

Course Selection Worksheet

English		
<input type="checkbox"/> English IV CP	<input type="checkbox"/> English IV AP English Literature	
Math		
<input type="checkbox"/> Precalculus CP	<input type="checkbox"/> Calculus CP	<input type="checkbox"/> Statistics AP
<input type="checkbox"/> Precalculus AP	<input type="checkbox"/> Calculus AP	
Science		
<input type="checkbox"/> Anatomy and Physiology	<input type="checkbox"/> Chemistry II AP	<input type="checkbox"/> Physics CP
<input type="checkbox"/> Biology AP	<input type="checkbox"/> Environmental Science AP	<input type="checkbox"/> Physics I Honors
		<input type="checkbox"/> Physics AP
Social Studies		
<input type="checkbox"/> Economics CP	<input type="checkbox"/> U.S. Government CP	
<input type="checkbox"/> Economics AP	<input type="checkbox"/> U.S. Government AP	
Theology		
<input type="checkbox"/> Theology IV A World Religions		
<input type="checkbox"/> Theology IV B Social Justice		
World Language		
<input type="checkbox"/> Russian I	<input type="checkbox"/> Spanish I	<input type="checkbox"/> Spanish III
<input type="checkbox"/> Russian II	<input type="checkbox"/> Spanish I Honors	<input type="checkbox"/> Spanish III Honors
<input type="checkbox"/> Russian III	<input type="checkbox"/> Spanish II	<input type="checkbox"/> Spanish IV Honors
<input type="checkbox"/> Adv Russian	<input type="checkbox"/> Spanish II Honors	<input type="checkbox"/> AP Spanish Literature

Electives*			
<input type="checkbox"/> GeoTech	<input type="checkbox"/> Band Fund.**	<input type="checkbox"/> Marching Band	<input type="checkbox"/> Athletic Development ★
<input type="checkbox"/> Adv Tech (GIS)	<input type="checkbox"/> Adv Band**	<input type="checkbox"/> Jazz Band	<input type="checkbox"/> Dance
<input type="checkbox"/> Gaming	<input type="checkbox"/> Adv Honors Band**	<input type="checkbox"/> Intro Art	<input type="checkbox"/> Strength
<input type="checkbox"/> Adv Gaming VR	<input type="checkbox"/> Strings**	<input type="checkbox"/> Draw/Paint	<input type="checkbox"/> Yoga
<input type="checkbox"/> Robotics	<input type="checkbox"/> Adv Strings**	<input type="checkbox"/> Adv Paint	<input type="checkbox"/> Sports Medicine**
<input type="checkbox"/> Adv Robotics	<input type="checkbox"/> Adv Honors Strings**	<input type="checkbox"/> Photo I	<input type="checkbox"/> 1960s ★
<input type="checkbox"/> Web Design	<input type="checkbox"/> Choir	<input type="checkbox"/> Photo II	<input type="checkbox"/> Animals & Humans
<input type="checkbox"/> Engineering I	<input type="checkbox"/> Adv Choir** ★	<input type="checkbox"/> Art Appreciation DC	<input type="checkbox"/> Psychology CP
<input type="checkbox"/> Engineering II	<input type="checkbox"/> Music Theory AP**	<input type="checkbox"/> Ceramics I	<input type="checkbox"/> Psychology DC
<input type="checkbox"/> BCIS DC	<input type="checkbox"/> Theatre I	<input type="checkbox"/> Ceramics II	<input type="checkbox"/> Research AP**
<input type="checkbox"/> Graphic Design I	<input type="checkbox"/> Theatre II ★	<input type="checkbox"/> Yearbook**	<input type="checkbox"/> African American Lit**
<input type="checkbox"/> Graphic Design II	<input type="checkbox"/> Technical Theatre	<input type="checkbox"/> Studio Art AP**	<input type="checkbox"/> African American Studies AP** ★
<input type="checkbox"/> Computer Science Principals AP **	<input type="checkbox"/> Musical Theatre Appreciation ★		

Many electives are 1 semester (0.5 credits) unless otherwise indicated. ★ New or updated course.

**Year-long elective (1.0 credits) AP – Advanced Placement CP – College Prep DC – Dual Credit

Students must select enough classes to complete 6 credits in 12th grade.

ENGLISH

English IV College Prep

A survey course presented in a historical perspective and context, British Literature begins with the Anglo-Saxon period and ends with study of post-modern texts. Students explore the evolving themes and styles of British literature as well as Britain's effects on colonial literature through the analysis of poetry, prose, and drama. Students will continue to develop critical thinking skills and improve writing skills with a variety of assignments which include the acquisition of vocabulary. Students will review grammar through application, thereby refining writing skills learned in previous courses to produce original writing that is cohesive and concise. Students will also develop logic in argumentative essays and review the research process in preparation for the required research paper.

Dual Credit through Dallas College available for qualifying students.

