



2008-2009

COURSE CATALOG

Archbishop Thomas J. Murphy High School

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Contents

| | |
|-------------------------------------|----|
| General Information | 2 |
| English and Language Arts | 6 |
| Fine/Visual/Performing Arts | 7 |
| World Languages | 9 |
| Mathematics | 10 |
| Physical Education and Health | 12 |
| Science | 13 |
| Social Studies..... | 14 |
| Theology | 15 |
| Vocational/Technology | 16 |



GENERAL INFORMATION

GRADUATION REQUIREMENTS

Attendance

Students graduating from Archbishop Murphy High School must attend eight semesters of high school or its equivalent and earn 24 credits. One-half credit is equal to one period of instruction for one 90-day semester.

Credit Requirements

The course of studies at Archbishop Murphy High School is designed to prepare students to enter colleges or universities. Within this college preparatory framework, we seek to direct students into courses which will consistently challenge their capacity and potential. Succeeding at Archbishop Murphy High School requires rigorous effort by students in both their classes and in their assignments.

A total of 24 credits are required to graduate from Archbishop Murphy High School. All students are expected to take six classes each semester. Each class period is 50 minutes in length. Academic credits are assigned each semester for each course in which a passing grade is earned. A passing grade in a year-long course earns one credit, while passing a semester-long course generates one-half credit.

The courses required for graduation from Archbishop Murphy High School meet or exceed the minimum entry requirements of colleges and universities in Washington State.

The subjects listed in the following sections are required for graduation from Archbishop Murphy High School and must be included in the 24 credits:

4.0 Theology Credits must include:

| | | |
|----------------|------------|-------------|
| Freshman year | 1.0 credit | Theology 9 |
| Sophomore year | 1.0 credit | Theology 10 |
| Junior year | 1.0 credit | Theology 11 |
| Senior year | 1.0 credit | Theology 12 |

4.0 English Credits must include:

| | | |
|----------------|------------|------------|
| Freshman year | 1.0 credit | English 9 |
| Sophomore year | 1.0 credit | English 10 |
| Junior year | 1.0 credit | English 11 |
| Senior year | 1.0 credit | English 12 |

| <u>SUBJECTS</u> | <u>MINIMUM COLLEGE REQUIREMENTS</u> | <u>AMHS REQUIREMENTS</u> | <u>STATE REQUIREMENTS</u> |
|---------------------------------|-------------------------------------|--------------------------|---------------------------|
| English | 4.0 | 4.0 | 3.0 |
| Mathematics | 3.0 | 3.0 | 2.0 |
| Social Studies | 3.0 | 3.0 | 2.5 |
| Science | 2.0 | 2.0 | 2.0 |
| Foreign Language | 2.0 | 2.0 | 0 |
| Fine/Visual/ Performing Arts | 1.0 | 1.0 | 1.0 |
| Theology | | 4.0 | 0 |
| Physical Education | | 1.0 | 1.5 |
| Health | | .5 | .5 |
| Vocational/ Technology | | .5 | 1.0 |
| Electives | | 3.0 | 5.5 |
| TOTAL CREDITS REQUIRED | 15.0 | 24.0 | 19.0 |

3.0 Social Studies Credits must include:

| | | |
|----------------|------------|---|
| Sophomore year | 1.0 credit | World History |
| Junior year | 1.0 credit | U.S. History |
| Senior year | 1.0 credit | Government, and Economics, Law or Contemporary World Problems |

Washington State History requirements must be met during 8th grade year or at AMHS.

3.0 Math Credits must include:

Three full years or six semesters of math.

2.0 Science Credits must include:

Two full years or four semesters of science.

2.0 Foreign Language Credits must include:

Two full years or four semesters of the same Foreign Language.

1.0 Physical Education Credit must include:

One full year or two semesters of Physical Education.

.5 Health Education Credit must include:

One-half year or one semester of Health.

1.0 Fine/Visual/Performing Arts Credit must include:

One year or two semesters of art may be satisfied by taking any of the classes offered through the Fine/ Visual/Performing Arts department.

.5 Vocational/Technology Education Credit

must include: One-half year or one semester of Technical Education.

| | | | |
|--------------|-------------------------|----------|--|
| 21.00 | Required Credits | + | |
| 3.00 | Elective Credits | = | |
| | | | |
| 24.00 | Total Credits | | |

Community Service Hours Required:

| | |
|----------------|----------|
| Freshman year | 21 hours |
| Sophomore year | 24 Hours |
| Junior year | 30 hours |
| Senior year | 35 hours |

Class Schedule Changes

Student requests for a legitimate class change will be honored within the first 10 days of each semester. After this time, student initiated class changes will be granted only for exceptional reasons or with Vice Principal permission.

Waiving Graduation Requirements

Due to extenuating circumstances, an individual’s graduation requirements may be modified. All waiver requests will be heard by the Vice Principal. Check with your counselor before you begin this process.

Consideration of the waiver will be based on the following:

1. Alternative Learning Experience.
2. Effect on present program.
3. Grade level of student.
4. All AMHS graduation requirements are met.
5. Student four-year plan must be completed.

Admission Requirements for Two Year Colleges

Students who have graduated from high school, or are 18 years of age, may be admitted after completing the following:

1. Submit an application.
2. Pay application fee (if appropriate).
3. Provide high school transcript (if appropriate).

Most community or technical colleges require a placement test prior to registration.

Admission to Four-Year Colleges and Universities

Out-of-state colleges and universities may have different requirements than those within Washington State. Please refer to The College Handbook, individual college catalogs or web sites for specific requirements. These tools are available in the Counseling & Career Center.

When applying to an in-state private or public four-year college or university, students are required to provide the following:

1. Application, completed and signed.
2. Application fee.
3. Official high school transcripts.
4. Official scores from SAT / ACT.

If applicable, official college transcripts must be submitted for college credit to be awarded.

The following criteria provide guidelines for admission to Washington’s public baccalaureate institutions. Meeting minimum requirements does not ensure admission to a particular institution. Some requirements may be waived under certain circumstances.

