



2024-2025

UPPER SCHOOL COURSE REGISTRATION GUIDE

Dear Students and Parents,

As a school community, we at The Brook Hill School are deeply committed to our mission of providing excellence in college preparatory education, while also affirming the unique gifts and challenging the potential of each of our students. We believe our students are capable of great things, and we strive to support them as they grow and develop into thoughtful, engaged members of society. In keeping with our mission, we also seek to encourage our students to honor God through Christ-like character, embodying values such as compassion, integrity, and perseverance in all that they do.

Our sincere hope is that this course selection guide will help you to identify the classes that will both inspire and challenge you, as you work towards achieving your academic goals and fulfilling your potential. As you use this guide to plan for the future, we hope that you will be inspired to dream big and work hard towards achieving your goals. Remember, we are here to support you every step of the way, and we look forward to celebrating your successes with you in the years to come.

Should you have any questions about the course selection process or registration, we're always here to help. Don't hesitate to reach out to our Academic Office at 903-894-5000, or feel free to send us an email at abouwer@brookhill.org or jsturdivant@brookhill.org. We're committed to supporting you every step of the way.

Sincerely,

Ashley Bouwer and Jaime Sturdivant
Academic College Counselors
The Brook Hill School

**COMMIT YOUR PLANS
TO THE LORD
WHATEVER YOU DO,
AND YOUR PLANS
WILL SUCCEED.**

PROVERBS 16:3



We encourage you to make all course decisions through prayer and with your future goals in mind.

TABLE OF CONTENTS

Graduation Requirements-Class of 2025+	4
Academic Distinctions	5
Course Planning Worksheet-Class of 2025+	6
Registration Policies & Procedures	7
College-minded Course Selection	9
Advanced Placement & Dual Credit	10
Weighted Grades	15

Course Descriptions

Bible Department.....	17
Fine Arts Department	20
World Language Department	28
Business Department	30
Humanities Department	32
Mathematics Department.....	39
Physical Education Department	44
Science Department	45
Electives.....	50
SPARC.....	53

GRADUATION REQUIREMENTS for the class of 2025+

DISTINGUISHED GRADUATION PLAN

ENGLISH	4 credits
HISTORY	2 credits
U.S. HISTORY	1 credit
AMERICAN GOVERNMENT	½ credit
MACROECONOMICS	½ credit
MATHEMATICS	4 credits ¹
SCIENCE	4 credits ²
WORLD LANGUAGE	3 credits ³
FINE ARTS	1 credit
BIBLE	3 credits
PHYSICAL EDUCATION	1 credit
CLASS SEMINAR	½ credit
ELECTIVES	2 ½ credits
TOTAL	27 credits*

***At least four credits must be from the advanced course list.**

RECOMMENDED GRADUATION PLAN

ENGLISH	4 credits
HISTORY	2 credits
U.S. HISTORY	1 credit
AMERICAN GOVERNMENT	½ credit
MACROECONOMICS	½ credit
MATHEMATICS	4 credits ¹
SCIENCE	4 credits ¹
WORLD LANGUAGE	2 credits ³
FINE ARTS	1 credit
BIBLE	3 credits
PHYSICAL EDUCATION	1 credit
CLASS SEMINAR	½ credit
ELECTIVES	2 ½ credits
TOTAL	26 credits

¹ Must include Algebra 1, Geometry, and Algebra 2.

² Must include Biology, Chemistry, and Physics.

³ World language credits must be within the same language.

ACADEMIC DISTINCTIONS

The Brook Hill School recognizes seniors for outstanding academic achievement with specific graduation distinctions. These distinctions are divided into three levels: Cum Laude, Magna Cum Laude, and Summa Cum Laude.

Cum Laude

A student achieving an overall Brook Hill GPA of 3.75 or above will be given the distinction *cum laude (with praise)*. Recognition of this distinction will appear on the student's transcript, and the student will be given a bronze cord to wear during graduation ceremonies.

Magna Cum Laude

A student achieving an overall Brook Hill GPA of 3.75 or above and successfully completing four advanced courses will be given the distinction *magna cum laude (with great praise)*. Recognition of this distinction will appear on the student's transcript, and the student will be given a silver cord to wear during graduation ceremonies.