English IV AP English Literature

Prerequisite: English III or English III AP and Department approval

While providing excellent preparation for any college English course, [AP English IV](#) more specifically prepares the student for the English Literature Advanced Placement exam by engaging in both close reading and critical analysis of world literature in fiction and poetry. Through careful study, students will consider a number of literary elements of a particular work, including, but not limited to, structure, style, imagery, and theme. Required of the student are intensive reading, writing, tutorial participation, and other studies, however, class time consists mostly of analysis and discussion. The Advanced Placement test in Literature and Composition is recommended but not required.

Dual Credit through Dallas College available for qualifying students.

MATH

Precalculus College Prep

Prerequisite: Algebra II and Geometry

The Precalculus course is a study of functions, which includes periodic, composite, and inverse functions, as well as polynomial, exponential, and logarithmic functions. Trigonometry is an integral part of the course. Sequences and series, matrices, and probability are studied in the fourth quarter.

Dual Credit through Dallas College available for qualifying students.

Precalculus AP

Prerequisite: Algebra II, Geometry and Department approval

The [AP Precalculus](#) course is designed for the advanced mathematics student. During the course, you'll explore everyday situations using mathematical tools and lenses. You'll also develop an understanding of modeling and functions and examine scenarios through multiple representations. The course framework outlines content and skills needed for careers in mathematics, physics, biology, health science, social science, and data science.

Dual Credit through Dallas College available for qualifying students.

Statistics AP

Prerequisite: Precalculus (may be concurrent) and Department approval

The [Statistics AP](#) course covers material found in a one-semester introductory college course in statistics. Emphasis is placed on analyzing, collecting, and drawing conclusions from data. Ideas and calculations presented in this course have immediate connections with real world current events. Successful completion of this course prepares students for the AP Statistics exam in May.

Calculus College Prep

Prerequisite: Precalculus

Calculus covers such topics as a Precalculus review, limits and continuity, derivatives, and integration. It is a transitional class between high school mathematics and the courses students will encounter in college. The course will ask the student to improve all algebraic skills. Students enrolled in this class are not eligible to take the AP exam in May. This course is recommended for students interested in STEM programs and careers.

Calculus (AB) AP

Prerequisite: Precalculus and Department approval

The [AP Calculus AB](#) course is equivalent to a college-level Calculus I course. It covers topics such as limits of a function and continuity, differential and integral calculus. Calculus concepts are applied to the physical sciences and other disciplines. Successful completion of this course prepares students for the AP Calculus AB exam in May.

SCIENCE

Physics College Prep

Prerequisite: Chemistry I, Biology I, Algebra II

In this course, students will develop mathematical models by examining the results of their laboratory experiments. The models developed will be deployed in problem solving. Group discussions will help students achieve depth of understanding. Frequent student presentations help promote understanding, organization, and communication skills. Emphasis will be on mechanics, including linear motion, force, energy, projectiles, circular motion, and interactions.

Physics Honors

Prerequisite: Chemistry I, Biology I, Algebra II and Department approval.

This physics course is focused on developing strong critical thinking and reasoning skills through experimentation. Topics covered include: one- and two-dimensional kinematics, dynamics, energy, rotational motion and simple harmonic motion. Laboratory work includes an introduction to AP Physics labs. This course is a pre-requisite for AP Physics. **Physics AP**

Prerequisite: Chemistry I, Biology I, Algebra II, Physics and Department approval

Physics AP is a course designed for students who wish to pursue a career in engineering, medicine, or another science. Emphasis is placed on deep understanding the concepts of mechanics, energy, rotational motion and periodic wave motion. Laboratory work provides a “hands on” understanding of the physics phenomena studied. Coursework culminates in the AP Physics exam.

Biology AP

Prerequisite: Chemistry I, Biology I, Algebra II, and Department approval

The [AP Biology](#) course is designed to be the equivalent of an introductory course taken by biology majors during their first year of college. Primary emphasis is placed on developing an understanding of the concepts of molecular biology, heredity, evolution, and populations. The course involves extensive laboratory work and preparation for the AP Biology Exam.

Chemistry AP

Prerequisites include Chemistry I, Algebra II, concurrent enrollment in Precalculus, and Department approval

[Chemistry II AP](#) is a continuation of Chemistry I and will improve students’ understanding of the scientific method and laboratory techniques. Students will understand topics such as enthalpy, atomic structure, gas laws and pressure, solids, solutions and liquids, phase changes, kinetics, equilibria, entropy and Gibb’s free energy, and electrochemistry.

Environmental Science AP

Prerequisite: Biology I, Chemistry I, and Department approval

Students in the Collegiate Academy should NOT enroll in this course as they are required to take Environmental Science through Dallas College in the senior year.

The goal of the [AP Environmental Science](#) course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.

Anatomy and Physiology

Prerequisite: Biology I

Anatomy and Physiology is an advanced course in Biology. Major emphasis is on the structure and functions of the human body systems with pathology included. Laboratory work includes animal dissection for comparative analysis.

SOCIAL STUDIES

U.S. Government College Prep

Semester Course

This course is an introduction to both the foundations and development of the American political system and the structure and functions of the American governmental systems at the federal, state, and local levels. Students will be expected to utilize technical, linguistic, and historical skills learned in previous years.