High School Core Subject Requirements

To be eligible for admission to a four-year university or college, students must complete the following college-preparatory courses, or vocational, integrated, or college course equivalents, before enrolling:

| | |
|----------------------------------|---|
| English | 4 years |
| Mathematics | 3 years minimum (Algebra and above) |
| Social Studies | 3 years |
| Science..... | 2 years minimum (Biology, Chemistry or Physics recommended) |
| World Language..... | 2 years minimum |
| Fine/Visual/Performing Arts | 1 year |

Students are encouraged to pursue additional course work beyond these minimums in order to be a more competitive applicant, and to be better prepared for

college level course work. College admission counselors also recommend that students take a challenging load during their senior year if they want to be considered as a serious candidate.

For a more detailed explanation, please read the following information:

ENGLISH: Four years of study are required, at least three of which must be in composition and literature.

MATHEMATICS: Three years of study are required, at the level of algebra, geometry and advanced (second-year) algebra/trigonometry. Students typically will be tested upon entry for placement. More advanced mathematics courses are recommended, such as pre-calculus, calculus and statistics. An algebra course taken in the eighth grade may satisfy one year of the requirement if algebra/trigonometry is completed in high school.

SOCIAL STUDIES: Three years of study are required in history or in any of the social sciences (e.g., anthropology, economics, contemporary world problems, geography, political science, government, psychology, sociology). Courses in student government, leadership, community service, economics or other activity courses will not count toward the requirement.

SCIENCE: Two years of study are required. One year of biology, chemistry, physics, or applied physics must be completed with a lab experience (i.e., both semesters are in the same field). The second year of science may be completed in any course that satisfies the high school graduation requirement in science. Students planning to major in science or a science-related field are encouraged to complete at least three years of science, including at least two years of laboratory science.

WWU further specifies that the science requirements be met by two years of college-preparatory science including one year of algebra-based chemistry, physics, applied physics or principles of technology.

FOREIGN LANGUAGE: Two years of study are required. The two years must be devoted to a single foreign language and must be in sequence, with no repetition of any prior term of study, and without a reduction in what would normally be a full, second year of study.

FINE/VISUAL/PERFORMING ARTS OR COLLEGE PREP ELECTIVE: One year of study is required in the fine/visual/performing arts, or an additional year in any of the academic areas defined above. The fine/visual/performing arts include art appreciation, band, ceramics, choir, dance, dramatic performance and production, drawing, fiber arts, graphic arts, metal design, music appreciation, music theory, orchestra, painting, photography, print making and sculpture. Courses generally not acceptable include drafting, architecture, color guard, creative writing, fashion design, interior design, sewing and woodworking.

The UW and WWU further specify that one-half of this requirement must be in the fine/visual/performing arts; the other half-year may be either in the arts or in an academic elective.

College Testing

For high school graduates, all in-state public and private universities require at least one ACT or SAT I score report. Test registration is by mail, phone or internet (SAT: www.collegeboard.com; ACT: www.actstudent.org). Registration packets are also available in the AMHS Counseling & Career Center.

It is recommended that students take either the ACT or SAT I in the spring of their junior year, and then (if they desire) again in the fall of their senior year. Also, juniors will take the Preliminary-SAT (PSAT) in October as practice for the SAT I, and to qualify for the highly competitive National Merit Scholarships. The PSAT is offered one time only in October each year.

Sophomores and Juniors at Archbishop Murphy take the PSAT; however, only Juniors are eligible to compete for National Merit Scholarships.

Admission Index (AI)

Washington's six public baccalaureate institutions (excluding the University of Washington) use an admissions indexing system. Each applicant is assigned an Admission Index (AI) derived from GPA and SAT/ACT scores. Grades are roughly three times as important as test scores in determining AI.

To manage enrollment, some institutions will set admission requirements significantly higher than state minimums and/or consider additional factors.

Financial Aid

The basic question of how to finance college is paramount in the minds of parents and students. Parents should realize the family's financial strength is dependent upon a combination of things, such as assets, liabilities, family size, and medical expenses. Parents and students are responsible to pay college costs. If these costs cannot be met, the student can apply for financial assistance. Information regarding sources of money for college can be obtained from the financial aid office of the college or training institution of your choice, or the AMHS Counseling & Career Center. Parents and students are encouraged to attend the college information nights at AMHS in the fall and the spring.

The Federal Parent Loan for Undergraduate Students (PLUS) offers parent borrowers an affordable education loan that can be used to finance up to 100% of their dependent's undergraduate education (**less and student financial aid or scholarships**). Eligible students must be enrolled at least half time at an accredited school, college, or university. Parents may qualify for a PLUS Loan even if their financial assets limit their eligibility for other loans. Please refer to the website for additional information. www.cfsloans.com

To be considered for federal student aid such as Federal Pell Grants and Federal Family Education Loans a student must fill out the *Free Application for Federal Student Aid (FAFSA)*. This application collects financial and other information used to calculate the Expected Family Contribution (EFC) that ultimately determines the student's eligibility for aid. The FAFSA is available on-line in late November. Please refer to the website for additional information. www.fafsa.ed.gov

The CSS/Financial Aid Profile is distributed by the College Scholarship Service (CSS) of the College Board. **The profile is not the same as the FAFSA.** The profile is used by some colleges, universities and scholarship programs to award their own private funds. Complete the profile form only if you are required to do so. Check the CSS Code List. Some applicants should complete both. Please refer to the website for additional information. www.collegeboard.com

Scholarships

Specific Scholarships are offered by colleges, universities, businesses, companies, organizations, etc. In addition, the AMHS Counseling & Career Center advertises scholarship information that is received.

Personal Scholarships may be available to students through parents' employment and/or social organizations.

Students should write to specific colleges, departments within colleges, and/or vocational training programs regarding scholarships or financial aid.

Please refer to the Counseling page on the AMHS website for a listing of scholarship resources.

COLLEGE CREDIT OPPORTUNITIES WHILE IN HIGH SCHOOL

Advanced Placement Courses

Archbishop Murphy High School offers advanced placement courses for highly capable students. The AP classes are in preparation for the College Board AP examinations given in May. If the teacher and student agree on an Advanced Placement, the student needs to realize he or she is making a serious commitment to a year-long course. Only under extenuating circumstances would a student be allowed to drop an AP class.

The AP examinations are offered annually to give high school students opportunities to demonstrate college-level achievement. Benefits which students may derive from these examinations include:

- Exemption by colleges or universities from beginning courses and permission for students to take higher level classes in a specific field.
- Academic college credit awarded for examinations taken.
- College tuition savings — credit may be given for three or more qualifying AP grades.
- Eligibility for college honors and other special programs open to students who have received AP recognition.

