

**ST. ANTHONY'S HIGH SCHOOL
COURSE SELECTION BOOKLET**

**BROTHER DAVID ANTHONY MIGLIORINO, O.S.F.
PRINCIPAL**

**MR. PAUL WASHINGTON
DEAN OF FACULTY/DIRECTOR OF STUDIES**

**MRS. STEPHANIE GANCI
DIRECTOR OF SCHEDULING**

**MS. KATIE O'NEILL & MR. NICHOLAS VASILIADES
COORDINATORS OF CURRICULUM & INSTRUCTION**

Dear Students and Parents of the Class of 2024,

As we embark on the course selection process for the 2022-2023 school year, we would like to provide you some preemptive guidance on the process. The St. Anthony's curricular offerings are designed to challenge our students intellectually and prepare them for the future. Students should select courses in accordance with their individual goals for the next school, as well as their college and career ambitions. Before completing course selections, students should consult their teachers and guidance counselors.

IMPORTANT REMINDERS:

Course Selection Dates:

-Make sure to review the course selection dates on the next two pages and add them to your personal planners/calendars. The schedule is built based on course requests that are submitted on time. Please be aware that any late requests for schedule changes may not be granted due to limited available space in certain courses.

Teacher Recommendations:

-All initial core courses will be chosen via teacher recommendation. Students can access their original course list via the Campus Backpack beginning on January 25, 2022. Students are encouraged to speak to their current teachers if they have any questions regarding recommendations for next year.

Graduation / Advanced Regents / NCAA Requirements:

-Before your parents sign your final course list in March, please make sure you have reviewed pp. 34-38 and all the information on Graduation, Advanced Regents, and NCAA requirements.

Overload Electives:

Junior schedules permit one non-required course that operates in addition to the core 6.5 credit schedule. It is only recommended for highly motivated students who have exemplary skills in organization and time management. We ask that you only sign up for an Overload if you are quite sure you want to take the course and you understand you may have fewer free periods as a result.

Independent Electives:

There are Independent Electives available to Juniors in Music, Independent Science Research Honors & AP Research. An independent elective is a non-required course that operates outside the normal schedule. It is only recommended for highly motivated students who have exemplary skills in organization and time management. Students who are currently enrolled in Independent Science Research Honors will be automatically placed there for next year. Students who are currently enrolled in AP Seminar will be automatically enrolled in AP Research for next year. Students may apply for independent electives in Music by completing the overload form.

COURSE SELECTION DATES

JANUARY 2022						
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

JANUARY 10-22

Teachers will submit recommendations [requests] for Students based upon student's qualification for the course.

JANUARY 25

Course Selection starts for all students for the 2022-2023 year. All students will have access to their Tentative Course Requests/Recommendations for their Core Courses via the portal.

At this time students and parents can start submitting overload requests via the Overload and Add/Drop Forms.

FEBRUARY 2022						
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
28	28					

FEBRUARY 10

All Course Selection Forms (Overload & Add/Drop Forms) due for the 2022-2023 year.

MARCH 2022						
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

MARCH 15

All students will receive a **tentative list of their courses** for the next school year via Campus Backpack.

MARCH 19

All Students must hand in their Final Course Selection Sheet digitally, approved by parent/guardian, and submitted via Campus Backpack.

COURSE CHANGE WINDOWS

MAY 2022						
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

MAY 17

Students, parents, and guardians will receive the course verification form; this form is **not a schedule** but will list all the classes for which a student has successfully been scheduled.

At this time, students may request course changes. Course changes require departmental approval and are based on qualification for the class and space availability. We will make changes until **June 10, 2022.**

JUNE 2022						
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

JUNE 10

Deadline for course change requests without penalty.

AUGUST 1

10th, 11th, and 12th grade students, parents, and guardians will receive student schedules on Campus Backpack without teachers.

At this time, students may request course changes. Course Changes require approval from Departmental Chairs and Academic Dean. **A processing fee of \$50 will be charged** at this time for any course change request. If a change is not approval, a refund will be issued.

Approvals are based on qualifications for the class an space availability. These changes are limited to one per student. We will make changes until **August 12, 2022.**

AUGUST 2022						
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

AUGUST 12

Final deadline for course change requests. There are no schedule changes once school begins.

DIPLOMA CHECKLIST
CORE COURSES AND EXAMS, WHICH MUST BE TAKEN

English

English 9 English 10 English 11 Pass English Regents
 English 12 **OR** Two (2) half credit College Courses **OR** AP English Language/AP English Literature

Social Studies

Soc. Studies 9 **OR** AP World History: Modern
 Soc. Studies 10 **OR** AP European History Pass Global History Regents (Sophomore Year)
 Soc. Studies 11 **OR** AP United States History Pass US History Regents (Junior Year)
 Government Economics Government/Economics H **OR** AP Macro Economics **OR** AP Micro Economics
OR AP U.S. Government and Politics **OR** AP Comparative Government and Politics

Foreign Language

Spanish 9 Spanish 10 Spanish 11 Pass Checkpoint B Exam
OR
 French 9 French 10 French 11 Pass Checkpoint B Exam
OR
 Italian 9 Italian 10 Italian 11 Pass Checkpoint B Exam

Mathematics

Pass Algebra Regents Pass Geometry Regents
 Grade 9 Math Course Grade 10 Math Course Grade 11 Math Course
 Pass Algebra 2 and Trigonometry Regents (required of students who elect Algebra. 2 / Trig.)

Science

Living Environment (pass Living Environment Regents)
 Physical Science (*pass Earth Science Regents or Chemistry Regents or Physics Regents*)
(OR Forensics) **(OR** Forensics H) **(OR** Marine Science) **(OR** Environmental Science)
(OR Newtonian Physics) **(OR** AP Environmental Science) **(OR** AP Biology) **(OR** AP Chemistry)
(OR AP Physics I) **(OR** AP Physics II) **(OR** Microbiology H) **(OR** Human Anatomy H)
(OR Science Research H) **(OR** Organic Chemistry H)

1 year of Fine Art (Chorus, Band, Orchestra, Studio in Art, Studio in Media Arts, Theatre Arts, Bagpipes/Drums, Intro to Music: Keyboard Skills, Percussion Ensemble)
 Half credit Health
 Phys Ed. 9 Phys Ed. 10 Phys Ed. 11 Phys. Ed. 12

Elective (senior year) Elective (senior year) Elective (senior year) (3 credits required)

11th Grade Credit Parameters
(Minimum 6.5 Credits - Maximum 8.5 Credits)

Standard without Fine Arts (6.5 Credits)

All students must take a minimum of 6.5 credits
(Theology, English, Foreign Language, Math, P.E. (.5), Science, Social Studies)

Standard with Scheduled Academic Elective or Fine Arts (7.0-7.5 Credits)

All students must take a minimum of 6.5 credits
(Theology, English, Foreign Language, Math, P.E. (.5), Science, Social Studies)
+ Academic Elective (.5-1 credits)

Standard with only an Independent Elective (7.5)

All students must take a minimum of 6.5 credits
(Theology, English, Foreign Language, Math, P.E. (.5), Science, Social Studies)
+ *Science Research, AP Research, Principles of Marketing, Mandarin Chinese I Honors,*
AP Computer Science Principles or Introduction to Computer Science (1 credit)

Standard with (Scheduled Academic Elective or Fine Arts) + Independent Elective (8 - 8.5 Credits)

All students must take a minimum of 6.5 credits
(Theology, English, Foreign Language, Health (.5), Math, P.E. (.5), Science, Social Studies)
+ *Science Research, AP Research, Principles of Marketing, Mandarin Chinese I Honors,*
AP Computer Science Principles or Introduction to Computer Science (1 credit)
+ Fine Arts (.5-1 credits)

Standard with Scheduled Academic Elective, Independent Elective & Fine Arts Elective (9.5 Credits)

+ All students must take a minimum of 6.5 credits
+ (Required: Theology, English, Social Studies, P.E. + 3.5-4 Elective Credits)
+ *Independent Science Research (1 credit) + Fine Arts Elective (1 credit)*

11th Grade Electives

Half Credit Courses:

Drawing and Painting
Drawing and Painting Honors
Theatre Arts II Honors
Musical Theatre Workshop Honors
Film Production
Film Appreciation
Ceramics
Digital Photography
Digital Illustration and Design

Full Credit Courses:

American Sign Language
Chinese I Honors
Chorus
Gregorian Schola Honors
Instrumental Music / Instrumental Music Honors
Music Theory
Percussion Ensemble / Percussion Ensemble Honors
Introduction to Music: Keyboard Skills
Studio in Media Honors
AP 2-D Art and Design
AP Art History
AP Statistics
AP Computer Science A
AP Computer Principles
Computer Science Honors
Introduction to Engineering
Advanced Engineering
Business Law Honors - College Level
Principles of Marketing - College Level
Business Data Analytics & Entrepreneurship Honors
Business & Personal Finance Honors
Marine Science
Microbiology Honors - College Level
Organic Chemistry Honors
Environmental Science
Forensic Science
Forensic Science Honors - College Level
Human Anatomy and Physiology Honors - College Level

Independent Electives

Independent Science Research Honors
AP Research
Jazz Band
Intro to Bagpipes
Bagpipes
Bagpipes Honors
Percussion Ensemble

THEOLOGY DEPARTMENT

Brother Richard Contino, O.S.F., Chairman

6303 MORAL THEOLOGY
Full Year Course - 1 Credit
11th Year Level
Weight: 1.00

This course assists the student in applying Sacred Scripture to their moral life and understanding the social teachings of the Roman Catholic Church. The following fundamental areas of Catholic Moral Theology will be studied: the relationship between Christ and morality, the reality of sin, the natural law tradition, the proper use of freedom, the role of conscience in our moral decisions, and cultivating virtue. In addition, students will learn to appreciate the biblical foundation of Saint Pope John Paul II's Theology of the Body and gain insights into the relationships between men and women and the mystery of love.

6315 THE MORAL VOICE IN THE MODERN WORLD - HONORS (College Credit)
Full Year Course – 1 Credit - additional fee required if taking for College Credits
11th Year Course – Limited Enrollment
Weight: 1.05

Honors classes will meet 6 out of 7 days in each cycle

To be considered for this Honors Course, a minimum of 90% in the present Theology course and a cumulative Grade Point Average of 90% is required. Acceptance into an Honors Course is provisional until determination is made based on Final Exam Grades and the Final Grade for the present course.