Summa Cum Laude

A student achieving an overall Brook Hill GPA of 3.75 or above and successfully completing eight advanced courses will be given the distinction *summa cum laude (with highest praise)*. Recognition of this distinction will appear on the student's transcript, and the student will be given a gold cord to wear during graduation ceremonies.

Advanced Courses

Because the following courses are AP, DC, or the highest level in the discipline, they may be used to fulfill the requirements for magna cum laude or summa cum laude.

AP Spanish Language 4

AP 2-D Art and Design

AP 3-D Art and Design

AP Drawing

AP Computer Science Principles

AP Computer Science A

Marketing (DC)

Honors Anatomy/Physiology

Advanced Biology (DC)

AP Chemistry

AP Environmental Science

AP Physics 1

AP Physics C

AP Calculus AB (DC)

AP Calculus BC

AP Precalculus

College Algebra (DC)

Trigonometry (DC)

Business Math (DC)

Introduction to Statistics (DC)

AP European History (Humanities 10)

AP Language (Humanities 11)

AP U.S. History (Humanities 11)

English 12 (DC)

AP English Literature & Composition

U.S. History (DC)

Government (DC)

Economics (DC)

COURSE PLANNING WORKSHEET - Class of 2025+

Please utilize this worksheet to plan your upper school curriculum. By completing this before your freshman year and refining/updating each following year, this planning exercise can aid in ensuring that your overall course selections communicate your level of academic challenge and college preparation.

8th grade*

- 1** Algebra 1
- 2** Spanish 1

9th grade

- 1** Humanities 9 - English
- 2** Humanities 9 - History
- 3** Math
- 4** Science
- 5** World Language
- 6** Fine Arts
- 7** PE/Athletics

10th grade

- 1** Humanities 10 - English
- 2** Humanities 10 - History
- 3** Math
- 4** Science
- 5** World Language
- 6** Bible 10
- 7** PE/Athletics, Fine Arts, Elective

11th Grade

- 1** Humanities 11 - English
- 2** Humanities 11 - U.S. History
- 3** Math
- 4** Science
- 5** World Language
- 6** Bible 11
- 7** PE/Athletics, Fine Arts, Elective

12th Grade

- 1** English 12
- 2** Government / Economics
- 3** Math
- 4** Science
- 5** Bible 12
- 6** World Language
- 7** PE/Athletics, Fine Arts, Elective

*Only courses taken for high school credit (Algebra 1, Spanish 1)

In subjects where Honors or AP are offered, students are recommended for these courses based on previous year's grade, PSAT score, and teacher recommendation.

REGISTRATION POLICIES & PROCEDURES

ELIGIBILITY FOR REGISTRATION

RETURNING STUDENTS

The Admissions Office and Business Office will determine a returning student's eligibility to register for the following year. Once cleared through both offices, the Academic Office will process the course request form and create a class schedule. Course placement will continue to change until school begins because of leveling, staff changes, etc.

NEW STUDENTS

The Admissions Office and Business Office will determine a new student's eligibility to register for the following year. Once cleared through both offices, the Academic Office will receive the student's completed file (including final grades from the previous school year and complete official transcript(s) documenting all high school work) and will contact the student/parents to schedule a registration appointment during one of the set New Student Registration Days. Please note that placement testing may be required; therefore, required testing is completed prior to the registration appointment. New boarding students will be contacted by their counselor to register for classes.

REGISTRATION PROCEDURE

RETURNING STUDENTS

Registration is completed with students by appointment with the academic counselor during the spring semester.

NEW STUDENTS

Registration is completed by appointment with the academic counselor during one of the New Student Registration Days. New boarding students will be contacted individually for scheduling.

COURSE AVAILABILITY

The preliminary choice of courses during the registration process helps to establish the widest range of individual choice. However, it is sometimes necessary to ask students to accept modifications to their original choice. This may be due to:

- An insufficient number of students selecting a course so that it is no longer viable
- Encountering scheduling difficulties - one course conflicting with another

We ask students to be flexible in their course selection choices. We always hope to meet students' requests to help them in their planned course of study.