The AP classes offered at Archbishop Murphy High School are:

| | |
|----------------|---------------------|
| AP Chemistry | AP Computer Science |
| AP Calculus AB | AP Physics |
| AP Calculus BC | AP Biology |
| AP Statistics | |

AP Classes Are College-Level Classes

Students considering entering AP classes should understand that these courses are demanding and

require much more time outside of class than regular classes. **All AP classes are two semester, full credit classes.**

The Matteo Ricci program is a college level program for seniors which integrates English 12 Honors, Social Science 12 Honors and Theology 12 Honors. In weekly seminars students learn the skills of argumentation and explore the ideas of classical and contemporary thinkers, including Plato, Aristotle, St. Thomas Aquinas, Machiavelli, Martin Luther King, etc. Satisfactory completion of these courses enables students to earn 10 college credits from the Matteo Ricci College of Seattle University.

Foreign Language credit from the University of Washington can be earned at Archbishop Murphy High School. Students who complete Spanish III with a grade of "B" or better are eligible to receive five credits in Spanish 103 from the University of Washington. Students who complete Spanish IV with a grade of "B" or better are eligible to receive ten (10) credits in Spanish 201 and 202 from the University of Washington.

COURSE DESCRIPTIONS

English and Language Arts

The English department has developed a program that offers a broad range of courses that not only fulfill Archbishop Murphy graduation requirements, but are excellent preparation for college and university programs.

English 9 (9) (1 credit)
1 year

A comprehensive literature and composition course required of all freshmen. Students study all the genres of literature: short stories, novels, poetry, drama, non-fiction. The course explores the Greek and Roman roots of western culture through the study of myth and the vocabulary development of the English language. Students practice expository writing, literary analysis and poetry writing. Effective oral communication skills are also stressed.

English 9 Honors (9) (1 credit)
1 year

Prerequisite: Instructor's permission.
English 9 honors is a comprehensive literature and composition course which hones the skills of students

who are particularly skilled in English literature and composition. This course reviews all the genres of literature and focuses on the analysis of literary works. It also explores the Greek and Roman roots of Western Culture through the study of myth and the development of the English language through Greek Origins. The communications portion of the course emphasizes clear expository writing, literary analysis and poetry writing as well as the development of effective oral skill.

English 10 (10) (1 credit)
1 year

Sophomore students read masterpieces of world literature, from both Eastern and western cultures, from ancient times through the nineteenth century. Students study the historical and cultural contexts of these works and study literary techniques in order to become critical readers. Sophomores also develop skills in vocabulary, writing, grammar, usage and oral communication.

English 10 Honors (10) (1 credit)
1 year

Prerequisite: Instructor's permission and application.
Students are exposed to a wide range of world literature and learn to read carefully and critically, both for personal enjoyment and to better comprehend diverse ideas, experiences and all modes of expression. The course also emphasizes formal writing skills, including clarity, precision, organization and documentation; students write essays about related topics. Additional time is spent on grammar and verbal communication skills.

English 11 (11) (1 credit)
1 year

A comprehensive American literature and composition course required of all juniors. Readings include fiction, non-fiction, poetry and drama. Effective reading, writing, listening, speaking and thinking skills are learned through thematic analysis of literary works and of the student's own writing. This course also teaches standardized test-taking skills to help students prepare for the PSAT.

English 11 Honors/ US History Honors (American Studies) (11) (1 credit)
for each course
1 year

Prerequisite: Instructor's permission and application.
These two courses will be taught jointly, studying the

history and culture of the United States through fiction, biographies, essays, art, music, and films. We will analyze events, movements and ideas that have shaped America through thematic units such as the Frontier, Equal Opportunity, the Work Ethic, etc. These classes will promote individual inquiry, small group interaction, and seminars to develop critical thinking skills and a richer understanding of culture.

English 12 (1 credit)
(12) 1 year

A comprehensive course in composition and literature for seniors. This course reviews all genres of world literature including fiction, drama, poetry and non-fiction. Students work to hone skills in reading, writing, speaking, listening and thinking necessary for college and post-college life. This course also helps students prepare for the SAT.

Journalism III (1 credit)
(12) 1 year

Prerequisite: Instructor's permission and B+ average in English.

Students enrolled in Journalism III will implement skills developed in Journalism I and II, including: writing news, feature, in-depth and sports articles; editorial writing; interview techniques; journalism style rules, conventions and principles; and criteria for determining news value. Production elements such as layout, photography and page design are used to produce the school newspaper, "Murphy's Law." Students will use computer software, digital cameras, scanners and other technology to prepare copy for the off-site printer. Journalism III is a two-semester course, and is offered as an English elective only.

English 12 Honors (1 credit)
Seattle University credit option available 1 year
(12)

Prerequisite: Instructor's permission and application

A college level course in composition and literature, which is an alternative to English 12 for seniors. This class covers all aspects of literature and emphasizes expository writing and literary analysis. This course must be taken in conjunction with Social Science 12 Honors and Theology 12 Honors. Students who complete these three honors courses with a grade of "B" or better in each class are eligible to receive ten college credits from the Matteo Ricci College of Seattle University.

Fine/Visual/Performing Arts

Fine/Visual/Performing Arts is problem solving at the very least, and more complex art encompasses all high level thinking skills. Good problem solvers appear to have an arsenal of strategies which will direct them toward solutions. Each art class at Archbishop Murphy High School will offer the student experience in creating art and learning about art history. Students will be exposed to art criticism as they analyze, interpret and judge works of art. All art classes are designed for three types of students:

- those who want to learn to create works of art.
- those who need skills to equip them for careers in art.
- those college-bound students who need humanities and/or fine arts for college entrance preparation.

Students who wish to pursue a career or study in art schools or colleges after graduation must prepare themselves at the high school level. Jobs in interior design, graphic arts, fashion design, animation, architecture, photography and fine arts all require a strong foundation in the arts.

Art History I (.5 credit)
(10,11,12) 1 semester

This course will survey Western art, non-Western art, art appreciation, and world historical events as they are related to art history from early man through Romanesque and Gothic Art. Students will read about and view art in their text-book, web-sites, maps, and time-lines. Students will interact with other students in an online learning environment through Moodle, as they are guided by their teacher. Students will receive assignments each Monday and have until Sunday night to complete their work. Students are required to meet face to face during the first two weeks of school for training and again for their semester exam.