Dual Credit through Dallas College available for qualifying students.

U.S. Government AP

Semester Course

Prerequisite: Department approval

[AP Government](#) is an intense, one semester examination of the institutions of the American political system and their development. Students will gain an analytical perspective of the United States Government and its various institutions, groups, beliefs, and ideas. Student presentations and research involving the use of technology are an integral part of the course. A major project is required twice per semester. Emphasis is placed on the AP curriculum in preparation for the AP test in May.

Dual Credit through Dallas College available for qualifying students.

Economics College Prep

Semester Course

This course is a basic introduction to economics with primary emphasis on the characteristics and working of the market system underlying American free enterprise capitalism. Consideration will be given to the three primary economic systems, to the participation of the consumer in the American economic system and to the debate over the increasing influence of government as the public sector in the American economy.

Economics AP

Semester Course

Prerequisite: Department approval

[AP Economics](#) is an intense look at Microeconomics. Students will cover an extensive amount of material concerning economic systems and personal economics, emphasizing the American free enterprise system. The course will emphasize the nature and function of product markets and the principles of economics that apply to an economy as a whole.

THEOLOGY

Theology IV A – Ecumenical and Interreligious Issues (World Religions)

Semester Course

Ecumenical and Interreligious Issues attempts to view faith, knowledge, belief and their relation to each other, as well as God, Jesus, the Scriptures, suffering and death from the perspective of the major world religions.

Theology IV B – Living as a Disciple of Christ (Social Justice)

Semester Course

Living as a Disciple of Christ is the student's opportunity to understand and embody the role of service in their Christian life. The in-class study will focus on the Church's Principles of Catholic Social Teachings, and these principles will be put into practice twice each week through service to the Dallas community.

WORLD LANGUAGE

Russian I

In this beginners' Russian language course, students will learn the Cyrillic alphabet and the fundamentals of Russian pronunciation. Students will acquire knowledge of the language through the use of varied activities that develop contemporary conversational, reading and writing skills. The course also provides an introduction to modern Russian culture. Benchmark proficiency: Novice low to Novice high.

Russian II

Prerequisite: Russian I

Russian II builds on the foundation established in Russian I by expanding vocabulary, grammatical, reading, writing and speaking knowledge and skills. This course will stress detailed examination of the Russian Language and culture based on multimedia material used in Russian I. Students will acquire additional proficiency and fluency in speaking, reading, and writing Russian in practical situations. Benchmark proficiency: Novice mid to Intermediate Low

Russian III

Prerequisite: Russian II

This course further develops skills learned in Russian II, with an emphasis on acquiring more advanced writing, speaking, reading, and listening skills. Accuracy in these four target areas will be emphasized through the study of grammar, vocabulary, and culture. Students will read passages from Russian literature while also learning practical uses of Russian for conversational purposes. Russian III seeks to prepare the student for achievement tests for placement exams in college and the national seal of biliteracy Benchmark proficiency: Intermediate low to Intermediate high.

Advanced Russian

Prerequisite: Russian III

This course is a total immersion Russian course for students who wish to further develop the writing, speaking, reading, and listening skills they acquired in Russian III. Accuracy and fluency in these four target areas will be emphasized through the study of grammar, vocabulary, and culture. This course will also prepare the student for achievement tests for placement exams in college and the national seal of biliteracy. Benchmark proficiency: Intermediate mid to advanced mid with a broadened vocabulary in abstract language.

Spanish I College Prep

As a beginning course for college-bound students, Spanish I seeks to develop fundamental skills in the four basic areas of language: speaking, understanding, reading, and writing. With a heavy focus on input based activities through reading and listening. It includes an introduction to the culture of the Spanish-speaking world. Benchmark proficiency: Novice low to Novice high.

Spanish I Honors

Prerequisite: Department approval

This course is designed to build upon fundamental listening and speaking capabilities of students. The course will also develop and increase underlying skills in reading, spelling, and writing competency and creativity while improving overall language skills for use with mass communication and daily life situations with a focus on basic academic language beyond the familiar use. Benchmark proficiency: Novice high to Intermediate low.

Spanish II College Prep

Prerequisite: Spanish I

Spanish II continues the development of skills in all four areas of language, through input-based activities and authentic sources that provide cultural awareness as well as cultural studies in the native language. Writing and Speaking carry a heavier load and are heavily supported by communicative tasks and comprehensible input. Benchmark proficiency: Novice mid to Intermediate Low.

Spanish II Honors

Prerequisite: Spanish I Honors and Department approval

This second course is designed to build upon the fundamental listening and speaking capabilities that were strengthened in Spanish I Honors. The course will also further develop and increase the underlying skills that were augmented in reading, spelling, and writing competency and creativity while improving even further overall language skills for use with mass communication and daily life situations, broadening academic vocabulary is expected and supported by authentic resources aligned with AP curriculum Benchmark proficiency: Intermediate low to intermediate high.