DROP/ADD COURSE POLICY

Ordinarily, students will not be permitted to add or drop courses after the start of the semester in which the course begins. Students are expected to be conscientious in their decision-making regarding course selection. Teachers, students, parents, and the academic counselor are all involved in the process. Therefore, once a program of study has been initiated, changes to selections can occur only if:

- A student has been incorrectly placed as deemed by the school
- A student finds an elective course is not meeting his or her expectations during the eight-day drop/add period
- A student needs a specific course to qualify for college/university admission
- There is a medical reason for course change
- Credit has already been granted for the course in question
- A prerequisite for the course in question has not been met

A student may request to drop or add a course during this eight-day period by submitting a Schedule Change Request Form. A student will be required to continue attendance of the original class until the schedule change is reflected in Veracross. In addition, seniors wishing to drop a course after transcripts have been sent to colleges and universities must notify each institution of the modification to their academic program.

ALL students must have 5 academic courses to be considered full-time students.

Seniors cannot replace a 5th course after the eight-day drop deadline.

The academic counselor will review the request with the US principal prior to the change. Schedule changes initiated by the administration, to balance class sizes, may occur at any time.

COLLEGE-MINDED COURSE SELECTION

What is the best piece of advice you can give a prospective student?

"Take tough courses and do your best in them."

Douglas L. Christiansen, Ph.D.
Associate Provost for Enrollment and
Dean of Admissions
Vanderbilt University

"Take ownership of this process and be sincere. Too often, students are pressured by those around them to pursue curriculums that aren't appropriate for them...because they "look good" on a college resume. I would tell a student to take advice from others, but ultimately pursue the courses...that truly motivate and inspire him or her."

"If you are going to do something, do it well."

Jean Jordan, Dean of Admission
Emory University

"This is YOUR education and YOUR college application. Having that dedication, ownership, and sincerity will not only shine through to the admissions committee but will ultimately make for a more fulfilling high school experience."

Jacinda Ojeda, Regional Director of Admissions
University of Pennsylvania

Colleges care about which courses you're taking in high school.

The courses you take in high school show colleges what kind of goals you set for yourself. Are you signing up for advanced classes, honors sections, or accelerated sequences? Are you choosing electives that really stretch your mind and help you develop new abilities? Or are you doing just enough to get by?

As you select your high school courses, your focus should be on satisfying requirements for graduation and upcoming college admissions. But you will also want to take courses that will stimulate you and that you will enjoy. Create a course plan that will express your interests and demonstrate your work ethic and academic ability as early as possible.

BOTTOM LINE: Colleges challenged to take progressively harder courses or participate will look to your courses and grades to determine whether you are academically prepared, intellectually curious, and up to the challenge of taking progressively harder courses or participating in innovative programs. So, choose classes that interest AND challenge you! Colleges will be more impressed by respectable grades in challenging courses than by outstanding grades in easy ones.

Senior courses DO matter.

Colleges can (and do) revoke offers of admission if senior courses and grades do not reflect the same level of academic performance as the rest of your transcript. Do not let your academic guard down!

"Just as you would want to be in top condition for the start of an athletic season, so, too, do you want to be in top condition for the academic season that begins in August. The habits you form now—your academic strength conditioning—will either help or hurt you in the transition from high school to college. Keep in shape for the rest of the year. We're counting on your success—next fall and beyond."

-Stanley E. Henderson, Associate Provost, University of Illinois.

ADVANCED PLACEMENT AND DUAL CREDIT

The Brook Hill School provides students with two paths to gaining college credit in high school: Advanced Placement and Dual Credit. These programs differ in structure but end in the potential for college credit. Please refer to the information below for more details regarding the individual programs.

ADVANCED PLACEMENT (AP)

The Advanced Placement (AP) program offers students an unparalleled opportunity to develop critical thinking skills and acquire content mastery beyond mere facts and figures. With rigorous course material, engaging classroom discussions, and demanding assignments, AP courses prepare students to meet the academic expectations of higher education institutions.