This course will examine critical moral issues that have been part of the human experience throughout time, as well as those ethical concerns that have surfaced more recently. Some topics covered will include medical ethics, life/death issues, sexual ethics, and social justice issues. A foundation for addressing these issues will include discussion on conscience formation, laws and principles, the reality of evil in our world, pertinent biblical teachings and Roman Catholic Church teachings. Students will also be introduced to Saint Pope John Paul II's work on the Theology of the Body.

This is a college course in which college credits will be awarded upon successful completion of its requirements: payment of a fee and a minimum final grade of 80%.

ENGLISH DEPARTMENT

Mrs. Nancy Kennedy, Chairwoman

1313 **AMERICAN LITERATURE**

Full Year Course - 1 Credit
11th Year Level
Weight: 1.00

This Junior course focuses upon the study of American Literature in works representative of the decades spanning America's Puritan beginnings up to and including works of our modern age. The course emphasizes the trend in the written word which reflects the growth of the American spirit and its values. To this end, students are also encouraged to master the literary genres represented in the course selections and to acquire those additional skills needed for proficiency in composition and grammar. At this level of English, students are required to study the proper method of writing a formal research paper and submit a research paper as a Junior year requirement. Students are required to take the English Regents Examination and Final Examination.

1315 **AMERICAN LITERATURE HONORS**

Full Year Course - 1 Credit
11th Year Level
Weight: 1.05

To enter this Junior Honors Course, a minimum of 90% in the present course and a teacher recommendation is required. Acceptance into an Honors Course is finalized by Departmental approval and is provisional until determination is made based on Final Exam grades and the final grade for the present course.

The American Literature Honors course focuses on the development of American Literature from the seventeenth century to the present. Hawthorne, Melville, Emerson, Thoreau, Twain and Whitman are emphasized. It is required that the student entering this program will be self-motivated and mature in their approach to the demands of a more extensive writing and reading program. The required writing is devoted to an analysis of the literature in the area of structure, character development, theme, use of symbolism and figurative language, thereby enabling the students to gradually acquire the skills of literary criticism. Vocabulary and writing skills are stressed. American Literature Honors is designed for students with above average motivation. At this level of English, students are required to study the proper method of writing a formal research paper and submit a research paper as a Junior year requirement. Students are required to take the English Regents Examination and Final Examination.

1428 **AP ENGLISH LANGUAGE AND COMPOSITION**

Full Year Course - 1 Credit - AP Examination Required – additional fee
11th and 12th Year Level - Departmental Approval Required
Weight: 1.10

To enter this AP Course, a minimum of 92% in the present course and a teacher recommendation is required. Acceptance into an AP Course is finalized by Departmental approval and is provisional until determination is made based on Final Exam/Regents grades and the final grade for the present course.

The Advanced Language and Composition Course is a College Course for students who are prepared and eager to accept the challenge of introductory college-level work in English. AP Language and Composition is primarily a writing course in which students read and carefully analyze a broad and challenging collection of writings as well as visual texts to deepen their awareness of how writers use language effectively. Grammar usage, mechanics and vocabulary instruction will occur in the context of student writing and in the analysis of written passages. The Advanced Placement Examination, taken in May, is a requirement of this course.

8833 JAZZ BAND

Full Year Course - 1 Credit

Open to all Students - Pre-requisite: Audition Required/Approval of Band Director
Student must be in Concert Band, Symphonic Band or Orchestra (except guitar and bass guitar)

Weight: 1.00

This course meets every Tuesday at 5:15 p.m. – 6:45 p.m.

This is a performance course for students with advanced instrumental ability. Music played is from the Big Band sound to today's pop style literature. Members of the Jazz Band are required to perform in the Christmas, Spring and special concerts.

8835 JAZZ BAND - HONORS

Full Year Course - 1 Credit

Open to all Students - Pre-requisite: Audition Required/Approval of Band Director

Weight: 1.05 Open to all Students in the instrumental music department

This course meets every Tuesday at 5:15 p.m. – 6:45 p.m.

To enter this honors course, each student must audition for the Jazz Band Director or obtain a recommendation from the Jazz Band Director. This is a performance course for students with advanced skills in jazz music. The student will further sharpen musical skills and examine historical and interpretive elements in written and improvised jazz music. All students in the honors jazz band will be required to take an improvised solo at two of our three public appearances (Christmas Concert, Spring Concert, or Jazz Band Concert). Students will also be required to write one single-spaced, five page paper on a jazz related topic of the Jazz Band Director's choosing. Lastly, students will attend extra rehearsals and learn additional, more challenging music to be presented at the St. Anthony's Jazz Band Concert.

8901 PERCUSSION ENSEMBLE

Full Year Course - 1 Credit

Open to All Students - Pre-requisite: Audition and Approval of Ensemble Director Required

Weight: 1.00

This course meets every Tuesday at 2:45 p.m. – 4:00 p.m.

This is a performance course for students with varied ability in percussion skills. Music performed will include a variety of repertoire from multiple music traditions including: western classical music, African drumming traditions, pop style literature, Latin jazz, and Brazilian Samba. Students will develop and hone skills in basic playing technique, listening, reading music, ensemble collaboration, understanding of differing performance styles, improvisation, and leadership. Members of the Percussion Ensemble are required to attend weekly rehearsals and perform in the Christmas and Spring music department concerts as well as their own concert in the Spring.

8901 PERCUSSION ENSEMBLE HONORS

Full Year Course - 1 Credit

Open to All Students - Pre-requisite: Audition and Approval of Ensemble Director Required

Weight: 1.05

This course meets every Tuesday at 2:45 p.m. – 4:00 p.m.

This is a performance course for students with varied ability in percussion skills. Music performed will include a variety of repertoire from multiple music traditions including: western classical music, African drumming traditions, pop style literature, Latin jazz, and Brazilian Samba. Students will develop and hone skills in basic playing technique, listening, reading music, ensemble collaboration, understanding of differing performance styles, improvisation, and leadership. Members of the Percussion Ensemble are required to take private lessons and attend weekly rehearsals and perform in the Christmas and Spring music department concerts as well as their own concert in the Spring.

8853 ORCHESTRA
Full Year Course - 1 Credit
Open To All Students - Pre-requisite: Approval of Orchestra Director Required
Weight: 1.00

This is a performance course designed specifically for Orchestral Instrumentalists of varied ability. Through technical direction, sectional practice, ensemble technique, and aesthetic overview, the student develops skills necessary for the critical performance of symphonic literature. Members of the Orchestra are required to perform in the Christmas and Spring Concerts. Private study is encouraged for all; however, private study is required for all winds, brass, percussion and pianist.

8855 ORCHESTRA HONORS
Full Year Course - 1 Credit
Open To All Students - Pre-requisite: Approval of Orchestra Director Required
Weight: 1.05 Private Lessons Required

To enter this Honors course, a minimum of 90% average and a teacher recommendation is required. In addition to Orchestra, students must also perform in Chamber Music Ensemble or Pep Band, as well as serve the ensemble in a leadership position.

Additionally, historical and musical analysis of the compositions being performed, with tests and academic reports, are an integral component of this class.

8864 INTRODUCTION TO MUSIC: KEYBOARD SKILLS
Full Year Course – 1 Credit – **this course fulfills NY State requirement for Fine Arts**
Open To All Students - Pre-requisite: Audition by Teacher Required for Placement
Weight: 1.00

Through the medium of the piano, students will explore music as experienced in different countries and cultures throughout the world. In addition, students will go through the history of music while discovering a diversity of styles including classical, folk and popular music as they pertain to their respective cultural regions. This course can help create a foundation and appreciation of music on a global scale with a diversified hands-on survey of cultures through learning the piano

8861 INTRODUCTION TO BAGPIPES
Full Year Course – 1 Credit
Open to All Students
Weight: 1.00

This course meets every Monday at 2:45 p.m. – 5:00 p.m. in the Chorus Room on the lower level of the Student Center. This course is open to all students seeking to learn how to play the Great Highland Bagpipes. Students are not required to have any previous musical experience, only the desire to learn and the commitment to practicing their lessons. Students are provided with a practice chanter and a copy of an instructor generated course material booklet. They receive basic level instructions in reading, writing, listening and playing activities to begin developing their basic skills, playing skills and musical notation skills as it pertains to Bagpiping. The artistry of music is developed according to the potential of the students and opportunities to give service to the school and community is provided through performances in public. By the conclusion of this course, a student will begin to transition from playing a practice chanter to playing a Great Highland Bagpipe. **In lieu of the flexibility with other after school classes/activities, school holidays, and other events which may interfere with the regular Monday meeting, there may be an additional class meeting set at the discretion of the instructors either after school or during one free per 7 day cycle.**

8862 BAGPIPES

Full Year Course – 1 Credit

Open to All Students - Pre-requisite: Intro. To Bagpipes (or equivalent) Student MUST Be Able to Read Music

Weight: 1.00

This course meets every Thursday at 2:45 p.m. – 5:00 p.m. in the Chorus Room on the lower level of the Student Center.

This is a performance course for students with already developed basic skills in bagpiping. The student will continue to develop their skills in playing the Great Highland Bagpipe and become a member of the Celtic Friars Pipe Band. The student continues to develop musical skills through the study of varied musical material and performance techniques. Basic show and marching band techniques will also be introduced. The artistry of music continues to be developed according to the potential of the students and opportunities to give service to the school and community is provided through performances in public. Members of the Celtic Friars Pipe Band are required to perform in various concerts, parades and for athletic events throughout the school year. By the conclusion of the course, a student will develop a full repertoire of pipe band music and the skill and confidence needed to start both individual and band level competitive experiences. **Conflicts with some extracurricular activities may occur.**

8865 BAGPIPES - HONORS

Full Year Course – 1 Credit

Open to All Students – Pre-requisite: Audition and Approval of Pipe Band Director Required

Weight: 1.05

This course meets every Thursday at 2:45 p.m. – 5:00 p.m. in the Chorus Room on the lower level of the Student Center.