Spanish III College Prep

Prerequisite: Spanish II

Continuing the study of culture as well as the development of skills in all four areas of language, Spanish III seeks to prepare the student for achievement tests for placement exams in college and the national seal of biliteracy. Benchmark proficiency: Intermediate low to Intermediate high.

Spanish III Honors

Prerequisite: Spanish II H and Department Approval

This course is designed for the serious students of Spanish who wish to develop their performance in the language skills, but who need to work towards the proficiency in those language skills in a intermediate mid to advanced low. The content of this course will reflect the intellectual interests shared by the students and teacher (the arts, history, current events, literature, culture, sports, etc.) and will encompass both formal and informal language styles. Summer enrichment assignment required. Benchmark proficiency: Intermediate mid to advanced low with a broadened vocabulary in abstract language. This course seeks to prepare the student for achievement tests for advanced placement in college and the national seal of biliteracy.

Spanish IV Honors

Prerequisite: Spanish III or III H

Spanish IV is a total immersion Spanish course for students who wish to further develop the writing, speaking, reading, and listening skills they acquired in Spanish III. Accuracy and fluency in these four target areas will be emphasized through the study of grammar, vocabulary, and culture. This course will also prepare students for a College Placement exam in Spanish language. Summer enrichment assignment required. Benchmark proficiency: Advanced low to advanced mid with a broadened vocabulary in abstract language and professional language.

Spanish Literature AP

Prerequisite: Spanish III Honors, Spanish IV, or Advanced Spanish Conversation, and Department Approval

Spanish Literature AP covers selected works from the literature of Spain and Spanish America. The function of the course is to prepare students to understand a lecture in Spanish and to participate actively in discussions on literary topics in Spanish. The student will learn to analyze critically the form and content of literary works orally and in writing using appropriate terminology. This study will culminate with the student sitting for the AP Spanish Literature exam in May. Summer enrichment assignment required. Benchmark proficiency: Intermediate mid to advanced high with a broadened vocabulary in abstract language, literary terminology, authentic sources will be used consistently.

ELECTIVES

Physical Education Department

Athletic Development

The Athletic Development course aims to grow and develop our student-athletes through individual skill development, strength and agility training, conditioning, team practices (when possible) as well as lessons of self-discipline, accountability, and perseverance. The course is available to Bishop Dunne student-athletes in grades 9-12. Students can be placed in the Athletic Development course as long as it works with their schedule and does not conflict with an academic course requirement.

Dance

Semester Course

Dance I is an introduction to contemporary, lyrical, hip hop, jazz, and modern dance technique. Students will learn conditioning exercises, basic dance warm ups and stretches, and perform lyrical and jazz combinations as a class. Students will also learn dance terminology, choreography, and history.

Strength

Semester Course

This course focuses on the different aspects and processes in maintaining a healthy lifestyle. Students will learn about the dietary needs of the human body and healthy eating. The students will learn the benefits of a fitness routine, ranging from weights to cardio-vascular exercise to movement exercises such as yoga and Pilates. The course will combine theory and practice, so the informed student will have the tools to pursue a healthier lifestyle.

Yoga

Semester Course

Yoga is a form of exercise that gets one in tune with the body's muscles, improves posture, expands breathing capabilities and aids in physical and mental well-being. Focused on developing strength, balance and flexibility, the semester-long course will help increase concentration levels and vitality as well as decrease stress and improve mental clarity. This class is geared toward beginners.

Fine Arts

Visual Arts

Art Appreciation

Semester Course

Restricted to Dallas College Dual Credit Students

A general introduction to the visual arts designed to create an appreciation of the vocabulary, media, techniques, and purposes of the creative process. Students will critically interpret and evaluate works of art within formal, cultural, and historical contexts.

Dual Credit awarded through Dallas College for qualifying students.

Introduction to Art

Semester Course

Introduction to Art is an introductory studio drawing course with emphasis on developing basic drawing skills and fundamental design and composition concepts. In addition to technical skills, an exploration of creative thinking, problem solving, and critical analysis will be studied. Students will be encouraged to develop an expression of individual style.

Drawing and Painting

Prerequisite: Intro to Art

Semester Course

Drawing and Painting is an intermediate studio drawing and introductory painting course. Students will continue development of drawing skills and design principles learned in Art I, and will be introduced to painting tools and techniques. Color theory will be an integral part of the course studies and projects. Students will be encouraged to develop an expression of individual style.

Advanced Painting

Prerequisite: Intro to Art and Drawing and Painting

Semester Course

Advanced Painting is an advanced painting course for students who would like to continue to develop their painting skills. Further emphasis will be placed on color theory and composition. Students will be encouraged to develop an expression of individual style.

Photography 1

Prerequisite: Intro to Art

*Requirements: DSLR personal camera, laptop/computer compatible with Adobe Creative Suite software (iPad/Chromebooks/Windows SE are **not** compatible)*

Semester Course

Photo 1 is an introductory digital photography course. Students will explore basic photography techniques, including an understanding of camera mechanics, digital manipulation, digital darkroom techniques, and design and composition concepts. Students will be encouraged to develop an expression of individual style.