Art History II (.5 credit)
(10,11,12) 1 semester

This course will survey the Italian Renaissance, Renaissance in the North, Baroque and Rococo art, Impressionism, Post-Impressionism, and modern art. The course will include art appreciation and world historical events as they are related to art history. Students will read about and view art in their text-book, web-sites, maps, and time-lines. Students will interact

with other students in an online learning environment through Moodle, as they are guided by their teacher. Students will receive assignments each Monday and have until Sunday night to complete their work. Students are required to meet face to face during the first two weeks of school for training and again for their semester exam.

Drawing (.5 credit)
(10,11,12) 1 semester

This one-semester course will introduce the fundamentals of drawing to build artistic skills and confidence in visual expression. Students will gain an understanding of the elements and principles of design, as well as experience and knowledge using different artistic mediums and techniques, including pencil, pen and ink, pastels, scratch board and charcoal. Students will also visit museums and investigate artists on-line to gain a fundamental knowledge of art history.

Painting (.5 credit)
(10,11,12) 1 semester

Prerequisite: An "A" or "B" in Drawing or instructor's permission.

This one-semester course continues building on the fundamentals presented in Drawing. The student will be introduced to painting techniques and will be challenged to continue exploring artistic principles through painting. The students will paint from still life, en plein air, from imaginations and from inspirations of painters. Students will continue to investigate art history and specific artists through Internet assignments.

Pottery I (.5 credit)
(10,11,12) 1 semester

This one-semester studio course will introduce the student to clay as a medium in art. The focus will be in learning clay and glaze terminology, basic hand building skills and throwing on the wheel. Students will develop the ability to plan, organize and execute projects from beginning to end. Students will also study the history of ceramics and museum ceramic pieces through Internet assignments.

Pottery II (.5 credit)
(10,11,12) 1 semester

Prerequisite: Pottery I

This is a one-semester studio course that will continue the study of clay as a medium in art. The focus will be using more complex and multiple building techniques.

Students will continue to plan, organize and execute projects from beginning to end. Students will also continue to study ceramics through Internet assignments.

Pottery III (.5 credit)
(10,11,12) 1 semester

Prerequisite: An "A" or "B" in Pottery II.

This is a one-semester studio course that will continue the study of clay as a medium in art. The student will collaborate with the instructor to set goals for advanced study of particular hand building, wheel and glaze techniques. The student will continue to study through Internet assignments.

Pottery IV (.5 credit)
(10,11,12) 1 semester

Prerequisite: An "A" or "B" in Pottery III.

This is a continuation of Pottery III and will further the study of clay as a medium in art. The student will collaborate with the instructor to set goals for advanced study of particular hand building, wheel and glaze techniques. The student will continue to study through Internet assignments.

AP Studio Drawing (1 credit)
(11,12) 1 year

Prerequisite: An "A" or "B" in Drawing and instructor's permission.

This two semester course will consist of a series of assignments consisting of high-level problem solving skills that will introduce the students to the widest possible range of mediums, techniques, and approaches to develop drawing concepts and ideation. Students will create a body of work, participate in critiques, develop a personal concentration of 12 pieces, and select five top-quality pieces for presentation. This class prepares students to submit a portfolio for AP Portfolio Review.

Drama I (Introduction to Acting for the Stage) (1 credit)
(11,12) 1 year

This course is designed to introduce the student to performance through historical analysis of the art of acting, the study of acting methodology and performance. Students will be introduced to a sampling of the great works of Ancient, Medieval, Elizabethan and Modern Theater and will apply this knowledge through class presentation. Students will apply study of

methodology of acting in a series of improvisational scenes and short memorized dialogues. Students will be expected to perform in the Christmas Play.

Drama II (Advanced Acting for the Stage) (1 credit)
Independent Study 1 year
(11,12)

Prerequisite: Instructor's permission

This course of study is offered for those students who intend to pursue a career or advanced study in theater. Students will collaborate with the instructor to set goals for performances both in and out of school. Students will also read, attend and review a wide variety of plays and performances. Performance in four major productions outside of class is mandatory. In class, students will continue to develop advanced skills in improvisation and method acting. Students will also submit one major research paper (5-10 pages) on acting theory.

Concert Choir (1 credit)
(9,10,11,12) 1 year

This class is designed for students of music who are interested in developing both choral and individual singing technique through ensemble singing. Students will develop sight-reading and harmonization skills, basic music theory and vocal technique through the application of acquired skills to a wide range of choral music. Students will be expected to participate in all choral concerts, school assemblies and some liturgical services.

Concert Choir — Zero Hour (.5 credit) 1 year
(9,10,11,12) or (1 credit) 1 year

This class is designed for students of music who are interested in developing both choral and individual singing technique through ensemble singing. Students will develop sight-reading and harmonization skills, basic music theory and vocal technique through the application of acquired skills to a wide range of choral music. Students will be expected to participate in all choral concerts, school assemblies and some liturgical services.

Concert Band — Zero Hour (.5 credit) 1 year
(9,10,11,12) or (1 credit) 1 year

This class is designed for the student musician who is interested in continuing to develop and refine previously acquired basic skills. Students will be expected to perform music of several different eras and will work in large group ensembles in performing music for concerts and school sponsored events.

Music Theory (1 credit)
(11, 12)

Prerequisite: Instructor's permission

Music Theory is designed for students interested in furthering their knowledge of music. Students are not required to have previous knowledge of music theory but students should enter into this class with the ability to read music and play an instrument or sing. Students will study the fundamentals of music, structural elements, analysis, sight reading, composition and much more. A standard introductory college level text will be used.

Video Technology (.5 credit)
(10,11,12) 1 semester

Prerequisite: Instructor's permission.

Students will develop multi-media presentations for various school purposes such as yearbook, recruitment, development and classroom productions. Activities will include writing scripts and storyboarding, organizing materials, taping, editing, and duplicating and archiving materials. Class can be repeated for another .5 credit.

World Languages

Most four year colleges and universities require at least two years of the same language for admissions, and three to four years are recommended.

All students who are enrolled in Spanish III and IV can earn college credit from the University of Washington if they enroll in the UW classes and maintain a "B" average. A student can earn five credits for Spanish III (UW Spanish 103) and ten credits for Spanish IV (UW Spanish 201 and Spanish 202) for a total of 15 credits.