Teacher recommendation is required. This is a performance course for students with advanced skills in bagpiping. Through this course, the student will further sharpen musical skills and examine historical and interpretive elements of classical bagpiping, Piobaireachd, as well as strengthen their skills as an individual piper through individual competitive experiences. The student will develop leadership skills by serving in leadership positions with the Celtic Friars Pipe Band while performing in various concerts, parades, athletic events, and both Eastern United States Pipe Band Association (E.U.S.P.B.A.) Metropolitan Branch sanctioned Individual and Band Competition events. Historical and musical analysis of the compositions being performed, with academic reports, are an integral component of this class and individual original musical compositions are encouraged. By the conclusion of this course, a student will have developed a full repertoire of pipe band music and the skill and the necessary confidence needed to actively participate in both individual and band level competitive experiences. **Conflicts with some extracurricular activities may occur.**

8911 INTRODUCTION TO HIGHLAND PIPE BAND DRUMMING

Full Year Course – 1 Credit

Open to All Students

Weight: 1.00

This course meets every Monday at 2:45 p.m. – 5:00 p.m. in the Chorus Room on the lower level of the Student Center.

This course is open to all students seeking to learn how to play Highland Snare, Bass, or Tenor Drums. Students are not required to have any previous musical experience, only the desire to learn and the commitment to practicing their lessons. Students are provided with a practice pad and one (1) pair of drumsticks/mallets and a copy of an instructor generated course material booklet. They receive basic level instructions in reading, writing, listening and playing activities to begin developing their basic skills, playing skills and musical notation skills as it pertains to Pipe Drum Drumming. The Base and Tenor Drummers also receive the basics of how to “start” and “stop” the Band, how to keep a steady “street beat” while marching, and the concepts of a “slow March”, time settings and self awareness. The artistry of music is developed according to the potential of the students and opportunities to give service to the school and community is provided through performances in public. By the conclusion of this course, a student will be beginning to transition from playing on a practice pad to playing a Snare, Bass or Tenor Drum. **Conflicts with some extracurricular activities may occur.**

8912 HIGHLAND PIPE BAND DRUMMING

Full Year Course – 1 Credit

Open to All Students - Pre-requisite: Intro. To Highland Pipe Band Drumming (or equivalent)

Student Must Be Able to Read Music

Weight: 1.00

This course meets every Thursday at 2:45 p.m. – 5:00 p.m. in the Chorus Room on the lower level of the Student Center.

This is a performance course for students with already developed basic skills in Pipe Band Drumming. Through this course, the student will continue to develop and sharpen their musical skills in playing the Snare, Bass, or Tenor Drum and become a member of the Celtic Friars Pipe Band. The student continues to develop musical skills through the study of varied musical material and performance techniques. Basic show and marching band techniques will also be introduced. The Bass and Tenor Drummers continue to develop their skills with “starting” and “stopping” the Band, developing and maintaining a steady “street beat” while marching, playing “slow March”, time settings, self-awareness and the basics of competitive Bass and Tenor Drumming. The artistry of music continues to be developed according to the potential of the students and opportunities to give service to the school and community is provided through performances in public. Members of the Celtic Friars Pipe Band are required to perform in various concerts, parades and for athletic events throughout the school year. By the conclusion of the course, a student will develop a full repertoire of pipe band music and the skill and confidence needed to start both individual and band level competitive experiences. **Conflicts with some extracurricular activities may occur.**

8915 HIGHLAND PIPE BAND DRUMMING - HONORS

Full Year Course – 1 Credit

Open to All Students – Pre-requisite: Audition and Approval of Pipe Band Director Required

Weight: 1.05

This course meets every Thursday at 2:45 p.m. – 5:00 p.m. in the Chorus Room on the lower level of the Student Center.

Teacher recommendation is required. This is a performance course for students with advanced skills in Pipe Band Drumming. Through this course, the student will further develop and sharpen their musical skills and examine the historical and interpretive elements of Pipe Band Drumming, as well as strengthening their skills as an individual drummer through individual competitive experiences. The Bass and Tenor Drummers will continue to sharpen their skills with “starting” and “stopping” the Band, developing and maintaining a steady “street beat”, “slow March”, while focusing more on the competitive aspects of Bass and Tenor Drumming. The student will develop leadership skills by serving in leadership positions with Celtic Friars Pipe Band while performing in various concerts, parades, athletic events and at both Eastern United States Pipe Band Association (E.U.S.P.B.A.) Metropolitan Branch sanctioned Individual and Band Competition events. Historical and musical analysis of the compositions being performed, with academic reports, are an integral component of this class and individual original musical compositions are encouraged. By the conclusion of this course, a student will have developed a full repertoire of pipe band music and the skill and the necessary confidence needed to actively participate in both individual and band level competitive experiences. **Conflicts with some extracurricular activities may occur.**

8653 MUSIC THEORY

Full Year Course - 1 Credit

10th, 11th and 12th Year Level - Pre-requisite: Student Must Be Able To Read Music - Approval of Music Instructor Required

Weight: 1.00

This course is open only to students who read music. Students are provided with reading, writing, singing, and listening activities to sharpen their skills of musical notation. Topics include terminology, construction of scales, intervals, chords, basic harmonic, melodic, and rhythmic patterns, techniques of analysis, score reading, dynamics and phrasing, as well as an introduction to the methods of musical composition. Passing a musical aptitude test is mandatory.

8183 THEATRE ARTS I: An Introduction to Acting and Improvisation

Full Year Course - 1 Credit

Open to All Students

Fulfills the Graduation Requirement of 1 Full Credit of Fine Art

Weight: 1.00

This course will explore the fundamentals of acting and improvisation. Small and large group activities explore and express the balance of exterior and interior life through the development of basic body and vocal techniques, sensory awareness, pantomime, public speaking and improvisation. The goal of the course is to develop the student's concentration, creativity, individuality, and self-expression while gaining a deeper knowledge and appreciation of theatre. Students will build upon the skills learned in the first half of the course in hope of creating a spontaneous life on stage through a variety of short and long form improvisations modeled after the intro class of the UCB (Upright Citizen's Brigade), a professional improvisational theatre/training center located in New York City.

8145 THEATRE ARTS II - HONORS: SCENE STUDY

One Semester Course - ½ Credit

10th, 11th, 12th Year Level

Prerequisite: Approval of Drama Instructor required

Weight: 1.05

Theatre Arts II Honors: Scene Study is a course in advanced acting which applies the skills achieved in the preliminary theatre courses directly to dramatic literature. The development of characterization and character relationships as they stem from the playwright's words is key to the dramatic process. Students will explore the objectives and motivations of characters from a variety of different plays while learning the basics of staging a theatrical scene. The goal of the course is to prepare the serious student for continued work at the college level. Attendance at an outside performance is mandatory.

8144 MUSICAL THEATRE WORKSHOP

One Semester Course - ½ Credit

10th, 11th, 12th Year Level

Prerequisite: Approval of Drama Instructor required

Weight: 1.00

This performing arts course explores the history of the American Musical Theatre as well as further developing the skills needed to interpret and execute a variety of musical theatre scenes and songs. Students will develop their acting, movement and vocal performance techniques through active participation and reflection. The course will also teach auditioning skills and foster the art of collaboration. A broad overview of the history, styles, works and artists of the musical theatre genre is included. The course will conclude with a public performance.

8203 STUDIO IN ART

Full Year Course - 1 Credit

Open to All Students

Fulfills the Graduation Requirement of 1 Full Credit of Fine Art

Weight: 1.00

This course for beginners is a hands-on studio experience for students wishing to explore and strengthen their skills of perception, critical thinking, decision making, and their artistic talents. It introduces the Elements of Design and Principles of Design, and teaches students to successfully incorporate them into their own artwork. Students will become knowledgeable about and make use of varied art materials. Major periods and figures in the history of art are touched upon in conjunction with class projects. All art supplies required for the course are provided at the start of the course, and an art supply fee will be collected the first week of classes.

8215 STUDIO IN MEDIA ARTS - HONORS
Full Year Course - 1 Credit
Open to Advanced Beginners
Fulfills the Graduation Requirement of 1 Full Credit of Fine Art
Weight: 1.05

This full year art course will explore the fundamentals of art and design using the computer and tablet as art-making tools. Students will receive a guided curriculum learning industry-standard art and design software from the Adobe Creative Cloud (specifically Photoshop and Illustrator). Similar to the Studio in Art courses, this course will act as a prerequisite for most other art courses. An art materials fee will be collected the first week of class.

8455 PORTFOLIO PREP - HONORS
Full Year Course - 1 credit
Prerequisite: 1.0 credits of Visual Art classes and Approval of Art Director
Weight: 1.05

This is a course to prepare students who are planning a future career in art, as well as for those who want to embrace their artistic talent as an integral part of their identity. Students will create a portfolio that contains a body of work that is supportive of their goals. Students' work will encompass a breadth of experience and mediums, including oil paint, printmaking, and portraiture. All art supplies required for the course are provided at the start of the course, and an art supply fee will be collected the first week of classes.

8462 DRAWING AND PAINTING
One Semester Course - ½ Credit
No prerequisites
Open to 10th, 11th, and 12 Year
Weight: 1.00

This half-year course allows students to continue their study of drawing and painting, as they create well-designed and meaningful artwork. Students will strengthen skills learned in their prior art course(s), and at the same time further develop their own understanding of using art materials. Students will gain a stronger understanding of three-dimensional rendering and advanced color theory. All art supplies required for the course are provided at the start of the course, and an art supply fee will be collected the first week of classes.

8465 DRAWING AND PAINTING - HONORS
One Semester Course - ½ Credit
Prerequisite: Approval of Art Director
Open to 10th, 11th, and 12 Year
Weight: 1.05

This is a course that empowers students to continue their mastery of drawing and painting as they create well-designed and meaningful artwork. Students will strengthen skills learned in their prior art course(s), and further develop their own creative style using new materials and techniques. A set of art supplies required for the course is provided the first week of classes, and a fee for those supplies will be collected that week.

8413 CERAMICS
One Semester Course - ½ Credit
No prerequisites
Open to 10th, 11th, and 12 Year
Weight: 1.00

This course introduces the student to the fundamentals of three-dimensional design in clay. Students are taught the basic methods of hand building and the principles of decoration, design in clay, and glazing. Students are presented with the history of ceramics and its development in different cultures. An art materials fee will be collected the first week of class.