May be used as a technology or art credit.

Photography 2

Prerequisite: Photo 1

*Requirements: DSLR personal camera, laptop/computer compatible with Adobe Creative Suite software (iPad/Chromebooks/Windows SE are **not** compatible)*

Semester Course

Photo 2 is an intermediate photography course. Students will continue the development of digital photography and Photoshop skills learned in Photo 1 with an in-depth look at advanced photography techniques and design concepts. Students will be encouraged to develop an expression of individual style.

May be used as a technology or art credit.

Yearbook

Prerequisite: Teacher Recommendation

*Requirements: Laptop/computer compatible with Adobe Creative Suite software (iPad/Chromebooks are **not** compatible)*

Year Long Course

The Yearbook course at Bishop Dunne is an elective course that works toward the completion and selling of a large finished, printed product, which provides students with marketable experience in journalism, photography, digital image editing, and print media publishing. In class, students compose and edit all elements of the project, including formatted text, layout, graphic art, and digital photography. Students are assigned or elected to certain duties as well as pages in the book and must meet all deadlines imposed by the project manager or adviser. The course covers many of the content standards and objectives encountered in English courses, graphic arts, business, and computer technology courses. Students will learn journalism techniques, including layout and design, writing and editing copy, headlines and picture captions, interviewing and reporting, and photography. Students will learn proofing strategies and work together to agree on the book's theme and layout.

May be used as a technology or art credit.

Ceramics 1

Prerequisite: Intro to Art

To learn technical skills, vocabulary, processes and materials related to using clay as an art material for making pottery and sculpture. To explore the creation of personal content in art and how that is conveyed to a viewer. To increase knowledge of historical and contemporary practices in ceramic art. Beginner introduction to throwing on the wheel and techniques to hand-building.

Ceramics 2

Prerequisite: Ceramics 1

Ceramics 2 is an intermediate ceramics course. Students will learn about clay and glaze composition and formulation. Students will also learn to increase the scale of work while keeping control over the quality, coherence, and contour of the work. A variety of hand building methods including extended pinch, slab built, and extruded forms will be practiced.

Studio Art AP

Prerequisite: Intro to Art and departmental approval. Upper level art classes encouraged but not required.

[Studio Art AP](#) is a year-long advanced studio course focusing on three major areas: a sense of quality in artwork, a concentration on a particular visual interest or problem, and the need for breadth of experience in formal, technical, and expressive means. The course is intended for highly motivated students who are seriously interested in the study of art.

All students will submit a complete portfolio in May. Summer assignment required.

Music

Band Fundamentals

Band Fundamentals is offered to allow 9-12th grade students the opportunity to learn band fundamentals for winds or percussion before participating with the advanced band or percussion ensemble. Completion of this class should yield mature, informed, disciplined, and competent young musicians, prepared for advanced and marching band.

Advanced Band

Advanced Band is for all 9-12th grade experienced musicians; the focus is on concert performance, preparations for auditions (high school and college), and more advanced literature. Completion of this class should yield mature, informed, disciplined, and competent young musicians, prepared to participate with college ensembles by the end of their senior year.

Advanced Honors Band

Prerequisite: Audition before music faculty and Department approval

Although mostly focused on grade 11 and 12 musicians, Advanced Honors Band is open to 9-12th grade experienced musicians. This class meets and prepares at the same time as the advanced band and includes advanced band expectations of advanced musicianship, a strong performance history as well as extra assignments. This class will be weighted at the 4.5 level.

String Orchestra

Beginning String Orchestra (Violin, Viola, Cello, String Bass) is an exploratory class with emphasis on individual achievement as well as group performance standards. Students are asked to invest in their musical studies to gain a genuinely enjoyable emotional, spiritual and musical time as well as help in academic achievements and teamwork abilities. No previous musical experience is necessary to join this class.

Students may receive one full high school Fine Art credit for successful completion of this course.

Advanced String Orchestra

Prerequisite: Audition or intermediate string orchestra

Advanced String Orchestra (violin, viola, cello, string bass) synthesizes the lessons from beginning and intermediate orchestra classes into strategic directions and goals, individually and collectively. Performances include concerts at Bishop Dunne as well as competitive and invitational events both on and off campus. Students will be invited to consider long-term individual goals such as playing at family functions, regional or state competitions, as well as how these individual goals support the continued success of the string orchestra program at Bishop Dunne.

Advanced Honors String Orchestra

Prerequisite: Audition before music faculty and Department approval

Advanced Honors String Orchestra (violin, viola, cello, string bass) is the highest level of string orchestra playing on Bishop Dunne's campus. Students perform as a part of the Advanced String Orchestra while preparing leadership positions both musically and socially within the larger context of our orchestra program and Bishop Dunne musical family. Performing as a soloist, small ensemble member, and larger orchestra is expected of young people enrolled in this course.

Choir

Semester Course

Choir is for all 7-12th grade beginning or experienced musicians; the goals of the class will be tailored to the needs of the students with a focus on music literacy, basic theory, and performance techniques. Musicians will be performing various styles of music. There will be performance opportunities for the individual as well as the ensemble, as appropriate.