Participation in AP courses also offers the additional benefits of potentially earning college credit and distinguishing oneself in the college admission process. To receive AP credit on a student transcript and a qualifying grade bump, students must take the AP Exam at the end of the course. However, it is important to note that college credit is not automatically awarded upon successful completion of an AP course. Students may also qualify for college credit based on their outcome of this exam. Ultimately, college credit based on the outcome of the AP exam depends on the policies of individual colleges and universities.

To determine a specific institution's AP credit policies, students are advised to obtain the college's AP policy in writing, which can typically be found on the institution's website or through the College Board's AP Credit Policy Info search tool.

As AP courses are taught at a collegiate level, so students should make well-informed decisions regarding their enrollment. Students are encouraged to consult course descriptions for further information on placement criteria for AP courses.

ADVANCED PLACEMENT (AP) COURSES OFFERED AT BROOK HILL:

Art: 2-D Art and Design	English Literature and Composition
Art: 3-D Art and Design	Environmental Science
Art: Drawing	European History
Calculus AB	Physics 1
Calculus BC	Physics C
Chemistry	Precalculus
Computer Science A	Spanish Language 4
English Language and Composition	US History

DUAL CREDIT (DC)

Dual Credit courses allow students to get high school and college credit simultaneously. All Brook Hill Dual Credit courses are taken on our campus, are taught by Brook Hill faculty, and can be taken to receive college credit at Tyler Junior College or Colorado Christian University. All dual credit courses will appear on your Brook Hill transcript as "DC," meaning they are taught at the college level. To receive college credit a student must register with the college, meet the college's requirements, and pay tuition to the college.

What is the cost of a Dual Credit course?

The high school credit portion of the course is included in Brook Hill tuition. If a student pursues college credit through TJC or CCU, he or she must also pay tuition to the college. The cost is based on whether a student lives within the district (TJC only) and how many hours he or she takes (TJC or CCU).

Should I pursue credit through AP or DC?

This answer depends on several factors. Required higher education courses vary based on the student's major and where he or she plans to attend college. It is best to research specific degree plans at colleges of interest before choosing the route to earn college credit. In some instances, you can receive different credits from AP and DC. AP courses are viewed as more rigorous courses and are recommended for students pursuing competitive college acceptances. It is important for the student to decide what type of credit their college would prefer. Some colleges will not grant credit for DC or AP exam scores. AP exam credit can also differ for each individual college based on the AP score the student receives.

Can I change my mind about pursuing Dual Credit?

Tyler Junior College and Colorado Christian University have set deadlines for students to withdraw from the college credit class without having a grade posted. If you withdraw from the course by this deadline, a "W" will be posted on your college transcript for the course. Withdrawing from the TJC or CCU course does not affect your enrollment in the high school credit portion of the course.

How do I enroll in the Dual Credit course?

Tyler Junior College and Colorado Christian University require students to complete a specific enrollment process each semester. Students MUST complete ALL steps of the process to secure enrollment in the course.

DUAL CREDIT COURSES

Students Must Register And Pay Tuition For Both Fall And Spring Semesters

Tyler Junior College (TJC) Colorado Christian University (CCU)

High School Course

College Algebra/Trigonometry
Business Math/Statistics
AP/DC Calculus AB

Dual Credit Course

TJC Math 1314/1316 (6) Fall/Spring
TJC Math 1324/1342 (6) Fall/Spring
TJC Math 2413 (4) Fall
Total Available: 16

Government
Economics
DC US History
DC English 12
DC Biology
Marketing
Musical Perspectives
Music Fundamentals

CCU POL-207 (3) Fall /Spring
CCU ECO-215 (3) Fall/Spring
CCU HIS- 205/206 (6) Fall/Spring
CCU ENG 102/104 (6) Fall/Spring
CCU BIO 101/111 (4) Spring
CCU MKT 202 (3) Fall/Spring
CCU MUS110 (3) Fall
CCU MUS111 (3) Spring
Total Available: 35

College Requirements:

- Apply for admission and test at TJC.
- Take scores to the TJC Dual Credit Office (TSI pre-assessment www.tjc.edu/testing)
- TSI Exemptions: PSAT 460 R, 510 M; SAT 480 R, 530 M; ACT 23 C, 19 M, 19 R

For TJC courses, students must be exempt or present passing scores on the TSI before they are allowed to register for college classes. After the CA (Counselor Approval) form is signed, students will present it to TJC with payment. Payment arrangements will be made with each individual college, as Brook Hill will not send reminders or intervene as far as payment or testing is concerned.