8483 DIGITAL ILLUSTRATION AND DESIGN

One Semester Course - ½ Credit

Prerequisite: Studio in Art or Studio in Media Honors; Approval of Art Director Required

Open to 10th, 11th, and 12 Year

Weight: 1.00

This half-year course will teach the foundations of digital art using Adobe Photoshop and Adobe Illustrator. Concepts previously covered in previous courses will be expanded upon and utilized to complete projects on the computer. Students will be able to navigate the basic Adobe interface, utilize a graphic pen tablet, and understand the difference between pixel-based and vector based illustration and design. Open to Sophomores who have taken Studio in Media Honors, Juniors, and Seniors. An art materials fee will be collected the first week of class.

8443 DIGITAL PHOTOGRAPHY

One Semester Course - ½ Credit

11th & 12th Year Level

Weight: 1.00

Digital Photography focuses on developing a student's skills in both composition and creative picture taking. Students are required to have their own digital camera with removable storage (SD card) at the beginning of the course. A DSLR (digital single-lens reflex) or mirrorless camera with removable lens and a full range of f-stops is recommended. Students will be provided with an Adobe Creative Cloud account for the duration of the course, and will be introduced to Lightroom for file organization and adjustments, and Photoshop for more extensive photo editing and manipulation. An art fee will be collected the first week of class.

8513 FILM PRODUCTION

One Semester Course - ½ Credit

11th & 12th Year Level

Weight: 1.00

Film Production is a course that teaches students how to create short visual narratives from concept to finish with the use of video cameras and professional film editing software. Students will study basic equipment operation, all phases of production, film composition, basic lighting and audio planning, and visual storytelling.

8493 FILM APPRECIATION

One Semester Course - ½ Credit

No prerequisites

Open to 10th, 11th, and 12 Year

Weight: 1.00

This half-year course will focus on creating awareness, discussion, and evaluations of major films throughout history. Each film will be analyzed on its acting, editing, and impact in modern culture and future filmmaking. Classroom instruction will emphasize the auditory and visual experiences of the cinematic art wall as the film's influence in the film industry.

8207 INTRODUCTION TO 3D MODELING

One Semester Course - 1/2 Credit

Prerequisite: Studio in Media Honors, Digital Illustration & Design, or Ceramics OR Approval of Art Director

Weight: 1.00

Students in this course will learn to create volumetric 3D artworks on a computer and how to fabricate/print them on an FDM and SLA printers. Students will become familiar with 3D modeling software interfaces and terminology that is common between multiple platforms. Software, computers, and 3D printers will be provided for student use. An art supply fee will be collected the first week of classes.

FOREIGN LANGUAGE DEPARTMENT

Mrs. Maritza Acosta, Chairwoman

5303 **FRENCH 11**

Full Year Course - 1 Credit

Prerequisite: Successful Completion of French 10 (5203) or (5205)

Transfer Students Require Approval of Chairwoman

Weight: 1.00

This course integrates all four skills: conversation, comprehension, reading, and writing. In order to give the student a real ability to use the target language effectively, most communication is in the foreign language. While much of the previously learned grammar and vocabulary is reinforced, new topics will be continually introduced. Sophomore students who are enrolled in this level must take French 12 after completing this course in order to fulfill St. Anthony's High School requirement of a three-year course of foreign language study. Checkpoint B Exam will be taken at the end of the course.

5305 **FRENCH 11 HONORS**

Full Year Course - 1 Credit

Weight: 1.05

To enter this Honors Course, a minimum of 90% in the present course and a teacher recommendation is required. Acceptance into an Honors Course is provisional until determination is made based on Final Exam Grades and the Final Grade for the present course.

This course is partially conducted in the target language. The course integrates the four skills: conversation, comprehension, reading, and writing. While much of the previously learned grammar and vocabulary is reinforced, new topics will be continually introduced. Grammatical and structural review is limited to necessity. While this level covers similar material to French 11, the work is done at a more intense level. Checkpoint B Exam will be taken at the end of the course.

5353 **SPANISH 11**

Full Year Course - 1 Credit

11th Year Level Prerequisite: Successful Completion of Spanish 10 (5253)

Transfer Students Require Approval of Chairwoman

Weight: 1.00

This course integrates all four skills: conversation, comprehension, reading, and writing. In order to give the student a real ability to use the target language effectively, most communication is in the foreign language. While much of the previously learned grammar and vocabulary is reinforced, new topics will be continually introduced. Sophomore students who are enrolled in this level must take Spanish 12 after completing this course in order to fulfill St. Anthony's High School requirement of a three-year course of foreign language study. Checkpoint B Exam will be taken at the end of the course.

5363 **SPANISH 11 EXPERIENCED**

Full Year Course – 1 Credit

11th Year Level Prerequisite – Successful Completion of Spanish 10 Experienced (5263)

Teacher Recommendation Required

Weight: 1.00

This course is designed for those students who have completed two years of formal study of Spanish at St. Anthony's. This course maintains higher levels of conversation, comprehension, writing and reading. Spanish 11 Experienced is designed for students who are comfortable with intermediate grammar topics and vocabulary concepts from their previous years of study. These students will benefit from an in-depth program of language study.

5355 SPANISH 11 HONORS
Full Year Course - 1 Credit
Weight: 1.05

To enter this Honors Course, a minimum of 90% in the present course and a teacher recommendation is required. Acceptance into an Honors Course is provisional until determination is made based on Final Exam Grades and the Final Grade for the present course.

This course is partially conducted in the target language. The course integrates the four skills: conversation, comprehension, reading, and writing. While much of the previously learned grammar and vocabulary is reinforced, new topics will be continually introduced. Grammatical and structural review is limited to necessity. While this level covers similar material to Spanish 11, the work is done at a more intense level. Checkpoint B Exam will be taken at the end of the course.

5333 ITALIAN 11
Full Year Course - 1 Credit
Prerequisite: Successful Completion of Italian 10 (5233) or (5243)
Weight: 1.00

This course integrates all four skills: conversation, comprehension, reading, and writing. In order to give the student a real ability to use the target language effectively, most communication is in the foreign language. Previously learned vocabulary and grammar is reinforced, new topics will be continually introduced. Checkpoint B Exam will be administered at the end of this course.

5335 ITALIAN 11 HONORS
Full Year Course - 1 Credit
11th year Level Prerequisite: Successful completion of Italian 10 (5243)
Weight: 1.05

To enter this course a minimum of 92% in the present course and a teacher recommendation is required. Acceptance into an Honors Course is provisional until determination is made based on Final Exam Grades and Final Grade for the present course.

This course is partially conducted in the target language. The course integrates the four skills: conversation, comprehension, reading, and writing. While much of the previously learned grammar and vocabulary is reinforced, new topics will be continually introduced. Grammatical and structural review is limited to necessity. While this level covers similar material to Italian 11, the work is done at a more intense level. Checkpoint B Exam will be taken at the end of the course.

5408 AP FRENCH LANGUAGE AND CULTURE
Full Year Course - 1 Credit - AP Examination Required – additional fee
11th & 12th Year Level - Permission of Chairwoman Required
Weight 1.10

To enter this AP Course, a minimum of 92% in the present course and a teacher recommendation is required. Acceptance into an AP Course is provisional until determination is made based on Final Exam Grades and the Final Grade for the present course. A summer assignment packet will be provided to accepted students.

This full year Foreign Language course is designed to help students succeed on the AP Exam, which is given in May. The class will be conducted primarily in French, and will focus on a wide range of advanced grammar topics. Students will be expected to use French as much as possible in the classroom, and should understand that a significant amount of independent work will be required outside of class (reading French websites or magazines, listening to French radio or television stations, etc.) in order to fully benefit from advanced language study. All four components of language learning will be strengthened: speaking, reading, writing and comprehension. This is an intense class, which requires a high level of dedication on the part of the student. Limited Enrollment

5465 ADVANCED SPANISH 12: CONVERSATION AND GRAMMAR – HONORS (COLLEGE CREDITS)

Full Year Course - 1 Credit – **additional fee required if taking for College Credits**

11th & 12th Year Level - Permission of Chairwoman Required

Weight 1.05

To enter this Honors Course, a minimum of 90% in the present course and a teacher recommendation is required. Acceptance into an Honors Course is provisional until determination is made based on Final Exam Grades and the Final Grade for the present course.

This full year Foreign Language course is divided into two semester courses. The course is conducted entirely in Spanish. Students are encouraged to use the target language not just in class but throughout their day. The class enhances the learning of Spanish culture and different pronunciations through music, song lyrics, TV shows and movies. The students should be able to use Spanish to: understand readings, conversations, presentations by teacher and other students, current event articles, songs and magazines; hold a conversation, have debates, express themselves eloquently in Spanish; and write original short stories and compositions based on works read in class. This is a college course in which college credits will be awarded upon successful completion of the college requirements, which are: payment of a fee and a minimum final grade of 80%.

Limited Enrollment

5458 AP SPANISH LANGUAGE AND CULTURE

Full Year Course - 1 Credit - A. P. Examination Required – **additional fee**

11th & 12th Year Level - Permission of Chairwoman Required and approval of current Spanish Teacher

Weight 1.10

To enter this AP Course, a minimum of 92% in the present course and a teacher recommendation is required. Acceptance into an Honors Course is provisional until determination is made based on Final Exam Grades and the Final Grade for the present course. A summer assignment packet will be provided to accepted students.

This full year Foreign Language course is designed to help students succeed on the AP Exam, which is given in May. The class will be conducted primarily in Spanish, and will focus on a wide range of advanced grammar topics. Students will be expected to use Spanish as much as possible in the classroom, and should understand that a significant amount of independent work will be required outside of class (reading Spanish websites or magazines, listening to Spanish radio or television stations, etc.) in order to fully benefit from advanced language study. All four components of language learning will be strengthened: speaking, reading, writing and comprehension. This is an intense class, which requires a high level of dedication on the part of the student.

Limited Enrollment

5875 LATIN I - HONORS (JUNIORS & SENIORS)

Full Year Course - 1 Credit

11th and 12th Year Level **Pre-requisite: 90% Average in current Foreign Language Course**

Approval of Current Foreign Language Teacher

Weight 1.05

To enter this Honors Course, a minimum of 90% in the present course and a teacher recommendation is required. Acceptance into an Honors Course is provisional until determination is made based on Final Exam Grades and the Final Grade for the present course.