Spanish I (1 credit)
(9,10,11,12) 1 year

Students in this class will learn to understand, speak, read and write Spanish on a beginning level. Conversational topics of interest to young people provide the basis for vocabulary acquisition and mastery of basic grammar structures. Students will also explore the lifestyle and customs of Hispanic groups in the United States. All classroom activities are designed to develop communicative experience.

Spanish II (1 credit)
(10,11,12) 1 year

Prerequisite: Spanish I

Students will continue to develop the four language macro-skills: understanding, speaking, reading and writing. New vocabulary and grammatical concepts will be introduced. Students will be encouraged to use their language skills by participating in daily conversation sessions and activities that involve real communication. The cultures of many Spanish speaking countries will be explored. Legends from the oral tradition of Central and South America help students understand the values and beliefs of the Hispanic culture.

Spanish III UW credit option available (1 credit)
(10,11,12) 1 year

Prerequisite: Spanish II with a grade of "C" or better.

Students will continue developing the skills learned in the first two years. In addition, students will strengthen their communicative skills by exploring the arts, literature, history and popular culture of the Spanish-speaking world. Emphasis is placed on individual progress in reading and writing. This course follows the curriculum for Spanish 103 at the University of Washington.

Spanish IV UW credit option available (1 credit)
(11,12) 1 year

Prerequisite: Spanish III with a grade of "C" or better.

Students will take a closer look at Spanish and Latin American culture through the study of literature, arts, customs, history, government and social change. Students will continue to develop fluency in Spanish. Daily autonomous conversation sessions help students to assess their language skills and encourage them to develop vocabulary to meet their personal needs. A review of Spanish grammar is included. This course follows the curriculum for Spanish 201 and 202 at the University of Washington.

French I (1 credit)
(9,10,11,12) 1 year

This is an introductory course with emphasis placed on listening and speaking skills. Reading and writing skills are also introduced but receive greater emphasis during the second semester. The creation of original, meaningful dialogues as well as oral presentations will be enjoyed. Furthermore, students will be expected to role-play given situations based upon vocabulary already presented. Students will also be introduced to the geography and the culture of the French speaking world.

French II (1 credit)
(10,11,12) 1 year

Prerequisite: French I.

This course is designed to reinforce the foreign language skills acquired by the student in French I. Through a variety of activities, the course develops increased listening, speaking, reading and writing skills at an intermediate level. Pronunciation is emphasized. A wide range of cultural topics is presented.

French III (1 credit)
(10,11,12) 1 year

Prerequisite: French II with a grade of "C" or better.

This course is designed to reinforce the French language skills acquired by the student in French II. Through a variety of activities, the course develops increased listening, speaking, reading and writing skills at an intermediate level. Pronunciation is emphasized. A wide range of cultural topics are presented including arts and leisure.

Mathematics

Three years of Math are required for entrance to most colleges and universities including Algebra II/Trig. The SAT test includes those topics covered up through the course Algebra II/Trig. Geometry and Algebra II/Trig. can be taken concurrently with teacher permission.

Students must have a graphing calculator for all mathematics classes.

Algebra (1 credit)
(9) 1 year

This is the most common entry level math course for students who have successfully completed a pre-algebra class. Students will learn to use linear, quadratic and higher order polynomial equations. They will learn to solve systems of equations as well as how to work with functions, inequalities and irrational numbers. In addition to the algebraic content of the course, students will work exercises directed toward improving mathematical thinking.

Algebra Enhanced (1 credit)
(9) 1 year

This course is for students who have already had one year of Algebra, but who did not score above 70% on the challenge test. In this course, students will strengthen and deepen their understanding of Algebra

concepts to ensure their success in Geometry and Algebra II/Trig.

Geometry (1 credit)
(10) 1 year

Prerequisite: Algebra or Algebra Enhanced.

In this course students will learn to create geometry for themselves. They will learn concepts visually, analytically, inductively and deductively. Student will form test definitions, discover the properties of new figures, and develop visualization skills through drawings, construction, and the use of *Cabri Jr.* Throughout the year, students will study logic, reasoning and the nature of proof.

Geometry Honors (1 credit)
(9) 1 year

Prerequisite: Algebra and a score of $\geq 70\%$ on the Math placement test.

This course will follow the same curriculum as Geometry but in greater depth. Emphasis will be placed on proofs and problem solving. Students will study the additional topics of 3-Dimensional and Non-Euclidean Geometry.

Algebra II/Trig. (1 credit)
(11,12) 1 year

Prerequisite: Algebra and Geometry.

This course examines polynomial and quadratic equations and their manipulations. Rational, irrational and complex numbers are considered and the geometry of lines and conic sections are graphed and explored. Trigonometry, logarithms, series and sequences are looked at in their basic forms. By the end of this course students will be able to manipulate polynomials and quadratic equations. They will be able to solve triangles using trigonometric functions and they will be able to solve science problems using exponents and logarithms.

Algebra II/Trig. Honors (1 credit)
(10) 1 year

Prerequisite: Geometry Honors and instructor's permission. This course will follow the same curriculum as Algebra II/Trig. but in greater depth. Emphasis will be placed on problem solving, including some additional topics.

Pre-Calculus (1 credit)
(11,12) 1 year

Prerequisite: Completion of Algebra II/Trig. and instructor's permission.

Any student interested in a career in Engineering, Science, Mathematics or Computer Programming should take this course. Topics included in this class are functions and graphs; intercepts, zeroes and solutions; polynomial and rational functions; exponential and logarithmic functions; trigonometric functions; linear models and systems of equations; matrices, determinants; sequences, probability and statistics; as well as an introduction to limits and derivatives.

Pre-Calculus Honors (1 credit)
(11) 1 year

Prerequisite: Completion of Algebra II/Trig. and instructor's permission.

This course will follow the same curriculum as Pre-Calculus, but with a greater emphasis on derivation and conceptual understanding. Additional concentration on sequences and limits will be placed to ensure a smooth transition into Calculus the following year.

AP Calculus AB (1 credit)
(11,12) 1 year

Prerequisite: Completion of Pre-Calculus with instructor's recommendation.

This course is based on the AP Calculus AB curriculum which includes limits, derivatives, applications of derivatives, integrals, applications of integrals and an introduction to differential equations. The class prepares students for the AP Calculus AB exam in May.