Tyler Junior College:

http://www.tjc.edu/info/2004237/how_to_apply/147/dual_creditearly_admission_student

Tyler Junior College

Contact Information:

Stephanie Mayo: smay@tjc.edu

Business Office: 903-510-2672

Dual Credit Email: dualcredit@tjc.edu

Dual Credit Office: 903-510-2519/903-510-2716

Dual Credit Office Location: 1421 S. Baxter-Wesley Building Fax: 903-510-2161

Testing Center Location: Rogers Student Center 2nd Floor testingservice@tjc.edu

https://www.tjc.edu/info/20031/testing_services/116/tsi_assessment/5

Testing Centers: M Campus 903-510-2617 West Campus: 903-510-2993

Admissions: 903-510-2523

Colorado Christian University: Registration is online: www.ccu.edu/dualcredit

Contact Information: dualcredit@ccu.edu / 720-872-5695

DUAL CREDIT COLLEGE COURSE DESCRIPTIONS

Colorado Christian University:

POL 207 - Introduction to American Politics

3 Hours

Introduction to political science and American government to prepare students to be effective citizens.

ECO 215 - Introduction to Economics

3 Hours

This course covers what everyone needs to know about how the economy works.

HIS 205 - American History/ HIS 206- The Making of Modern America

6 Hours

American History. Principles of the founding and the political, economic, intellectual, cultural, and religious traditions that have shaped America.

The Making of Modern America. This course centers on the development of America politically, socially, economically, and religiously from the Civil War Era to the 20th century.

ENG 102 - English Composition

3 Hours

English Composition. Effective use of the English language and exploration of rhetorical modes in written composition. Review of structure, purpose, and audience awareness in developing essays.

ENG 104 - Introduction to College Writing

3 Hours

This course focuses on the development and strengthening skills of effective business and professional communication in both written and oral modes. The course includes heavy emphasis on effective research and the process of writing with a particular focus on both academic and business writing. Development of skills in research and writing of formal academic papers: critical thinking, argumentation, and documentation.

BIO 101 - Biological Life/ BIO 111 Biological Life Lab

3 Hours

An introduction to the field of biology. Life processes common to plants and animals, cell structure and function, and an introduction to genetics, biochemistry, and development.

MKT 202 - Principles of Marketing

3 Hours

Strategic planning of a marketing mix (product, price, promotion, and distribution) within the context of the external business environment, including target market analysis. Also, impact of technology and globalization on the field of marketing.

MUS 110 Musical Perspectives

3 Hours

An exploration of music in the broader context of culture and the arts; personal musical experience through listening and doing; and developing the ability to discern aesthetic craftsmanship. Included is an introduction to the elements of music and how music works, the development of a Christian perspective on the arts, a broad survey of representative selections of Western music, and a focused overview of non-western/world music.

MUS 111: From Sight to Sound–Music Fundamentals**3 Hours**

A course exploring the fundamentals of written music and its practical application to sound, and vice versa. Students will gain a basic understanding of the piano, music notation, rhythm, harmony, and basic music theory.

Tyler Junior College:**MATH 1314 College Algebra****3 Hours**

In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included. TSI Complete Math Required for Enrollment

MATH 1316 Plane Trigonometry**3 Hours**

In-depth study and applications of trigonometry including definitions, identities, inverse functions, solutions of equations, graphing, and solving triangles. Additional topics such as vectors, polar coordinates and parametric equations may be included. TSI Complete Math Required for Enrollment

MATH 1324 Mathematics for Business & Social Sciences**3 Hours**

The application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value.

MATH 1342 Elementary Statistical Methods**3 Hours**

Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended. TSI Complete Math Required for Enrollment

MATH 2413 Calculus I**4 Hours**

Limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas.