This elective is specifically designed for Juniors and Seniors with at least two (2) years previous study of a foreign language. The course proceeds at an intensive pace by correlating the interdependence of the Romance languages and stressing English derivatives. Major emphasis of the course is on translation and comprehension skills. Ancient civilization and culture are used to complement language study. Students will also receive a comprehensive study of Latin and Greek Etymology.

5815 MANDARIN CHINESE I - HONORS (JUNIORS & SENIORS)

Full Year Course - 1 Credit

11th and 12th Year Level **Pre-requisite: 90% Average in current Foreign Language Course**

Approval of Chairwoman Required

Weight: 1.05

This course is a fundamental one in the grammar, speaking, reading and writing of Chinese (Mandarin). Other aspects of the course include the consideration of Chinese customs and culture, both in their history and in the present daily life of China. This class is intended to be a serious study of a culture and language which is very foreign to American students.

GUIDANCE DEPARTMENT

Mrs. Kim Hearney, Director of Guidance Services

Guidance Courses - Required Scheduling Annually

0300 JUNIOR GROUP - SPRING SEMESTER

Junior group work engages students in conversation regarding senior course selection, the college search and application processes, the college essay, drug and alcohol awareness, cultivating equity in the community as well as other relevant topics. College counselors demonstrate Naviance, college and career interactive website, and invite students to meet with a college counselor for an individual conference. Students are encouraged to take the SAT/ACT for college admission. Strategies for college admission test preparation are discussed.

COLLEGE COUNSELING

Mrs. Kim Hearney, Director of College Counseling

Ms. Alexandra Galan, Assistant Director of College Counseling

The College Center is available to all students. Generally, senior students and parents request conferences with college counselors during the fall semester while junior students and parents request appointments during the spring semester. Counselors meet with college representatives and keep abreast of the latest college developments. The College Center has materials and information regarding summer college programs. The College Center Staff works closely with guidance counselors and students to help facilitate the college application process while coordinating the transmission of school support materials required by colleges. The College Center Staff maintains Naviance by providing instructions for the college application process as well as posting upcoming college representative visits, scholarship information and links to various college resources. Please visit the College Center page on the St. Anthony's High School website.

MATHEMATICS DEPARTMENT

Mr. William Quinn - Chairman

Notes: All students must own and be able to use an appropriate **graphing** calculator (TI-83 or any version of the TI-84 - TI-89 or TI Inspire and Casio are not permitted).

NO STUDENT MAY SIT FOR A REGENTS EXAMINATION WITHOUT A GRAPHING CALCULATOR.

All courses listed in the Mathematics Department course descriptions as Mathematics courses except 3132 and 3332 are approved by the NCAA and receive one credit under their current guidelines.

3353 **TRIGONOMETRY AND ALGEBRA 2**

Full Year Course - 1 Credit - Regents Examination Required
10th and 11th Year Level – Pre-requisite: Geometry
Weight: 1.00

This is the final course in the New York State mandated Regents program. It is intended for those who have successfully completed Algebra and Geometry and passed the respective Regents examinations. Topics include comprehensive treatment of Trigonometry, Advanced Algebra, Number Sense and Operations, Probability and Statistics, Measurement, and Exponential and Logarithmic Functions. Students who did not score 85% or better in Geometry are encouraged to take Intermediate Algebra. A graphing calculator is required. Students may not sit for the Regents examination without an approved graphing calculator.

3375 **TRIGONOMETRY AND ALGEBRA 2 HONORS AND PRE-CALCULUS HONORS**

Full Year Course - 2 Credits – Final Examination and Regents Examination Required
10th and 11th Year Level – Pre-requisite: Geometry Honors/Geometry Freshman*
AND Department Approval
Weight: 1.05

This course completes the New York State mandated Regents program. To enter this HONORS ACCELERATED Course a minimum of 90% in the pre-requisite courses and a teacher recommendation is required. The courses include comprehensive treatment of Trigonometry, Advanced Algebra, Number Sense and Operations, Probability and Statistics, Measurement, and Exponential and Logarithmic Functions. It also includes an intensive study of Elementary Functions in preparation for AP Calculus. A graphing calculator is required. Students may not sit for the Regents examination without an approved graphing calculator. Students must have completed all of the topics in 3245, which includes six units from Algebra 2 and Trigonometry. *Students who wish to enter the honors program who have not completed Geometry Honors **must** pass a qualifying test in March. Students who qualify will be required to complete six units of Algebra 2 and Trigonometry over the summer before being allowed to take Algebra 2 and Trigonometry Honors/PreCalculus Honors.

3332 **INTERMEDIATE ALGEBRA**

Full Year Course - 1 Credit - Final Examination Required (This is not a Regents course)
10th and 11th Year Level – Pre-requisite: Geometry
Weight: 1.00

This course is intended for students who need reinforcement in Algebra and Trigonometry topics before undertaking the Regents course. It is intended for those who have successfully completed Algebra and Integrated Geometry. It will concentrate on skill development. Topics will include an Intermediate Algebra and an introduction to Functions. Accelerated 10th graders will be allowed to enroll in this course on teacher recommendation. This course does not culminate in a Regents Examination. A graphing calculator is required. **This course is not approved for an NCAA credit.**

3342 GEOMETRY JUNIORS

Full Year Course – 1 Credit – Final Examination and Regents Examination Required

11th Grade Level – Pre-requisite: Algebra

Weight: 1.00

This course is the second course in the three-year New York State Regents program. It focuses primarily on Euclidean Geometry, analytic geometry and Trigonometry. A graphing calculator is required. Students may not sit for the Regents examination without an approved graphing calculator.

3454 AP STATISTICS

Full Year Course - 1 Credit - AP Examination Required – **additional fee**

11th and 12th Year Level – Pre-requisite: Trigonometry and Algebra 2

Weight 1.10

To enter this AP Course, a minimum of 92% in the present course and a teacher recommendation is required. Acceptance into an AP Course is provisional until determination is made based on Final Exam/Regents Grades and the Final Grade for the present course.

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students will be exposed to the four conceptual themes of exploring data, sampling and experimentation, anticipating patterns and using statistical inference. The course of study will include planning and conducting a study, exploring random phenomena using probability and simulation, estimating population parameters and testing hypotheses. A TI-83 or TI-84 graphing calculator is required.

3345 INTRODUCTION TO ANALYSIS HONORS (COLLEGE CREDITS/COLLEGE ALGEBRA AND TRIGONOMETRY) – additional fee required if taking for College Credits

Full Year Course - 1 Credit – Final Examination Required

11th and 12th Year Level – Pre-requisite: Trigonometry and Algebra 2 and Department Approval

Weight: 1.05

This course is an intensive study of trigonometry, advanced algebra, analytic geometry and functions with an emphasis on theory and derivation of formulas. This course gives the foundation to study calculus; it provides the background for the mathematical concepts, problems, issues and techniques that appear in a calculus course. Besides the material that prepares students for the study of calculus, it includes the calculus topics of limits, mechanics of differentiation, applications of derivatives and some work with anti-derivatives. It is designed to prepare students for the study of Advanced Placement Calculus AB.

This is a predominantly a Junior course, however, Seniors may take this course with department approval. The final examination is administered during the Senior final exam period. Juniors cover additional AP Calculus prep topics after the final exam. A graphing calculator is required.

This includes all of the topics from the college course COLLEGE ALGEBRA AND TRIGONOMETRY. This is a college course in which college credits will be awarded upon successful completion of the college requirements, which are: payment of a fee and a minimum final grade of 80%.

3443 PRE-CALCULUS

Full Year Course - 1 Credit – Final Examination Required

11th and 12th Year Level – Pre-requisite: Trigonometry and Algebra 2 (3353)

Weight: 1.00

This course includes units in advanced algebra, analytic geometry and functions as well as an introduction to basic calculus topics. It is designed to prepare students for the study of calculus. Students must have a grade of 80% or better in Algebra 2/Trigonometry to qualify for Pre-Calculus. Students who attend summer school to satisfy a failure in Algebra 2/Trigonometry are not eligible for Pre-Calculus. A graphing calculator is required.

3514 AP COMPUTER SCIENCE A

Full Year Course - 1 Credit – Final Project and AP Examination Required – **additional fee**

11th and 12th Year Level – **Pre-requisite:** Trigonometry and Algebra 2

Weight 1.10

\$65 materials fee is required in addition to AP Test fee

This course is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language.

These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities.

Application Required: This computer science course builds upon a foundation of mathematical reasoning that should be acquired before attempting such a course so the applicants will be selected based on enthusiasm for computer programming, level of completed mathematics courses, the demonstrated facility for abstract thinking, and the ability to articulate logical reasoning.

3515 AP COMPUTER PRINCIPLES

Full Year Course - 1 Credit – Final Project and AP Examination Required – **additional fee**

Any Year Level

Weight 1.10

This course meets **three times a cycle**. It will require at least 5 hours per week of independent coursework.

The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world.

3520 INTRO TO ENGINEERING

Full Year Course - 1 Credit

11th and 12th Year Level – **Pre-requisite:** Approval from Mathematics Department

Weight 1.10

Intro to Engineering is a course for students who are interested in design and engineering. The major focus of the course is to expose students to the design process, research and analysis, engineering standards, and innovative technology in the field all while developing creative problem-solving strategies, communication skills, and teamwork. Students will learn through hands-on experiences during instructional activities, projects, and solving real-world problems. Students will not only design projects, but they will also use computers, tools, equipment, and fabrication techniques to build their projects, allowing them to go all the way from imagination to design to building a finished product. During this process, students have to continually iterate their designs as they troubleshoot and problem solve issues as they arise. Students will work both independently and collaboratively with peers employing engineering and scientific concepts to attempt to solve authentic engineering design problems. Areas of focus include, but are not limited to, 2D design and 3D modeling, basic electronics and programmable circuits (Arduino & Raspberry Pi), mechanical design, and fabrication techniques such as CNC machining, laser cutting, and 3D printing. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community. Ultimately, students will have a well-rounded and strong foundation in engineering principles so they are better problem solvers who are prepared to enter a science or engineering field if they so choose. A material fee will be collected the first week of class.