AP Calculus BC (1 credit)
(11,12) 1 year

Prerequisite: Completion of Pre-Calculus with instructor's recommendation.

This course is based on the AP Calculus BC curriculum. The BC curriculum includes all topics in the AB curriculum plus extensions to parametric, polar, and vector functions; series; and additional topics and applications. BC Calculus is a faster, more demanding course than AB Calculus. The class prepares students for the AP Calculus BC exam in May.

AP Statistics (1 credit)
(11,12) 1 year

Prerequisite: Completion of Algebra II/Trig. and instructor's permission.

Students will discover statistical concepts, explore statistical principles and apply statistical techniques. The analysis of data using a TI-83 Plus graphing calculator is emphasized. The course is based on the AP statistics curriculum and prepares the students for the AP exam in May. Students in AP Statistics should expect 30-40 minutes of homework per night. Students in this class are also expected to take 2-3 weekend practice exams in April-May and take on-line practice exams during the course of the school year at the instructor's discretion. (AP statistics is not considered a Math credit by some colleges and universities).

Physical Education and Health

All students are required to take one credit of Physical Education. Physical fitness and daily participation is necessary to achieve personal goals and successes in the classroom. A .5 credit of PE can be waived through participation in sports or cheerleading during the 10th, 11th and 12th grades only. Participation in two seasons of a sport will waive a .5 credit.

Health (.5 credit)
(9) 1 semester

This one-semester course is required for all freshmen. It is designed to explore lifetime wellness in a variety of ways. Students learn to address issues of physical, mental and social health and to understand their connection to total health. The curriculum is intended to help students examine their lifestyles, select goals and make plans to achieve and maintain optimum health. This involves choosing behaviors that help prevent illness and accidents and promote health for oneself and for others. The program promotes responsible decision making and provides students with life management skills they can use for the rest of their lives.

Physical Education (.5 credit)
(9) 1 semester

This one-semester course is required for all freshmen. This co-educational class is designed to explore lifetime fitness in a variety of ways. Individual and team sports are included with emphasis placed upon development of skills and knowledge of the game. Students will learn ways to include maximum physical activity in their daily lives.

Strength and Conditioning (.5 credit)
(11,12) 1 semester

Prerequisite: Instructor's permission.

The strength and conditioning class is designed to provide the student with basic exercise physiology concepts: exercise routine design, instruction with weight lifting, spotting techniques, yoga, pilates, general conditioning and flexibility, nutrition and other exercise science concepts. This one-semester course is for 11-12 graders who need to fulfill physical education requirements beyond the freshman year, and is part lecture and part participation. Students will learn to identify ways to include physical activity in their daily lives.

Advanced Physical Education (.5 credit)
(11,12) 1 semester

This one-semester course is intended for Juniors or Seniors who are interested in taking Physical Education. This course is a continuation of Freshman PE.

Speed, Strength & Agility (.5 credit)
(9,10,11,12) Summer Class

This 8-week training session is open to Archbishop Murphy boys and girls of all levels and abilities and is designed to produce the highest level of performance required to excel in athletics.

Students' daily routine will include the most advanced exercise methods for improving sports performance, led by strength and conditioning experts. This training will not only function in making athletes bigger, faster and stronger, but also reduce the likelihood of injury during the coming year. In addition, individuals participating in the program will be eligible to receive ½ PE credit at AMHS. Any athlete serious about athletics will not want to miss this opportunity.

Note: Students receiving credit are obligated to meet an attendance requirement.

Science

The science department strives to make our students science literate. They will be able to read and understand information that relates to the sciences. As citizens and Christians they will be able to make informed decisions concerning scientific matters that relate to our world and nation. Two years of science are required for entrance to most colleges and universities including Biology, Chemistry or Physics.

Physical Science

(9)

(1 credit)

1 year

This course is designed to introduce students to the four major science fields of study: Earth Science, Chemistry, Biology, and Physics. The subject matter will include basic principles of plate tectonics, climatology, atomic structure, chemical elements and compounds, ecology, cell structure and function, forces, and the laws of motion. There is a heavy emphasis placed on students learning to use the metric system, conversion factors, scientific notation and formulas. Students will gain practice measuring in both the field and in laboratory investigations including linear, volumetric, and mass measurements. The culminating project for the year is a student constructed model rocket which relies on measurement and data analysis skills learned throughout the year.

Biology

(9,10)

(1 credit)

1 year

Prerequisite: Physical Science or its equivalent.

This course will cover the basic concepts of biology. The course is centered on the characteristics of living things and how we use the scientific method to study life. The basic concepts that are covered include the relationships and interactions of living organisms with themselves and their environment. The chemical basis of life, with cells as the basic unit of life, will be studied relating to genetics, evolution and diversity of life. After this groundwork, we will survey life on earth, discussing the various kingdoms and how their constituent organisms fit into the world. The course will use lectures, demonstrations and lab investigations. Students will develop a science vocabulary, learn the basics of scientific investigation, keep records of lab investigations and write short reports detailing observations and conclusions.

Chemistry

(10,11,12)

(1 credit)

1 year

Prerequisite: Algebra II/Trig. (or by taking this course concurrently).

This course covers the basic concepts of chemistry including the Periodic Chart, atomic theory and structure, behavior of gases, bonding and acid-based reactions. In addition, some nuclear and organic chemistry will be examined. The class stresses mathematical solutions to problem solving and offers labs to put concepts into practice. By the end of this course, students will have a general knowledge of how matter is put together, be able to understand articles about scientific concerns, be able to make logical decisions about environmental problems dealing with chemicals and to speak and write about experiments they have conducted.

Physics

(11,12)

(1 credit)

1 year

Prerequisite: Completion of Algebra II/Trig.

Fundamental relationships in mechanics, optics/waves and electricity are explored.

Anatomy/Physiology

(10,11,12)

(1 credit)

1 year

Prerequisite: Completion of Biology, Geometry and instructor's permission.

This course is an introduction to the structure and function of the human body. The course begins with an orientation to the body and a review of basic chemistry and cells. The anatomy and physiology of each organ system of the body is explored, using lectures, videos and lab investigations. The mink is used as a lab animal. The course will also include clinically important diseases and discussions on how the body maintains homeostasis.

