking outside lessons or who will have substantial off-campus performance time.

Duration/Credit: One Year Course; One Unit. This class is Credit or No Credit and is skipped in the GPA calculation.

Course Description: This is a full year performance-based class for students in grades 9-12. Students enrolled in this course may choose to take off-campus lessons, represent the school at community concerts, school concerts and /or other music competitions. Instruments for this class may include woodwinds, brass, percussion, and stringed instruments. Course may be repeated for credit. Credit for the class is based on the amount of time spent on individual practice or performance. Hour logs must be turned into the Visual and Performing Arts Department Chair for semester recording.

MUS 838/839: BEGINNING STRINGS

Prerequisite(s): Open to students in grades 9-12.

Duration/Credit: One Year Course; One Unit.

Course Description: This course is designed for students who wish to develop basic strings playing skills, or expand on their existing skills. While playing, students will be working individually and in small groups to master the techniques of playing and to learn pieces. There will also be time spent in group instruction on musical notation and theory.

*This course may only be offered depending on the number of students enrolled and availability of adequate resources.

MUS 850/851: BEGINNING CHOIR

Prerequisite(s): Open to students in grades 9-12.

Duration/Credit: One-Year Course; One Unit

Course Description: This yearlong course is geared to any young musician looking to strengthen their vocal skills. Students will learn the proper techniques to enhance their singing abilities through study of solo repertoire spanning from classical to musical theatre. Students will learn to evaluate and how to constructively assess singing styles through listening during class time. Students will also learn to sing in a group setting. Students are required to practice outside of class and come to class prepared to sing as assignments are given. Each semester will conclude with a recital.

MUS 852/853: TREBLE CHOIR

Prerequisite(s): Open to female students in grades 9-12. This is an auditioned group for those, of all voice types, who have had at least one year of previous experience singing in a choral setting. Instrumental students or students who have experience with beat boxing are also encouraged and invited to join as there will be opportunity for collaboration throughout the year.

Duration/Credit: One-Year Course; One Unit

Course Description: Treble Choir is an advanced performance women's group. Acceptance to this group is on audition basis with the conductor and is open to grades 9-12. This group will primarily perform "classical" music of many different styles and languages. This music learned in this group will also cover many different periods and include seasonal and contemporary pop. The Treble Choir gives two main performances at the end of each semester and may be involved in competitions and festivals, as well as performing for various school events, private and public functions. This choir may also tour locally.

MUS 854/855: MEN'S CHOIR

Prerequisite(s): Open to male students in grades 9-12. This is an auditioned group for those, of all voice types, who have had at least one year of previous experience singing in a choral setting. Instrumental students or students who have experience with beat boxing are also encouraged and invited to join as there will be opportunity for collaboration throughout the year.

Duration/Credit: One-Year Course; One Unit

Course Description: Men's chorus offers a unique opportunity for young men to explore vocal technique in a group setting. Acceptance into this group is on an audition basis with the conductor. This group will primarily perform "classical" music of many different styles and languages. Young men in this chorus will also learn music from different periods and include seasonal and contemporary pop. Men's Chorus gives two main performances at the end of each semester and may be involved in competitions and festivals, as well as performing for various school events, private and public functions. This choir may also tour locally.

MUS 856/857: CHAMBER CHOIR HONORS

Prerequisite(s): Open to students in grades 9-12. This is an auditioned group for those, of all voice types, who have had at least one year of previous experience singing in a choral setting.

Duration/Credit: One-Year Course; One Unit

Course Description: This is a mixed chorus of highly motivated, serious and advanced music students consisting of Soprano, Alto, Tenor and Bass voices. This group will primarily perform "classical" music of many different styles and languages. This music learned in this group will also cover many different periods and include seasonal and contemporary pop. The Chamber Singers gives two main performances at the end of each semester and may be involved in competitions and festivals, as well as performing for various school events, private and public functions. This choir may also tour locally.

MUS 858/859: SHOW CHOIR HONORS (aka Green and Gold Singers)

Prerequisite(s): Open to students in grades 9-12. This is an auditioned group for those, of all voice types, who have had at least one year of previous experience singing in a choral setting.

Duration/Credit: One-Year Course; One Unit

Course Description: This yearlong course is for the *highly motivated, serious, and advanced music students*. Entrance is by AUDITION ONLY at the discretion of the director. A Capella/Jazz Choir is designed to build upon the singing skills, multi-part singing, sight-reading, and other musicianship skills acquired in Concert and/or Mixed Choirs. Green and Gold Chorus gives two main performances at the end of each semester and may be involved in competitions and festivals, as well as performing for various school events, private and public functions. This choir may also tour locally.

THD 870/871: INTRODUCTION TO THEATER and ACTING I

Prerequisite(s): Open to students in grades 9 through 12.

Duration/Credit: One year; One Unit

Course Description: This foundational class introduces the student to the fundamentals of theater and performance. Individual and group acting projects and exercises will provide positive experiences in collaborative assignments and develop self-discipline and teamwork. Students will read plays; view and critique live theater, write, direct and perform an original play, and design a set. All aspects of theater will be touched on so the student gains a comprehensive view of the art and craft of theater.