3615 INTRODUCTION TO COMPUTER SCIENCE

Full Year Course - 1 Credit
10th, 11th and 12th Year Level
Weight: 1.05

This course offers students an introduction to Computer Science covering a wide variety of topics commonly seen in the field. In this course, students will learn the fundamentals of programming and develop a basic skill set from languages such as Python and HTML/CSS. Students will work both independently and collaboratively with peers to employ programming concepts to attempt to solve real world problems. Other areas of focus over the duration of this course include, but are not limited to, cybersecurity, game development, artificial intelligence, business in technology, web development, and developing algorithms. Throughout the course, students will also develop a rudimentary foundation in computational literacy by exploring current events and the ethical concerns/impacts which computer science has on the global community. Ultimately this course will serve as a multidisciplinary introduction to the field of Computer Science with and leave students with a well rounded and strong foundation in the subject.

PHYSICAL EDUCATION DEPARTMENT

Mr. Salvatore Lagano, Chairman

7210(M) PHYSICAL EDUCATION 10 & 11

7221(F) Full Year Course – 1/2 Credit

In this course, the student learns intermediate concepts of physical education. The course will stress exercise, team participation, and individual improvement. The Weight Room is available for students who are interested.

7611 ATHLETICS IN SOCIETY

Full Year Course – 1/2 Credit

9th, 10th, 11th and 12th Year Level

This is a Physical Education program specially designed and suited to the interests, capacities and limitations of students who may not safely or successfully engage in unrestricted participation in the activities of the regular P.E. program. The students must do an independent study consisting of a written report each semester. Students enrolled in this course are **REQUIRED** to make contact with the Chairperson of the Department during the first cycle of classes.

7473 HEALTH

One Semester Course - 1/2 Credit

Weight: 1.00

All Sophomores, Juniors, and any Senior who have not completed Health must take this course.

This course includes topics such as mental health, nutrition, common diseases and disorders, first aid, and alcohol and drug abuse.

Students with a conflict in their schedule may take the health course during the summer with the permission of the Academic Dean; there is an additional fee for the summer course.

7477 INDEPENDENT HEALTH

One Semester Course - 1/2 Credit

10th, 11th and 12th Year Level

Weight: 1.00

This course is a Health Course, restricted to students who wish to continue to take Chorus, Orchestra or Band or who wish to take AP Courses or non-elective College Courses, where the scheduling of the Health Course would make it impossible to take one of these courses.

The course would require that the student be scheduled for one class per cycle if their schedule allows, to discuss his/her independent study and the completion of his/her research in preparation for completing the written reports.

SCIENCE DEPARTMENT

Mr. James Medina, Chairman

In the Saint Anthony's High School Science Program, students acquire the knowledge, skills and attitudes that empower them to compete in the ever-growing scientific world, a world reliant on science, technology, information retrieval, and mathematics.

4733 **PHYSICAL SETTING/CHEMISTRY**

4734 Full Year Course - 1 Credit - Regents Examination Required
10th, 11th and 12th Year Level Prerequisites: Recommendation of Living Environment/Biology or
Weight: 1.00 Physical Setting/Earth Science Teacher Required
Successful completion of Living Environment/Biology

This course presents a modern view of chemistry and includes a study of atomic structure, bonding, acids and bases, electrochemistry, nuclear and organic chemistry. Major emphasis is placed on chemical calculations, the mathematical formulation of chemical principles and applying concepts to real-world connections. Mandatory 1200 minutes of written laboratory work must be submitted for a student to sit for the Regents examination.

4735 **PHYSICAL SETTING/CHEMISTRY HONORS**

4736 Full Year Course - 1 Credit - Regents Examination Required
10th and 11th Year Level Prerequisites: Recommendation of Living Environment/Biology or
Weight: 1.05 Physical Setting/Earth Science Teacher Required
Successful completion of Living Environment/Biology

To enter this Honors Course, a minimum of 90% in Science and a teacher recommendation is required. Acceptance into an Honors Course is provisional until determination is made based on Final Exam/Regents Grades and the Final Grade for the present course.

This course will cover all topics in Chemistry 4303 but with a greater mathematical emphasis and more applications. Extended areas include descriptive chemistry, the quantum mechanical atom, electrochemistry, thermodynamics, bonding and organic chemistry. Mandatory 1200 minutes of written laboratory work must be submitted for a student to be permitted to sit for the Regents Examination.

4743 **PHYSICAL SETTING/PHYSICS**

4744 Full Year Course - 1 Credit - Regents Examination Required
11th and 12th Year Level - Pre-requisites: Successful Completion of Living Environment/Biology
Weight: 1.00 Recommendation of Science Teacher

This course is a broad survey of classical physics, which will develop critical thinking. The course deals with mechanics, wave theory, electricity, magnetism, and modern physics. Students who are weak in Mathematics should not consider this course. Mandatory 1200 minutes of written laboratory work must be submitted for a student to be permitted to sit for the Regents examination. **Seniors are encouraged to attend class until the Regents exam.**

4745 **PHYSICAL SETTING/PHYSICS HONORS**

4746 Full Year Course - 1 Credit - Regents Examination Required
11th and 12th Year Level - Pre-requisites: Successful Completion of Living Environment/Biology
Weight: 1.05 Recommendation of Science Teacher

To enter this Honors Course, a minimum of 90% in Science and Mathematics and a teacher recommendation is required. Acceptance into an Honors Course is provisional until determination is made based on Final Exam/Regents Grades and the Final Grade for the present course.

This course will cover all the topics in Physics 4403 in more depth and with more rigorous problem solving. This course will provide an invaluable background for prospective math, science, or engineering majors. Students must be very proficient in Math. This course requires 1200 minutes of lab work and written reports being submitted before sitting for the Regents Examination. **Seniors are encouraged to attend class until the Regents exam.**

4763 **ENVIRONMENTAL SCIENCE**
4764 Full Year Course - 1 Credit
11th and 12th Year Level – Approval of Department Chairman
Weight 1.00

This course is designed as an introduction to Environmental Science. This course provides an issues approach to a broad range of topics including ecology, public health, wild species preservation, atmospheric pollution and climate change, ozone depletion, global warming and energy conservation. Students discuss the economics and public policies that affect these issues. Students will conduct laboratory experiments dealing with air and water quality and other activities that measure pollutants in the environment.

Limited class size.

4773 **MARINE SCIENCE**
4774 Full Year Course - 1 Credit
11th and 12th Year Level
Weight: 1.00 Approval of Department Chairman

This course is split into two portions: Oceanography and Marine Biology. The course is focused on the study of ocean plants, animals, and their ecological relationships. The distribution of marine organisms depends on the chemical and physical properties of seawater (temperature, salinity, and dissolved nutrients), ocean currents (which carry oxygen to subsurface waters and disperse nutrients, wastes, spores, eggs, larvae and plankton), and permeation of light. The scientific study of Marine Biology dates from the early 19th century and now includes laboratory studies of organisms for their usefulness to humans and the effects of human activity on marine environments.

Limited class size.

4783 **FORENSIC SCIENCE**
4784 Full Year Course - 1 Credit
11th and 12th Year Level - Pre-requisites: Regents Living Environment and one Physical Science (Earth Science, Chemistry or Physics)
Weight: 1.00 Approval of Department Chairman

This course introduces students to the diverse field of forensic science. The chemistry, biology, physics and geology useful for evaluating crime scenes are explored. Topics include history of forensic science, physical evidence and crime scene, DNA, hair and fibers, glass, fingerprint analysis, blood and serology and firearm analysis. Students perform both hands-on and virtual forensic laboratory techniques. The study of actual criminal cases emphasizes the importance of forensic science in solving crime.

Limited class size.

AP SCIENCE COURSES

4718 **AP BIOLOGY**
4719 Full Year Courses - 1 Credit - AP Examination Required – **additional fee**
11th or 12th Year Level - Pre-requisites: Regents Living Environment and Chemistry
Weight: 1.10 Approval of Department Chairman Required

9th Grade: Students pre-approved for the Science Scholars Program will submit copies of recent report cards and standardized tests; a placement test will be administered in April, 2020. It is highly recommended that 9th grade students who have not taken Regents Living Environment attend the AP Biology prep course offered here at St. Anthony's High School. This course is offered in July and consists of eight two hours sessions. The instructor is Ms. Grimaldi

To enter this AP course, a minimum cumulative average of 92% in Science and Mathematics is required. Acceptance into an AP Course is provisional until determination is made based on Final Exam/Regents grades and the final grade for the present course.

This course serves as an introductory Cell Biology class designed to be the equivalent of a college introductory biology course. The primary goal of this course is to provide students with the conceptual framework, factual knowledge, and analytical skills necessary for the AP Biology exam. Many topics are covered **requiring an exceptional amount of memorization and application of the concepts involved in this course.** In addition, there are **mandatory laboratory exercises** involving analysis of experimentation and observations. Reading and the outlining of textbook chapters are an integral part of the course in order to reinforce the vast amount of topics covered. A summer assignment involves the learning and outlining of chapters pertinent to the course. The course is open to **qualified** junior and senior students, and select freshmen.

Limited class size.

4738 AP CHEMISTRY

4739 *Physics is not a pre-requisite for AP Chemistry - but students are strongly encouraged to take physics concurrently or the following year.

Full Year Courses - 1 Credit - AP Examination Required – **additional fee**

11th or 12th Year Level – Approval of Department Chairman Required

Weight: 1.10

To enter this AP Course, a minimum cumulative average of 92% in Science and Mathematics is required. Acceptance into an AP Course is provisional until determination is made based on Final Exam/Regents Grades and the Final Grade for the present course.

AP Chemistry is equivalent to a college level general chemistry course. Students must be highly motivated to tackle this rigorous course. Major emphasis is placed on the mathematical solution to problems set up by understanding and applying basic chemical principles. An in-depth summer assignment will be required of all students. Limited class size.

4748 AP PHYSICS 1 (without Calculus)

4749 Full Year Courses - 1 Credit - AP Examination Required – **additional fee**

11th or 12th Year Level – Pre-requisite: Regents Physics

Weight: 1.10 Approval of Department Chairman Required

To enter this AP Course, a minimum cumulative average of 92% in Science and Mathematics is required. Acceptance into an AP Course is provisional until determination is made based on Final Exam/Regents Grades and the Final Grade for the present course.

AP Physics 1 is the equivalent to a first semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy and power; mechanical waves and sound. It will also introduce electric circuits. Theory and problem solving are at the heart of AP Physics. Limited class size.