AP Biology

(11,12)

(1 credit)

1 year

Prerequisite: Completion of Biology and instructor's permission.

This course is based on the AP Biology Curriculum and prepares students for the AP exam in May. The course includes an in depth study of Biochemistry, Cell Biology, Heredity, Molecular Genetics, Evolution, Structure and Function of Plants and Animals, and Ecology. There will be 12 required labs focusing on the process of science and how it is used to understand the concepts. Students in AP Biology should expect 30-60 minutes of homework daily and two weekend practice exams in April-May.

AP Chemistry

(11,12)

(1 credit)

1 year

Prerequisite: Completion of Algebra II/Trig, Chemistry and instructor's permission.

This course is a college level first year chemistry course and will follow the ACS (American Chemical Society) and AP Chemistry curriculum. Topics will build on knowledge acquired in chemistry and focus on chemical kinetics, equilibrium, thermodynamics, electrochemistry and organic functional groups. There will be 12-16 labs that will focus on the topic being studied. Students in AP Chemistry should expect 45-60 minutes of homework daily and 2-3 weekend practice exams in April-May. The AP exam will be taken in May.

AP Physics

(12)

(1 credit)

1 year

Prerequisite: Completion of Physics and completion of or concurrent enrollment in Calculus.

This course is based on the AP Physics C curriculum which includes mechanics and electricity/magnetism. This is a calculus-based physics course. The class prepares students for the AP exam in May. Students in AP Physics should expect 45-60 minutes of homework daily and 2-3 weekend practice exams in April-May.

Social Studies

The Social Studies Department offers students three years of required classes. World History is usually taken during the sophomore year. Juniors take U.S. History. Seniors complete their third year by taking Matteo Ricci (Social Studies 12 Honors) for a full year or Civics (Government) for first semester, and one of the following social studies classes second semester: Law, Economics, or Contemporary World Problems. One semester of Washington State History is required by the state for high school graduation. Students who have not satisfied this requirement in the 8th grade must complete Washington State History during their four years at AMHS.

Washington State History

(9,10,11,12)

(.5 credit)

1 semester

This course covers the history of the Pacific Northwest from the time before European explorers set foot in this area to the present. Special emphasis is given to the history of Washington as a state, Native American culture, geography and climate, and the settlement of cities and towns in Snohomish County.

World History

(10)

(1 credit)

1 year

The purpose of this class is to provide historical background and understandings necessary for students to interpret the world of the 21st century. The course begins with the evolution from hunter-gatherer groups to early agricultural based societies around 13,000 years ago. Those societies capable of controlling their food supply and domesticating animals developed a specialization in labor and a rise in population that helped develop early civilizations in the China and India regions, as well as Western Civilizations in the Fertile Crescent and Mediterranean regions (Egypt, Greece, Rome). The evolution of European states during the Renaissance, Enlightenment, and Industrial Revolution led to exploration, colonization, and trade in the Americas, Africa, and the Far East. Critical tensions in Europe produced by tumultuous changes in the 19th Century erupted into two World Wars and many regional conflicts throughout the 20th Century.

United States History

(11)

(1 credit)

1 year

This class will help students to understand America and their own lives by studying the ideas, events and people of our country's past. The first semester emphasizes the struggle for independence from England, the writing of the Constitution and the Bill of Rights, sectionalism and the Civil War. In the second semester students study developments in the 20th Century in greater detail, starting with the Progressive Era and finishing with U.S./Middle East relations. Students utilize primary sources to supplement a standard text, but also participate in class discussions, mock trials, role playing activities and group exercises. Students will write a research paper in collaboration with English 11.

Civics (Government)

(12)

(.5 credit)

1 semester

This is a required class for seniors designed to develop an understanding and appreciation of American democratic ideals. Students will analyze the political processes and governmental institutions. Special emphasis is placed on experiential learning through personal involvement in political campaigns and the electoral process.

US History Honors/English 11 Honors (American Studies) (1 credit for each course)
(11) 1 year

Prerequisite: Instructor's permission and application.
These two courses will be taught jointly, studying the history and culture of the United States through fiction, biographies, essays, art, music, and films. We will analyze events, movements and ideas that have shaped America through thematic units such as the Frontier, Equal Opportunity, the Work Ethic, the American Dream, etc. These classes will promote individual inquiry, small group interaction and seminars to develop critical thinking skills and a richer understanding of culture.

Law (.5 credit)
(12) 1 semester

Prerequisite: Instructor's permission.
This course is a senior elective which introduces students to the American Legal System with an emphasis on the court system and the trial process in particular. Broad social issues like criminal justices, the sociology of law and everyday legal concepts are also discussed. Students have the opportunity to participate in mock trial competitions against other schools in the early spring, with the latter of the course being devoted to practical legal issues including consumer law, housing law, small claims court and marriage law.

Economics (.5 credit)
(12) 1 semester

This class for seniors is designed to develop an understanding and appreciation of the free enterprise system. In this course, students are introduced to the basic principles of economics as well as gaining practical business knowledge. Emphasis is placed on the role of private property, supply and demand, competition, markets, globalization, money and finances in the U.S. economic system.

Contemporary World Problems (.5 credit)
(12) 1 semester

This course is a senior Social Studies elective that brings together the personal and academic skills which have been learned in previous Social Studies courses, now focusing on the application of such skills to current world issues. Contemporary World Problems will be concerned with international relations, environment, economics, geography, and world politics. Topics will include such issues as globalization, free trade, humanitarian concerns, diplomacy, warfare and

regional conflicts. Such study and discussion can help students to better understand current world events, while acquiring the basics of good global education.

Social Sciences 12 Honors (1 credit)
Seattle University credit option available 1 year
(12)

Prerequisite: Instructor's permission.
This course is taught in conjunction with Seattle University's Matteo Ricci program, and must be taken with English 12 Honors and Theology 12 Honors. The content of this class parallels that of Civics/Economics, but students in this section also participate in rigorous writing and weekly seminar discussions of classic and contemporary works in political theory, economics, sociology, philosophy and theology.

Theology

As stated in our Mission Statement, our primary goal at Archbishop Murphy High School is the development of Christian leaders. We are a Roman Catholic school that welcomes students from all faith backgrounds. All students study Theology all four years. Theology is an academic course. It is designed to teach the skills of theological inquiry and provide the intellectual underpinnings of faith.