Advanced Choir

Prerequisite: One semester of Choir or Department approval

Advanced Choir is for all 7-12th grade experienced vocalists who have completed at least one semester of Choir; the goals of the class will be tailored to the needs of the students with a focus on music literacy, further development theory, sight-singing, and performance techniques. Musicians will be performing various styles of music, with each month of the course being focused on a different genre of choral music. There will be performance opportunities for the individual and the ensemble, as appropriate. Students will also build a portfolio to be used in the audition process for competition, collegiate studies, or outside performance.

Completion of this class should yield matured, informed, disciplined, and competent young musicians, prepared to participate with college and professional ensembles by the end of their senior year.

AP Music Theory

Prerequisite: Previous music skills including the ability to read and write musical notation, and departmental approval

[AP Music Theory](#) will teach students how to learn to recognize, understand, and describe the basic materials and processes of music. You'll develop skills by listening to, reading, writing, and performing a wide variety of music.

Marching Band (Fine Arts Credit)

Fall semester

Marching Band is aimed at experienced 9th -12th grade musicians and interested and capable 7th and 8th grade musicians. This is the most active and well known of the ensembles, performing at football games, parades, marching contests, etc. This is a class for a grade, and it will meet on Tuesday/Thursday from 7:00 a.m.-8:15 a.m. Extra rehearsals may be called as needed. Students who have participated in this class in the fall will be expected to participate in any marching events during the spring semester.

Completion of this class should yield mature, informed, disciplined, and competent young musicians, prepared to enter the college marching and pep band levels by the end of their senior year.

Marching Band (Physical Education Credit)

Fall semester

Marching Band is aimed at experienced 9th -12th grade musicians and interested and capable 7th and 8th grade musicians. This is the most active and well known of the ensembles, performing at football games, parades, marching contests, etc. Unlike the Fine Arts section of the class, this class is not for a grade, but rather for a PE credit to count towards graduation. The band meets on Tuesday/Thursday from 7:00 a.m.-8:15 a.m. Extra rehearsals may be called as needed. Students who have participated in this class in the fall will be expected to participate in any marching events during the spring semester.

Completion of this class should yield mature, informed, disciplined, and competent young musicians, prepared to enter the college marching and pep band levels by the end of their senior year.

Jazz Band

Spring semester

Jazz Band is open to 6-12th grade musicians as ability level allows; the focus of the ensemble is to learn basic jazz styles and beginning improvisation concepts. This is a highly sought after ensemble that may have unique performance opportunities, depending on the preparations of the ensemble. Those looking to join the jazz band in the spring should begin rehearsing when the ensemble starts in mid-late November, as they prepare for the Christmas Concert. The class will meet at the marching band class time at the conclusion of necessary marching rehearsals: Tuesday/Thursday at 7:00 a.m.-8:15 a.m.

Completion of this class should yield mature, informed, disciplined, and competent young musicians who are knowledgeable about the history of jazz and its impact on America, as well as being basically competent at several jazz styles.

Theatre Arts

Theatre I

Semester Course

Theatre Arts I will introduce students to the conventions of theatre including its history and traditions. Through diverse forms of storytelling and production, students will exercise and develop creativity, intellectual curiosity, critical thinking, problem solving, and collaboration skills. Participation and evaluation in a variety of theatrical experiences will afford students opportunities to develop an understanding of self and their role in the world.

Theatre II

Semester Course

Theatre Arts II aims to continue the work started in Theatre Arts I. In this course, students will further their understanding of acting by learning multiple acting techniques, analyze the structure and ideas of multiple genres, characters, and themes, as well as experience the multiple creative roles of theatre through performance. The class also aims to ensure students develop effective voice and diction while practicing safe acting techniques. Students will also create a portfolio of work (containing monologues and possibly songs) for auditions, aiming to prepare them for local and collegiate theatre opportunities. This will result in a final portfolio project in which students will record “self-tapes” for submission.

Technical Theatre I

Semester Course

Requirements: Grades 9-12

In Technical Theatre I, students will get the chance for a more hands-on approach to the technical side of theatre. Students will learn about the history of the technical side of theatre, as well as what implementations are present in theatre today. Through a variety of experiences with diverse forms of storytelling and production, Technical Theatre I

will afford students the opportunity to develop and exercise creativity, intellectual curiosity, critical thinking, problem solving, and collaborative skills. Participation and evaluation in a variety of theatrical experiences will afford students opportunities to develop an understanding of self and their role in the world.

May be used as a technology or fine arts credit.

Music Theatre Appreciation

Prerequisite: Grades 10-12

Semester Course

Music Theatre Appreciation is a course focused on the appreciation of the world of Musical Theatre. In this course, students will explore the rich history of musical theatre, develop an understanding of the differences between the genres and styles, analyze both text, song, and dance, as well as breakdown the shows themselves. Students will engage with shows (either through video, audio, or live performance) to develop their opinions of the live performance art form. We will also explore the socio-political interactions between musical theatre and the public.