By doing exercises in movement and voice production, reading, improvisation, and scenes, a student who is curious about the theatre may determine whether he or she has ability or interest in acting while learning something of the process of characterization—the major responsibility of the actor. The emphasis is on the variety of acting experiences rather than on a polished final product.

THD 872/873: THEATER: HISTORY and APPLICATION and ACTING II

Prerequisite(s): Open to students in grades 10-12. Completion of THD 870/871.

Duration/Credit: One year; One Unit

Course Description: Each member of the class will assume a specific role: lead actor, director, stage manager, and playwright. All students are expected to work collaboratively through the creative process. This course will culminate in a performance scheduled in conjunction with the department.

Acting II is designed for students with acting experience and a serious commitment to the art form. Students will build on their existing skills through in-depth character work and scene study, pushing their understanding of themselves and acting by exploring challenging scenes and exercises. Special emphasis will be placed on the performance of subtext, compositional texture, and character analysis through verbal and nonverbal communication.

THD 874/875: SCENE DESIGN and COSTUME DESIGN

Prerequisite(s): Open to students in grades 10-12. Successful completion of THD 872/873.

Duration/Credit: One year; One Unit

Course Description: This course will introduce the student to the elements that inform the scenic designer's choices (the theme and mood of a script, lines of action, focus, constraints, whimsy) and discuss methods of formulating cohesive, functional, and effective design for a show. The student will be introduced to many materials and techniques available to a designer for realizing his or her ideas as a physical product. Special attention will be paid to the process of the design concept: collaboration, formulation, presentation, discussion, evaluation, and reworking.

Costuming is an introductory exploration into the areas of costume design and costume construction, this course will highlight primary design elements utilized in costume design for the stage and screen (i.e., line, color, tone, texture, movement, mood composition, balance, and focus). The course will examine historical period silhouette and the art and craft of the stage costume.

THD 876/877: STAGE CRAFT and DIRECTING

Prerequisite(s): Open to students in grades 10-12. Successful completion of THD 874/875.

Duration/Credit: One year; One Unit

Course Description: In the Stage Craft course, students work on the technical elements of dance and theater productions being produced by the department. Skills learned will depend on the requirements of the particular show. Some lab hours may need to be arranged outside of class time.

Since directing plays is the most complex of theatrical tasks, the Directing course will focus on methods to unlock the life of a script in the realization of production. Studies will include historic styles and productions, emphasizing their staging. Students will learn the dynamics of floor plans and their effect on blocking, the potentials for lighting and its effect on mood, the importance of rhythm and spectacle.

AP CAPSTONE ANCHOR COURSES

The College Board's AP Capstone program is an innovative college-level program based on two courses- AP Seminar and AP Research- that complement and enhance discipline-specific AP Courses. The program provides students with an opportunity to engage in challenging scholarly practice of the core academic skills necessary for successful college completion. The ability to think independently, write effectively, research, collaborate, and learn across disciplines is essential for success in college. Passing scores (≥ 3) are required on the AP Seminar exam and AP Research exam for both endorsements, plus:

- *AP Seminar and AP Research Certificate*: No additional requirements
- *AP Capstone Diploma*: PLUS passing scores (≥ 3) required on four additional AP exams of the student's choosing. This signifies the student's outstanding academic achievement and attainment of college-level academic research skills.

Students are eligible for this program providing the student complete the necessary coursework in accordance with both Bishop Manogue Catholic High School and the College Board's policies and requirements. Students MUST pass the AP Seminar course as a junior in order to move on to the AP Research course as a senior and be eligible for this diploma endorsement. At graduation, students may be eligible for an AP Capstone cord and will receive a Bishop Manogue Catholic High School diploma. The College Board will finalize AP Capstone Diplomas in July following the student's high school graduation.

CAP 430/431: ADVANCED PLACEMENT (AP) AP SEMINAR

Prerequisite(s): Open to students in grade 11 or open to students in grade 10 who completed English 9 Honors with a "B" or better in each semester. Strong reading and writing skills are required. Enrollment may be limited to one section. Priority enrollment will go to upperclassmen, and may be based on previous English grades/performance.

Note: A special attendance policy applies. Students may be dropped from this course if absences negatively affect the required group collaborate requisite for this course. Drops are at the sole discretion of administration. A laptop or tablet is required for continuing research purposes

Duration/Credit: One-Year Course; One Unit

Course Description: AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to construct and communicate evidence-based arguments.

CAP 432/433: ADVANCED PLACEMENT (AP) AP RESEARCH

Prerequisite(s): Successful completion of AP Seminar.

Note: Working independently and outside of class time is a required component of this course and necessary for success. A laptop or tablet is also required.

Duration/Credit: One-Year Course; One Unit

Course Description: AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a yearlong research based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4000–5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense.