4758 AP PHYSICS 2 (without Calculus)

4759 Full Year Courses - 1 Credit - AP Examination Required – **additional fee**

11th or 12th Year Level – Recommended Pre-requisite: AP Physics 1

Weight: 1.10 Approval of Department Chairman Required

To enter this AP Course, a minimum cumulative average of 92% in Science and Mathematics is required. Acceptance into an AP Course is provisional until determination is made based on Final Exam/Regents Grades and the Final Grade for the present course.

AP Physics 2 is the equivalent to a second semester college course in algebra-based physics. The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics. Theory and problem solving are at the heart of AP Physics. Limited class size.

4768 AP ENVIRONMENTAL SCIENCE

4769 Full Year Courses - 1 Credit - AP Examination Required – **additional fee**

11th or 12th Year Level – Pre-requisite: Regents Biology; Earth Science, Chemistry

Weight: 1.10 Approval of Department Chairman Required

To enter this AP Course, a minimum cumulative average of 92% in Science and Mathematics is required. Acceptance into an AP Course is provisional until determination is made based on Final Exam/Regents Grades and the Final Grade for the present course.

The course serves as an introductory Environmental Science class that a student would normally take in one semester (usually during the first year) of college. Students will be provided with scientific principles, concepts and methodologies required to understand the interrelationships of the natural world and to identify and analyze environmental problems and their possible solutions. This course is interdisciplinary – embracing a wide variety of topics from different areas of study such as biology, chemistry, geology, economics and politics. Topics are covered in great detail and depth. An exceptional amount of memorization is involved in this course. Reading and the outlining of textbook chapters are an integral part of the course in order to reinforce the vast amount of topics covered. A summer assignment will be required. Limited class size.

4755 MICROBIOLOGY – HONORS (COLLEGE CREDITS)
4756 Full Year Courses - 1 Credit - **additional fee required if taking for College Credits**
11th or 12th Year Level - Pre-requisites: Regents Living Environment (Biology)
Weight: 1.05 Application Required - Approval of Department Chairman

To enter this Honors course, a minimum cumulative average of 90% in Science and Mathematics is required.

This course is a requirement for many medical schools and is essential for any student who is interested in exploring such career opportunities. Microbiology is a general survey of the microbial world, which includes bacteriology, mycology (yeasts and molds), virology and parasitology. This will be a detailed study of the biology of bacteria, which will comprise of their morphology addition, this course will also incorporate medical microbiology and its importance in and their roles in human and animal diseases. In the lab, basic techniques for examination, cultivation and identification of microorganisms will be covered. This is a college course in which college credits will be awarded upon successful completion of the college requirements, which are: payment of a fee and a minimum final grade of 80%.

Limited class size.

4775 HUMAN ANATOMY AND PHYSIOLOGY – HONORS (COLLEGE CREDITS)
4776 Full Year Courses - 1 Credit – **additional fee required if taking for College Credits**
11th or 12th Year Level - Pre-requisites: Regents Living Environment (Biology)
Weight: 1.05 Approval of Department Chairman

To enter this Honors course, a minimum cumulative average of 90% in Science and Mathematics is required.

This course is specifically designed for students who have a strong desire to pursue a collegiate academic curriculum/career in the health sciences (Medicine, Physiotherapy, Chiropractic, etc.). This course will introduce students to the study of Human Anatomy and Physiology. Some of the topics to be covered will include Human Osteology (bone), Myology (muscle), Neurology (nerve), Angiology (heart and blood vessels), Pulmonology (lung), Histology (cells), Nephrology (kidney), and Special Senses (eye/ear, etc.). Laboratory exercises will be required. This is a college course in which college credits are awarded upon successful completion of the college requirements, which are: payment of a fee and a minimum final grade of 80%.

Limited class size.

4315 ORGANIC CHEMISTRY - HONORS
Full Year Course - 1 Credit
11th and 12th Year Level – Pre-requisite: Regents Chemistry
Weight 1.05 Approval of Department Chairman

To enter this Honors course, a minimum cumulative average of 90% in Science and Mathematics is required.

Students interested in exploring Biology or Chemistry in college, or pursuing a career in health science should consider taking Organic Chemistry. The purpose of this course is to give students a solid background that will help them succeed in college. This course will emphasize the fundamentals of organic chemistry and biochemistry, such as understanding how reactions occur using mechanisms and applying this knowledge to solve how complex organic molecules are synthesized.

Limited class size

4515 INDEPENDENT SCIENCE RESEARCH - HONORS
Full Year Course - 1 Credit
9th, 10th, and 11th Year Level – Approval of Science Research Director
Weight 1.05

To enter this course, a minimum cumulative average of 90% in Science and Mathematics is required.

This course is designed to meet the needs of the exceptional science student who wishes to design and conduct independent laboratory and field investigations. A progressive series of objectives will be proposed beginning with a mastery of the fundamentals of the scientific method, continuing with creative experimentation and presentation of scientific findings.

4618 INDEPENDENT SCIENCE RESEARCH 2 (LAB ASSIGNMENT)

Full Year Course - 1 Credit

10th, 11th and 12th Year Level – Approval of Science Research Director

Weight 1.10

To enter this course, students must have at least one year of Independent Science Research experience and be enrolled in a laboratory internship approved by the Science Research Director.

This course is designed to meet the needs of the exceptional science student who seeks to apply creative experimentation and presentation of scientific findings through professional laboratory work. Students in this course are expected to submit written research papers into the Regeneron Science Talent Search, the Junior Science and Humanities Symposium, and the International Science and Engineering Fair (ISEF). **Please understand that laboratory and field experiences will require a commitment beyond the school day and may impact vacations, including summer vacation.**

SOCIAL STUDIES DEPARTMENT

Mr. Lewis Cordina, Chairman

2318 AP RESEARCH

Full Year Course – 1 Credit - AP Examination Required – **additional fee**

11th Year Level – Departmental Approval Required

Weight: 1.10

AP Research is an intermediary research course for students interested in proposing solutions to real-world issues found in contemporary society. Since group work is a central component to this program, students must possess a high degree of interpersonal and time-management skills to collaborate with their peers. In addition, students are also expected to have strong skills in independent research and in analytical writing. Eligibility is contingent upon an earned average of 92% in both English and Social Studies courses as well as full completion of the requisite AP Seminar course and exam.

2303 UNITED STATES HISTORY AND GOVERNMENT 11

Full Year Course - 1 Credit - Regents Examination Required

11th Year Level

Weight: 1.00

The course will focus on the U.S. constitution and political traditions; a survey of U.S. history and intellectual forces (1607-1865); the industrialization of the United States; prosperity, depression, and war (1917-1940); the United States in an age of global crisis (1933-1960); the world in uncertain times (1950-1985), and the United States today, including its people, social institutions, cultural values, geography and global relations. All U.S. History students will take a Regents exam at year's end.

2305 UNITED STATES HISTORY AND GOVERNMENT - 11 HONORS

Full Year Course -1 Credit - Regents Examination Required

11th Year Level

Weight: 1.05

To enter this Honors Course, a minimum average of 90% in the present course and a teacher recommendation is required. Acceptance into an Honors Course is provisional until determination is made based on Final Exam/Regents Grades and the Final Grade for the present course.

The course will focus on the U.S. Constitution and political traditions; a survey of U.S. history and intellectual forces (1607-1865); the industrialization of the United States; prosperity, depression, and war (1917-1940); the United States in an age of global crisis (1933-1960); the world in uncertain times (1950-1985), and the United States today, including its people, social institutions, cultural values, geography and global relations. Extensive enrichment reading and research are required. All U.S. History students will take a Regents exam at year's end.

2418 AP UNITED STATES HISTORY

Full Year Course - 1 Credit - Regents Examination in US History and AP Examination Required – **additional fee**

10th and 11th Year Level

Weight: 1.10

[FOR QUALIFIED JUNIORS, THIS COURSE MAY BE TAKEN IN LIEU OF 2303 "UNITED STATES HISTORY AND GOVERNMENT 11" JUNIORS]

To enter this AP Course, a minimum average of 92% in the present course and a teacher recommendation is required. Acceptance into an AP Course is provisional until determination is made based on Final Exam/Regents Grades and the Final Grade for the present course. The student is expected to read and write extensively and proficiently, and actively participate in class discussions and debates offering factual input and informed opinions. **Students will be required to successfully complete a research assignment during the summer of 2022.**

The AP program in United States History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in American History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those of full year introductory college courses. Students must take the AP Examination.

BUSINESS COURSE OFFERINGS

2935 INTRODUCTION TO BUSINESS – HONORS (COLLEGE CREDITS)

Full Year Course - 1 Credit – additional fee required if taking for College Credits

10th and 11th Year Level

Weight 1.05

Introduction to Business is designed to familiarize students with a basic understanding of business practices at every level. The course provides explanations of business and economic concepts with practical applications to help students explore business opportunities and learn to make informed economic decisions in our global economy. Students will investigate many aspects of our economy such as business ethics, entrepreneurship and small business, organizational structures, management and the role of technology in the business world. Using case studies and real world examples, students will analyze the role of government in business, product marketing and advertising, human resources, and cultural diversity. This is a college course in which college credits are awarded upon successful completion of the college requirements, which are: payment of a fee and a minimum final grade of 80%.

2925 BUSINESS LAW – HONORS (COLLEGE CREDITS)

Full Year Course - 1 Credit – additional fee required if taking for College Credits

11th and 12th Year Level

Weight 1.05

Business Law is an introductory course for students who are interested in law. The course will emphasize those areas of law that are most likely to affect students throughout their lives. Students will be introduced to the American court system and procedures, criminal law and torts. Greater attention will be given to the following topics: Contracts, Consumerism, Agency and Employment Law, Marriage Laws, Real Estate and Insurance, Debtor - Creditor Law, Commercial Paper, Secured Transactions, Business Organizations, and Estates. This is a college course in which college credits are awarded upon successful completion of the college requirements, which are: payment of a fee and a minimum final grade of 80%. Preference in registration will be given to seniors before juniors.