Prerequisite: MATH 1314/1414 and MATH 1316, or MATH 2412 with a grade of "C" or better or acceptable placement test score

WEIGHTED GRADES

The Brook Hill School prides itself on being a college-preparatory school providing a comprehensive curriculum that is rigorous. Requirements for some courses are even more demanding. As such, select Honors (H), Dual Credit (DC), and Advanced Placement (AP) classes receive extra weighting. These additional values are added to the numerical average before determining the grade point average (GPA). **Students are rewarded with extra points for choosing to take the "more advanced option," where there are different levels of courses to choose from, and for choosing certain junior and senior-level electives. Courses that meet the minimal standards for graduation do not receive extra weight.** The following grade bumps apply to the class of 2025 and beyond.

Courses labeled Honors (H) will receive 3 extra points added to their numerical grade at the end of each semester.

Courses that have been approved through Tyler Junior College or Colorado Christian University for dual credit will receive an extra weighting of 3 points added to their numerical grade at the end of each semester.

Courses designated as AP will receive an extra weighting of 8 points added to their numerical grade at the end of each semester. All students are required to take the AP exam to receive the points and have the AP designation appear on the transcript.

The courses approved for weighting as well as H, DC, and AP status may change from year to year based upon course offerings, approval from the local colleges, and College Board audit status.

The following courses receive 8 extra points at Brook Hill:

AP Art: 2-D Art and Design	AP Environmental Science (AP/DC)
AP Art: 3-D Art and Design	AP European History/Humanities 10 English
AP Art: Drawing (AP)	AP Language & Composition (English 11)
AP Spanish 4 (AP)	AP Literature & Composition (English 12)
AP Calculus AB (DC)	AP Physics 1
AP Calculus BC	AP Physics C
AP Chemistry	AP Precalculus
AP Computer Science A	AP US History

The following courses receive 3 extra points at Brook Hill:

Algebra 2 (H)	College Algebra/College Trigonometry (DC)
Anatomy/Physiology (DC)	English 12 (DC)
Biology (H)	Geometry (H)
Biology (DC)	Government (DC)
Business Math/ Statistics (DC)	Humanities 9 (H)
Chemistry (H)	US History (DC)

These points are added upon successful completion of the course and are posted after final grades are submitted by the instructor, and as a result, will not be used in the determination of exam exemptions.



COURSE DESCRIPTIONS

BIBLE DEPARTMENT

The school is committed to the Bible as God's revealed Word; therefore, our emphasis in the Bible curriculum is to teach our students to read and study the Bible for themselves. Our approach is inductive, raising the questions necessary to involve the learner in the text and make valid conclusions from the reading. Our desire is that the reading and study will lead each student into a deeper walk with Christ. The Bible classes are designed to help the students develop a Christian worldview and understand how biblical principles apply to today's situations.

The Brook Hill Bible Department teaches three different approaches to Bible study: historical, literary, and theological. The middle school focuses on a historical approach. Middle school students learn the significant people, places, and events of the Bible. Grades 9 and 10 focus on a literary approach. During these grades, students learn how to recognize and interpret literary devices in the Bible. Grades 11 and 12 explore a theological approach. During their final two years at Brook Hill, students develop hermeneutical skills, compare a Christian worldview with that of other major religious traditions, and study apologetics.

**DON'T LET
ANYONE LOOK
DOWN ON YOU
BECAUSE YOU
ARE YOUNG, BUT
SET AN EXAMPLE
FOR THE
BELIEVERS IN
SPEECH, IN
CONDUCT, IN
LOVE, IN FAITH,
AND IN PURITY.
1 TIMOTHY 4:12**

Bible 9

In 9th grade, Bible is integrated into the Humanities curriculum. Key books and sections of the Old Testament (Genesis, Exodus, 1 & 2 Samuel, 1 & 2 Kings, Ezra, Nehemiah, Esther, and Job) are studied in 9th grade along with the history and literature of the ancient world.

Bible 10

Grade: 10

Two Semester Course

Credit: 1.0

The Bible 10 course will focus its attention on learning to read the Bible well. This course will reiterate the metanarrative (Big Story) of scripture that our middle school students have worked to learn. Students will (re)visit many of these key passages of scripture with an added Bible study methodology. The curriculum will introduce a simple methodology that will allow students to read the Bible carefully through observations, identify important literary and historical characteristics of the passage, draw out Biblical principles, and apply those principles in our modern context. In this course, students will proactively study the entire story of the Bible, learning how the principles in it can be lived out in their lives.