TECHNOLOGY

AP Computer Science Principles

[AP Computer Science Principles](#) introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. It is important to note that the AP Computer Science Principles course does not have a designated programming language. Teachers have the flexibility to choose a programming language(s) that is most appropriate for their students to use in the classroom. This class will be weighted at the 5.0 level.

BCIS – Business Computer Information Systems: Computer Applications

Semester Course

Prerequisites: Dallas College Dual Credit students only. Must have a laptop capable of running full versions of Microsoft 365 (Chromebooks are not compatible to complete coursework).

Introduces and develops foundational skills in applying essential and emerging business productivity information technology tools. The focus of this course is on business productivity software applications, including word processing, spreadsheets, databases, presentation graphics, data analytics, and business-oriented utilization of the internet.

Preference is given for students that are part of the Collegiate Academy as it is required by Dallas College for that program.

Engineering 1

Prerequisite: Grades 10-12

Semester Course

Students work through the design process using progressively sturdier materials. The process includes making technical drawings, creating supply lists, estimating costs, building scaled up models, followed by building full-scale constructs. Projects typically progress from paper, toothpicks, cardboard, and wood to mixed media. Students often build bridges, catapults, furniture, several types of vehicles, and final practical projects of their own choosing. Only upper-class students (10-12th grade) may choose this semester elective. Some building materials are supplied but specialty projects require student purchase of their own supplies.

Engineering 2

Prerequisite: Engineering 1

Semester Course

Students will apply design principles learned in CAD or Engineering to build and refine major projects. Students can choose to create machines, design, build or 3D print structures, develop programming sequences for complex

tasks in ground or flight-based automated vehicles, or build out Arduino/raspberry pi projects. Students will work in a maker space environment to bring researched designs to fruition for both competition and use in practical settings ideally to aid in service learning scenarios. Many projects will require students to be responsible to provide some of their own supplies as part of the engineering process.

GeoTech: Intro to Drones, GPS & GIS

Semester Course

This is a basic introduction course in geospatial/mapping technologies. Students will learn the fundamentals in both manual and automated flying of UAV's (Unmanned Aerial Vehicles) and how to convert the images collected into 3D environments and high-resolution mosaic sets. Students will also use Global Positioning System (GPS) units to collect and analyze data for search and rescue applications and to conduct field data collection for tree or animal surveys. Finally, students will learn the basics of using layered mapping GIS (Geographic Information Systems) to study local projects and issues like violent crime and also take part in global humanitarian online efforts for the International Red Cross for disasters like hurricanes or earthquakes.

Advanced Tech (GIS)

Prerequisite: Departmental Approval Required

Students who sign up for this independent research class must first define a project using spatial and scientific technology and work with mentors and coordinators. Students represent the story of what they determine is important and regularly report verified findings while refining their question to remain on target in solving questions in these fields. Students will be mentored in telling their stories powerfully with media and data gathered for maximum impact from professionals in the field. Students are encouraged to summarize their work in conference proceedings, written articles, and reports for agencies in which they become involved. At least one presentation is expected at a conference of our planning such as Bishop Dunne's GeoTech or Esri's summer educational summit or at a science or Geography Teachers conference in the fall. In preparation for such events students may be required to spend additional time outside of class to process information gathered or reports generated. This class will be weighted at the 5.0 level.

Gaming

*Requirements: Laptop/computer compatible with Adobe Creative Suite software (iPad/Chromebooks/Windows SE are **not** compatible)*

Semester Course

Gaming is a hands-on elective designed to challenge both novice and computer savvy students alike. The course curriculum concentrates mainly on the development of casual games using the MIT program Scratch, Minecraft in Education, Gamemaker 2 and JavaScript in the HTML 5 canvas. The focus will be on gaining an understanding of the various programming languages and platforms used for developing casual 2D games; the basic elements of scripted actions; JavaScript and Python; file and folder management; etiquette and copyright guidelines; developing an understanding of both casual and complex gaming; and ultimately the publishing of finished games for posting on the Internet and for public play.

Advanced Gaming / VR

Prerequisite: Students must have prior knowledge of coding and have completed one of the following courses: Gaming, Robotics or Engineering. Courses outside of Bishop Dunne and coding camps may also be considered.

In the Advanced Gaming and VR course, students will work in a Team environment to create 2D and 3D games mainly in the Unity Technologies game engine. Unity is a flexible, real-time development environment for virtually all modern computer platforms that is the basis for many, if not most, virtual reality and augmented reality experiences. Students will use a variety of skills including audio and graphics design, logic and coding, knowledge of gameplay to create working games and VR experiences.

Graphic Design

Prerequisite: Intro to Art

*Requirements: Laptop/computer compatible with Adobe Creative Suite software (iPad/Chromebooks/Windows SE are **not** compatible)*

Semester Course

Graphic Design is a foundation graphics course utilizing computer media with an emphasis on design elements and principles. Typography, illustration, digital imaging, and manipulation of images will be covered. In addition to technical skills, an exploration of creative thinking, problem solving, and critical analysis will be studied. Students will be encouraged to develop an expression of individual style. In addition to technical skills, an exploration of creative thinking, problem solving, and critical analysis will be studied. Students will be encouraged to develop an expression of individual style.