GEOLOGY, MINING AND ENGINEERING (G.E.M.) ACADEMY COURSES

The G.E.M. program offers students a curriculum to appropriately prepare them for matriculation into science-related fields and for careers in geology, mining, engineering, mathematics, and information systems. A student who satisfies the requirements for graduation from Bishop Manogue Catholic High School and successfully completes an approved course sequence may be awarded a high school diploma with a G.E.M. endorsement on the front along with a special cord to wear at the commencement ceremony. This endorsement indicates successful completion of the approved G.E.M. course of study. G.E.M. course requirements beginning with the class of 2024 include:

- *Three required classes:* Introduction to Computer Science, Geology, and Introduction to Engineering Design.
- *Two additional classes from the following list:* Algebra II, Algebra II/Trigonometry Honors, Pre-Calculus Honors, AP Calculus BC, AP Statistics, AP Chemistry, Physics Honors, AP Physics 1, AP Computer Science Principles, or other computer science courses.

CSP 059 (fall or spring): INTRODUCTION TO COMPUTER SCIENCE

Prerequisite(s): Open to students 9-12 who have completed a computer course or who are enrolled in the G.E.M. program.

Duration/Credit: One-semester Course; One-half unit

Course Description: Introduction to Computer Science is a required beginning technology course for students entering Bishop Manogue, unless the student's counselor approves an alternate course. It is imperative that all students learn the basic skills of communication (email, Internet use, social media, and programming) as well as computer hardware, Microsoft Excel, Google Apps for Education, and future technology trends. Introduction to Computer Science is also designed to introduce students to the breadth of the computer science field through an exploration of engaging and accessible topics.

Rather than focusing the entire course on learning particular programming languages, the course is designed to focus on the conceptual ideas of computing and to help students understand why certain tools or languages might be utilized to solve particular problems. The goal of Introduction to Computer Science is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will be introduced to topics such as interface design, limits of computers, and societal and ethical issues. Students will also gain usable skills in Google Apps for Education and Microsoft Excel.

GEO 304/305: GEOLOGY

Prerequisite(s): Biology or Chemistry. Open to students in grades 10-12.

Duration/Credit: One-Year Course; One Unit

Course Description: This course will be an introduction to both physical and historical geology. We will examine geological concepts and processes with a focus on the local geology of the Great Basin and the Sierra Nevada mountains, and how geology and mining are important to our state and local community. Starting with minerals and rocks, we will work our way up to discussing the theory of Plate Tectonics and how it explains the landforms we see every day on our way to school, as well as the earthquakes that wake us from sleep at times. Students will learn about Earth's history and the geologic time scale and how fossils and radioactivity help to shape our understanding of Earth's history. Field trips to local sites of geological interest may be used to enhance our understanding of the concepts discussed in class.

EGR 352/353: INTRODUCTION TO ENGINEERING DESIGN

Prerequisite(s): Completion or concurrent enrollment in a physics course.

Duration/Credit: One-Year Course; One Unit

Course Description: Introduces engineering design, professional ethics, project planning, prototype fabrication, engineering creativity, and overview of engineering disciplines. Student teams undertake a term-long design project.

COMPUTER SCIENCE NEXT REALITY CLASSES

Next Reality is a Computer Science signature academy at Bishop Manogue Catholic High School. It offers students in grades 9-12 a curriculum. Next Reality focuses on preparing students for the unknown, a future in the technological world. It provides coursework in networking, coding, application programming interface, and artificial intelligence and builds critical thinking,

**Revised, January 2020: Course offerings are subject to change at any time with or without notice. Courses may be subject to cancellation based on enrollment and available school resources.*

visualization, and analysis skills. Students who graduate from Next Reality at Bishop Manogue Catholic High School will receive an endorsement on his/her diploma.

Students seeking a Computer Science endorsement must complete all CSP courses in order to receive this designation on the diploma.

CSP 059 (fall or spring): INTRODUCTION TO COMPUTER SCIENCE

Prerequisite(s): Open to students 9-12.

Duration/Credit: One-semester Course; One-half unit

Course Description: Exploring Computer Science is a required beginning technology course for students entering Bishop Manogue, unless the student's counselor approves an alternate course. It is imperative that all students learn the basic skills of communication (email, Internet use, social media, and programming) as well as computer hardware, Microsoft Excel, Google Apps for Education, and future technology trends. Exploring Computer Science is also designed to introduce students to the breadth of the computer science field through an exploration of engaging and accessible topics.

Rather than focusing the entire course on learning particular programming languages, the course is designed to focus on the conceptual ideas of computing and to help students understand why certain tools or languages might be utilized to solve particular problems. The goal of Exploring Computer Science is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will be introduced to topics such as interface design, limits of computers, and societal and ethical issues. Students will also gain usable skills in Google Apps for Education and Microsoft Excel.

CSP 356/357: ADVANCED PLACEMENT (AP) COMPUTER SCIENCE PRINCIPLES

Pre-requisite(s): Open to students in grades 11-12 who have completed an approved computer course with demonstrated proficiency with coding, programming, or solving complex mathematical translations.

Duration/Credit: One-Year Course; One Unit

Course Description: AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.