Bible 11

Grade: 11

Two Semester Course

Credit: 1.0

This course aims to equip students to engage with ideas from within and the world around them. This course will explore how worldviews (belief systems) affect individuals and the culture at large. On the communal level, students will spend time addressing the common beliefs of the Christian Worldview, and then use the Christian Worldview as a foundation to evaluate other worldviews. Students will be able to identify the impact that worldviews can have on culture. This course will help students understand how beliefs inform decisions, feelings, and actions. On the individual level, Bible 11 will provide a unique opportunity for students to explore their innate giftedness and discover what they do best and what they are most motivated to do. Through this identification process, students will receive instruction on the theology of work and rest, discerning the voice of God, and crafting a life prayer that will encompass their personal findings and reflect on their hopes for the future.

Bible 12

Grade: 12

Two Semester Course

Credit: 1.0

Senior Bible is a capstone course designed to prepare students for the rigors of college. University life challenges students on several fronts and this course will do the same. Students who successfully complete the course will be familiar with some of the most common explanations of Christian faith. Students will also have a rudimentary understanding of common objections to Christian beliefs and evaluate both the strengths and weaknesses of these claims. This course will also spend time using the Gospel of John as a means to study John's own defense of the claims Christ had as the Son of God. Students will be challenged to understand Jesus in light of what Scripture says and what logic tells us.

Bible 101

Grades: 10, 11, 12

Two Semester Course

Credit: 1.0

This course is designed to help connect students without any prior Biblical knowledge to some of the fundamental elements of the Christian faith. To accomplish this, students will spend most of the year reading key parts to the Christian story. The course will teach students how to engage with reading Scripture in a consistent and responsible manner. Students will be able to identify the basic outline of the Christian story as told through the Bible. The course will highlight key themes that are carried throughout Scripture. Including both semesters, students will read through several key passages that both tell the story of the Bible and reveal characteristics about the nature of God, man, and Jesus. By the end of the year, students will be able to trace how God has used the story of the Bible to reveal truth and give readers a hope that impacts how they live life today.

Student Ministry Practicum

Grades: 11, 12

Two Semester Course

Credit: 1.0

This course is designed specifically for Juniors and Seniors who are ready to grow deeply in their faith and serve as spiritual leaders for their school. This is a practical, hands-on ministry course, and it will contain some aspects of leading chapels and serving up front. In addition, formative aspects of the course include leadership development, personal spiritual formation, and training in planning and presenting skills. Students will engage with studies of theology, biblical interpretation, spiritual disciplines, and ministry skills development. Students will be selected for this course by a committee and through an application process.

FINE ARTS DEPARTMENT

The role of the Fine Arts Department is to help identify and develop the talents, skills and the creative thinking of every Brook Hill student through the practical study of the visual and performing arts, as well as to provide an experience of enrichment during the school day. Through these classes the student will cultivate both artistic excellence and a deepened connection with their faith. Students will explore, create, and elevate their artistic gifts within a supportive and spiritually nurturing environment and will gain an appreciation for the creative genius and power of God, the original creator.

**ALL THINGS HAVE
BEEN CREATED
THROUGH HIM
AND FOR HIM. HE
IS BEFORE ALL
THINGS, AND IN
HIM ALL THINGS
HOLD TOGETHER.
COLOSSIANS 1:17**

Applied Music

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

Applied Music is designed to provide a place for those students who may or may not already be enrolled in a musical ensemble in the Upper School and would like additional instructional and practice time in a one-on-one form. Additionally, students who wish to perform with one of the Brook Hill Choir but do not have room in their schedule when those ensembles meet, during Applied Music to prepare the same repertoire for the different events and will perform as a member of the Choir.