May be used as a technology or art credit.

Graphic Design II

Prerequisite: Graphic Design I

*Requirements: Laptop/computer compatible with Adobe Creative Suite software (iPad/Chromebooks/Windows SE are **not** compatible)*

Semester Course

The core emphasis of this course covers the history of typography, an introduction to page layout design (both for print and online environments), as well as a study of influential designers. Strong emphasis is placed on the history of type and the technical, problem-solving and aesthetic use of display and text type. Through lectures, demonstrations, and studio work, students are introduced to the creative thinkers, important innovations, and breakthrough technologies that have shaped the evolution of visual communication. Creative thinking is encouraged, along with prescribed techniques and media.

May be used as a technology or art credit.

Robotics

Semester Course

Students will learn the foundations of robotics and how they are used in the modern world today. Upon completion of the course, the successful student should have an understanding of robotics and engineering design and their use in everyday life, and the ability to safely apply these concepts in the laboratory.

Advanced Robotics

Semester Course

Students will build upon the foundations from the Beginning Robotics class. Upon completion of the course, students will be able to design, test, and refine a number of robots and understand the use of robotics in daily life. Students will also mentor beginning robotics classes.

Web Design

*Requirements: Laptop/computer compatible with Adobe Creative Suite software (iPad/Chromebooks/Windows SE are **not** compatible)*

Semester Course

The Web Design course is a hands-on elective designed to challenge both novice and Web savvy students alike. The focus will be on gaining an understanding of the various programming languages and platforms used on the Web; original content creations using various Adobe programs including Dreamweaver, Illustrator, Photoshop, XD and Animate; the basic elements of Internet protocol; Web server software; formatting of pages; file and folder management; etiquette and copyright guidelines; developing a specific purpose and goal for the site; and ultimately the publishing of Web site projects on the Internet for public view.

OTHER ELECTIVES

AP Research

Prerequisite: AP Seminar and Faculty approval

[AP Research](#) is the second course required for the [AP Capstone Certificate or Diploma](#). Build on what you learned in AP Seminar to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, you will design, plan, and conduct a year-long research based investigation to address a research question.

African American Literature

Prerequisite: English II (College Prep or Honors) and Department approval

African American literature survey course presented in a historical perspective and context including traditional African myths and folklore, slave narratives/slavery experience, Harlem Renaissance, and contemporary (21st century) period. Students are introduced to the evolving themes and styles of this specific genre of literature and given opportunities to read, analyze and discuss various prose selections, poetry, drama, and novels. Students will continue to develop critical thinking skills and improve writing skills with a variety of assignments. Grammar will be reviewed on a regular basis and the development of vocabulary skills will be ongoing. Students will practice these skills in a variety of writing assignments leading up to and including the research process in preparation for the required research paper. This course does not replace the required English coursework. Course credit is weighted at 4.5 level.

African American Studies AP

Prerequisite: English II and Department approval

AP African American Studies is an interdisciplinary course that examines the diversity of African American experiences through direct encounters with rich and varied sources. Students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment.

America in the 1960s

Semester Course

The America in the 1960s course will explore the significance of prominent events, individuals, movements, cultures, music, and other aspects of the decade in the United States. Students will learn how and why those aspects of the decade impacted both the history and the current status of our nation. The course will be project-based and students will develop valuable skills such as critical thinking, research, document reading, music interpretation, along with forming and conveying an argument.

Animals & Humans

Semester Course

In this Semester Course students will identify and explore various species of domestic animals, as well as other wildlife, with concentration on those indigenous to Texas. Students will also learn about the procedures taken by rescue groups and shelters in reference to stray animals. Students will examine basic veterinary medical procedures and legal aspects of animal cruelty. This course will be reinforced with caring for the animals in the school animal wellness lab, lab experiments, projects, and research. Other topics include, but are not limited to the following: agriculture, adoption and pet care, animal assisted therapy, animal behavior and training, animal systems modeling, forensics and toxicology, human-animal interaction, husbandry, and animal systems.

Psychology College Prep

Semester Course

In Psychology, an elective course, students study the science of behavior and mental processes. Students examine the full scope of the science of psychology such as the historical framework, methodologies, human development, motivation, emotion, sensation, perception, personality development, cognition, learning, intelligence, biological foundations, mental health, and social psychology.

Psychology Dual Credit – PSYC 2301

Restricted to Dallas College Dual Credit Students

Semester Course

General Psychology is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes.

Sports Medicine

Sports medicine is designed for students interested in fields such as athletic training, physical therapy, medicine fitness, physiology of exercise, kinesiology, nutrition, and other sports medicine related fields. The course includes class work and practical hands-on application in the following areas: prevention, treatment, and rehabilitation of sports injuries, taping, and wrapping injuries, first aid/CPR, emergency procedures, basic nutrition, and sports medicine careers.