Theology 9 (1 credit)
(9) 1 year

In this course, freshmen explore the origins of religion and Judeo Christianity. The focus of the class is God the Father as Creator, Provider and Protector. Students explore in depth the Hebrew scriptures, and the journey of the Israelites to know God better and their struggle to obey God's will. **Freshmen complete 21 hours of community service through their parishes or other community organizations.** They are encouraged to serve in a variety of roles.

Theology 10 (1 credit)
(10) 1 year

Sophomore students focus their study on God as revealed in Jesus. Students examine historical, scriptural and theological information about Jesus Christ and learn how the kingdom of God is defined by Jesus and the early church. **Sophomores complete 24 hours of community service through their parishes or other community organizations.** They are encouraged to serve in a variety of roles.

Theology 11 (1 credit)
(11) 1 year

During junior year, students focus their study on the history of the Catholic Church: the development of doctrine, the evolution of the Sacraments and the missionary work of the Church over the past 2000 years. In this course, the focus is on God the Spirit empowering the faithful to respond to the challenge of the Kingdom. **Juniors complete 30 hours of community service through their parishes or other community organizations.** They are encouraged to begin to focus their service according to their particular gifts.

Theology 12 (1 credit)
(12) 1 year

During senior year, the students examine life choices in terms of personal morality and social justice. **Seniors complete 35 hours of community service at one placement.** Their work at this placement serves as the basis for the Senior Project due in the fourth quarter.

Theology 12 Honors (1 credit)
Seattle University credit option available 1 year
(12)

Prerequisite: Instructor's permission.
The honors section of this course is taught in conjunction with Seattle University's Matteo Ricci program, and must be taken with English 12 Honors and Social Studies 12 Honors. The content of this class parallels that of the regular Theology course, but students in this section also participate in rigorous writing and weekly seminar discussions of classic and contemporary works in political theory, economics, sociology, philosophy and theology.

Vocational/Technology

The opportune time to start your occupational plans for the future is when you start planning your four-year high school course of study. Classes in the Vocational/Technology Department can help you to develop life-long skills as well as give you a taste of various professions. Computer classes range from Fundamentals to AP Computer Science; Media classes run the gamut from an Introduction to the Media to Independent Study in Video Production. Publications are covered by Yearbook; Accounting, Personal Finance and Sports Medicine give real life skills that could lead to a fulfilling career.

Journalism I (.5 credit)
(11,12) 1 semester

Prerequisite: Instructor's permission and B+ average in English.

In this course, students study journalism. Professional articles written about current events serve as models for writing assignments. Writing news, feature, in-depth and sports articles will be covered, as well as editorial writing. Students will learn interview techniques such as paraphrasing and accurate attribution while further developing their communication skills. Grammar, proper word usage and mechanics will be included, and Associated Press style will be emphasized. Students will have opportunities to write articles for print in the school newsmagazine. Production elements such as editing and layout, photography, and desktop publishing are taught the second semester. Students will learn to use computers to word process, research and produce articles and page layouts.

Journalism II (.5 credit)
(11,12) 1 semester

Prerequisite: Instructor's permission and B+ average in English.

This course is a continuation of Journalism I.

Online Computer Fundamentals (.5 credit)
(9,10,11,12) 1 semester

The computer fundamentals course combines an analysis of basic computer operation with daily skills practice. Focus is on the Microsoft office suite, consisting of Word, Excel, PowerPoint and Access. The rudimentary nature of the course material, along with an independent study atmosphere, makes computer fundamentals ideal for beginning users as well as experienced users wanting to broaden an existing skill base. The computer fundamentals class is offered as an on-line course through the school course management system.

Personal Finance (.5 credit)
(10,11,12) 1 semester

This course is an introduction to understanding how to plan, analyze, manage, invest, grow and protect personal financial resources. This includes money management, credit management, insurance, investing, and financial planning.

Accounting (10,11,12) (.5 credit)
1 semester

This course would benefit students who are interested in pursuing a college degree in accounting, business, finance, marketing, or planning on owning their own business. The course work includes concepts such as: balancing a checkbook, preparing a budget, and understanding the use of credit card purchases versus cash purchases for goods and services.

AP Computer Science (11,12) (1 credit)
1 year

Prerequisites: Algebra 3-4/Trigonometry and instructor's permission.

The AP Computer Science course is a full-year course designed to prepare students for the College Board CS A test held in May. The JAVA programming language will be used for academic year 2005-06. Students use object oriented programming techniques integrated with standard procedural programming logic to gain basic programming skills. Included are topics on control structures, functions, arrays, classes, objects and algorithm design. A class wide case-study project is used as preparation for the test.

Media I (10,11,12) (.5 credit)
1 semester

This course focuses on the print, radio, film (movie, TV, video) and electronic media and their role in our society. Students will learn media development basics and editing techniques and will apply this knowledge to evaluating the influence of media in the United States (since 1890).

Media II (10,11,12) (.5 credit)
1 semester

Prerequisite: Media I or instructor's permission.

This second semester class, Media II, focuses on film and its influence on contemporary American culture. Areas of focus will vary each semester, including such topics as "History According to the Movies", "True Events on Film", and "Families in Film."

Yearbook (9,10,11,12) (1 credit)
1 year

Prerequisite: Instructor's permission.

This is a hands-on class which involves producing the AMHS yearbook, *Ad Astra*. Students learn publication planning, layout, design, photojournalism, writing stories and captions, as well as management techniques such as budgeting, soliciting advertising and working as a team. The class will learn production and editing techniques to complete both a print and a CD-ROM version of *Ad Astra*, including photos, video and sound.

Athletic Training/Sports Medicine (11,12) (.5 credit)
1 semester

This class is designed to introduce the high school student to Athletic Training and the themes within sports medicine. The following topics will be covered throughout the semester:

- Introductions to anatomy and physiology
- Sports related injury
- Rehabilitation
- Nutrition
- Exercise science
- Strength and conditioning
- Taping
- Injury recognition
- Injury prevention

The course carries a required 20 hours of student involvement with an athletic team. Students will have opportunities to demonstrate comprehension during sport games by assisting the head athletic trainer.

Archbishop Murphy High School admits students of any race, color, national and ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the school. It does not discriminate on the basis of race, color, national and ethnic origin in administration of its educational policies, admission policies, scholarship and loan programs, and athletic and other school-administered programs.

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