2945 PRINCIPLES OF MARKETING – HONORS (COLLEGE CREDITS)

Full Year Course - 1 Credit – additional fee required if taking for College Credits

11th and 12th Year Level - No pre-requisite

Weight 1.05

Principles of Marketing will examine the psychology and practices behind selling goods and services. Research efforts, pricing and promotion strategies, distribution channels and product features will be investigated. Using case studies and examples drawn from today's marketplace and corporate giants, students will become familiar with marketing terminology, the pathways and pitfalls facing product developers and the strategies used to appeal to potential buyers. This course provides a firm groundwork for the serious student who intends to major in marketing or business in college. Preference in registration will be given to seniors before juniors. This is a college course in which college credits are awarded upon successful completion of the college requirements, which are: payment of a fee and a minimum final grade of 80%.

2905 BUSINESS AND PERSONAL FINANCE HONORS

Half Year Course – 1/2 Credit

11th and 12th Year Level - No Pre-requisite

Weight 1.05

Business and Personal Finance is an introductory course for students who are interested in finance, investing and accounting. The course will introduce students to the following topics: Career planning, money management, banking and credit; and investing in stocks, bonds and mutual funds. The course will also incorporate Microsoft Excel as an organizational tool for personal finance. This course will also introduce basic accounting.

2565 BUSINESS DATA ANALYTICS AND ENTREPRENEURSHIP - HONORS

Full Year Course – 1 Credit

11th and 12th Year Level - Pre-requisite: Introduction to Business

Weight 1.05

This is a full year course, split between Business Data Analytics and Entrepreneurship. The data analytics portion will cover descriptive, predictive & prescriptive methodologies that allow business professionals to enhance their understanding of complex data & problems. The entrepreneurship course will teach students the basics of starting a company, and will also learn to analyze other ventures through a variety of frameworks. This includes learning about customer discovery, finance, and marketing. Students will examine how entrepreneurs search for innovative opportunities both within an organization and as a new enterprise.

2022-2023 Saint Anthony' High School
Scheduling Policies and Procedures

1. The Course Selection process is intended to be a joint venture between the students, parents, teachers and counselors. Requests for courses must be completed by February 10, 2022. **When the Final Course Selection Sheet is generated and distributed to the students on March 15, 2022, this is intended to be the END of the process, not the beginning.** When a parent signs this Final Course Selection Sheet via campus backpack, it should be as a reaffirmation of information they already know and should not be viewed as a further opportunity to edit the selections. A parent's signature on the Final Course Selection Sheet is an acknowledgement of the courses previously selected. Any concerns should be sent to the Department Chairperson and Scheduling Office.
2. Course changes require approval and are based on qualification for the class and space availability. Please review the Scheduling Policy and take note of the two opportunities to change student's schedule requests.
 - *We do not make schedule changes once School Begins.*
 - *Course Changes require approval and are based on qualification for the class and space availability. There will be two opportunities to change student schedules.*

*First and recommended time, after the requests have been verified and successfully scheduled and the course verifications are handed out. This is not a schedule, simply a list of course requests that will fit successfully in the student's schedule. **May 17, 2022 – June 10, 2022.***

*Second and last time after schedules are released on August 1, 2022 on campus backpack via the student and parent portals. Teachers' names will not appear on this schedule. **At this time changes can be made with approval from the Chair and Academic Dean for a \$50 fee until August 12, 2022.***

- *As school policy, we do not honor teacher requests or period requests.*

Thank you in advance for your anticipated cooperation with respect to these scheduling procedures.

Saint Anthony's High School credit requirements for graduation exceed all New York State requirements for a Regents Diploma. Academic departments that administer Regents Examinations develop appropriate curricula that encompass all of the content and performance standards set by New York State. Students enrolled in a Regents course are required to take the Regents examination. Overall student performance on these exams is significantly above state averages. These examinations provide an objective measure by which our students can be compared to others in New York State.

Regents Examinations, however, do not test our students with the rigor required by the courses themselves. Our courses are more comprehensive and tests given during the year are designed to measure a higher level of proficiency than that required by the Regents standards. The grade on the Regents examination is not an independent indicator of an individual's success in a course; it must be viewed in conjunction with and secondary to the teacher's year-long assessment of the student's achievement and the grades on the final exam.

Diploma Requirements for ALL St. Anthony High School Students

Theology	4 years
Guidance	4 years
English	4 years (must pass English Regents)
Social Studies Regents)	4 years (must pass Global History and US History
Mathematics	3 years (must pass 2 Math Regents)
Science	3 years (must pass Living Environment AND a Physical Science [Earth Science or Chemistry or Physics] Regents)
Foreign Language	3 years (must be in the same language)
Fine Arts	1 year (Chorus, Band, Orchestra, Studio in Art, Theatre Arts, Bagpipes/Drums, Intro to Music: Keyboard Skills)
Physical Education	4 years
Health	1/2 year
Electives	3 credits taken in senior year

Advanced Regents Diploma Requirements:

Pass English Regents (Junior Year)

Pass 3 Mathematics Regents Exams

Pass Global History & Geography Regents (Sophomore Year)

Pass US History & Government Regents (Junior Year)

Pass 2 Science Regents Exams (1 Physical and 1 Life)

Pass Spanish, French, or Italian Checkpoint B Exam (Junior Year)

NCAA Requirements for 2023 Graduates and Beyond

College-bound student athletes will need to meet the following academic requirements to practice, receive athletic scholarships and/or compete during their first year of college.

Summary

- Minimum core-course GPA of **2.30** required for competition
- 10 of the required 16 Core Courses must be completed by the beginning of senior year. (Seven must be in the area of English, Math, or Science). These 10 core courses become “locked in” for the purpose of core-course GPA calculation.
- Division 1 uses a sliding scale to match SAT/ACT test scores and your Core Course GPA. The sliding scale can be found under the Resources section on the **NCAA Eligibility Center Website**.

Summary of Core Courses

All students must graduate from high school* **on time** and complete a minimum of 16 core courses.

***Students must pass and complete all schoolwork by the last day of senior classes**

Division 1 Core Course Breakdown

- 4 years of English
- 3 years of Math (Integrated Algebra, Geometry, Trig & Algebra 2, Pre Calculus, Calculus, Algebra2/Functions, Statistics) (**Transitional Algebra and Intermediate Algebra are not core courses**)
- 2 years of natural or physical science
- 1 extra year of English, math, or natural or physical science
- 2 years of social science
- 4 years of extra core courses from any category above, foreign language, or philosophy

*Theology is not considered a core course for NCAA

Students MUST register with the NCAA Eligibility Center online.

NCAA Division I Initial eligibility checklist:

1. Register at the beginning of your sophomore year at www.eligibilitycenter.org
2. Pay your required fee to the NCAA Eligibility Center
3. Complete your amateurism questions
4. Take the ACT or SAG and use the code “9999” to have your official scores sent directly to the NCAA Eligibility Center. Test Scores must be sent to the NCAA Eligibility Center directly from ACT or College Board
5. Check with your guidance counselor to make sure you are on track to graduate on time with your class and have the required number of core courses for NCAA eligibility purposes
6. Request final amateurism certification during your senior year (beginning April 1)
7. St. Anthony’s will send an official transcript. If student attended any other high school for grades 9-12, student must request official transcript to be sent to NCAA

St. Anthony’s High School is a member of CoreCourseGPA.com. This website is a tool in which you can calculate your Core Course GPA. If you would like a free membership, please see Mr. Minucci – Athletic Director.

Please direct all NCAA related questions to Mrs. Galan or Mrs. Hearney, Director of College Counseling.

INTEGRATED STEM COURSES

The primary objective of the Integrated STEM Program is to enhance and transform how we educate our students with new and exciting opportunities. The Integrated STEM Program allows students to explore different areas of mathematic and scientific study while making them better thinkers and problem solvers.

3514 AP Computer Science A

3515 AP Computer Principles

3520 Intro to Engineering

3521 Advanced Engineering

3454 AP Statistics

4515 Independent Science Research Honors

4618 Independent Science Research 2 (Lab Assignment)

4455 Human Anatomy and Physiology Honors

PLEASE NOTE THE REQUIREMENTS FOR
AP COURSES
COLLEGE COURSES

SPECIAL NOTE TO THOSE CONSIDERING ADVANCED PLACEMENT COURSES:

These are college level courses; make sure you are ready and willing to commit yourself to this level of academic work, pushing yourself to the limit in these in-depth and detailed courses. AP Courses are not like Honors Courses; they are college level, requiring a greater amount of time and extra work on your own. Please note that there is an **additional fee** to take the required AP Exam per course.

With regard to any Honors or AP course, observe the following:

1. Speak to students who are taking these courses or speak to your present teacher in that department or the department chairperson to understand the content and the requirements of the course.
2. Obtain any signatures, which may be required for a course: the list of those faculty members who can sign for these courses is posted outside each department office and in each homeroom.
3. Before signing up for any of these advanced courses, consider also if you plan on holding a job, because these courses will require more of your time.
4. Some courses require a Summer Assignment.
5. All students taking an AP Course MUST take the AP Exam in May. Failure to take your AP Exam will result in the loss of the AP weight for that class.

College Courses

Students enrolled in a College Level Course at St. Anthony's are permitted to apply for college credits. These students must meet the requirements of the college to be granted these credits.

The requirements are: Additional Fee – 80% average minimum final grade in this college credit course to receive college credits

These courses are St. Anthony's High School courses. Students registering for these classes will not be permitted to add or drop regardless of college requirements. (Some colleges require that these courses be taken as a 4th elective in order to transfer credits). Please note that there is an **additional fee** per course due to the college/university for these credits. A minimum of ten (10) students per course must register for college credits in order for the course to qualify as a college course. **COLLEGES WILL GIVE CREDIT ONLY IF YOU REGISTER BY THEIR DUE DATE.**

Contact Information

Scheduling Office: scheduling@stanthonyshs.org

Department Chairpersons

Theology - Brother Richard Contino, O.S.F. - brrcontino@stanthonyshs.org
English - Mrs. Nancy Kennedy - nkennedy@stanthonyshs.org
Fine Arts (Music) - Mr. Bruce Engel - bengel@stanthonyshs.org
Fine Arts (Art & Theatre) - Mr. Zachary Davino - zdavino@stanthonyshs.org
Foreign Language - Mrs. Maritza Acosta - macosta@stanthonyshs.org
Mathematics - Mr. William Quinn - wquinn@stanthonyshs.org
Physical Education - Mr. Salvatore Lagano - slagano@stanthonyshs.org
Science - Mr. Jim Medina - jmedina@stanthonyshs.org
Social Studies - Mr. Lew Cordina - lcordina@stanthonyshs.org