Art: 2D Art and Design

Grade(s): 9, 10, 11, 12

One Semester Course

Credit: 0.5

2D Art and Design is an introductory level course focusing on two-dimensional art, including drawing, painting, collage, and mixed media. Students will gain foundational skills in 2D design strategies, understanding and developing visual narrative, and creating visual interest in the composition of a work of art. Emphasis will be placed on developing works of art utilizing the principles and elements of design, color theory, and other artistic skills. A variety of media and techniques are explored. Students will be expected to complete 2-3 finished works during the semester. Art history and appreciation are integrated into all Brook Hill Art courses through Artist of the Week discussions and other activities. Students will learn to articulate a critical analysis of various works of art, including that of professional artists', their own, and their peers', both verbally and in writing.

Art: 3D Art and Design

Grade(s): 9, 10, 11, 12

One Semester Course

Credit: 0.5

3D Art and Design is an introductory level course focusing on three-dimensional art, specifically on sculptural design and construction. Students will explore materials such as wire, clay, paper, and found objects in addition to other traditional art materials and will gain foundational skills in 3D design and composition. Students will be encouraged to be innovative and to take risks as they work to create structurally sound and visually interesting works of art. Art history and appreciation are organically integrated into the course curriculum. Students will also learn to articulate a critical analysis of various works of art, including that of professional artists, their own, and their peers.

Art: Introduction to Drawing

Grade(s): 9, 10, 11, 12

One Semester Course

Credit: 0.5

Introduction to Drawing is an introductory level course focusing on drawing skills and techniques that will utilize a variety of drawing media, including graphite pencil, charcoal, colored pencil, oil and chalk pastels, and pen and ink. Students will develop foundational drawing skills and will utilize composition, visual narrative, and design strategies to create visually compelling drawings. Emphasis will be placed on skill development for the first 9

weeks and then create 2-3 major drawing projects for the second 9 weeks. Art history and appreciation are integrated into all Brook Hill Art courses through Artist of the Week discussions and other activities. Students will learn to articulate a critical analysis of various works of art, including that of professional artists, and their peers, both verbally and in writing. *Offered on a rotating schedule in spring of even school years.*

Art: Intro to Ceramics

Grade(s): 9, 10, 11, 12

One Semester Course

Credit 0.5

Intro to Ceramics is an introductory level course focusing on the use of clay as a material for creating 2D and 3D works of art. Students will gain foundational knowledge and skills in hand-built clay structures, wheel throwing, and 2D clay relief techniques. Art history and appreciation are organically integrated into the course curriculum. Students will learn to articulate a critical analysis of various works of art, including that of professional artists, their own, and their peers. *Offered on a rotating schedule in spring of odd school years.*

Art: Introduction to Mixed Media and Collage

Grade(s): 9, 10, 11, 12

One Semester Course

Credit 0.5

Introduction to Mixed Media and Collage is an introductory level course focusing on the use of traditional materials, new media, and found objects, that are combined and arranged to create thought-provoking works of art. The elements and principles of design will be emphasized along with creative risk-taking. Students will be encouraged to be imaginative, innovative, and resourceful in the creation of primarily 2D and, on occasion, 3D works of art using mixed media and collage techniques. Art history and appreciation are organically integrated into the course curriculum. Students will learn to articulate a critical analysis of various works of art, including that of professional artists, their own, and their peers. *Offered on a rotating schedule in spring of even school years.*

Art: Printmaking Processes

Grade(s): 9, 10, 11, 12

One Semester Course

Credit: 0.5

Printmaking Processes is an introductory-level course focusing on traditional printmaking techniques, including primary woodblock, linocut, and silkscreen methods. Students will gain foundational skills in these three printmaking processes and will utilize compositional skills, visual narrative, and design strategies to create compelling prints. The semester will be divided into 4 segments, each one focusing on a specific printmaking process that will result in final print series of 5 and at least two monoprints per printmaking process. As in other Art courses, emphasis will be placed on developing works of art that utilize the principles and elements of design, color theory, and other compositional skills. Art history and appreciation are integrated into all Brook Hill Art courses through Artist of the Week discussions and other activities. Students will learn to articulate a critical analysis of various works of art, including that of professional artists', their own, and their peers', both verbally and in writing. *Offered on a rotating schedule in spring of even school years.*

Art: Digital Photography

Grade(s): 9, 10, 11, 12

One Semester Course

Credit: 0.5

Digital Photography is an introductory level course focusing on the use of smart phones, digital SLRs, and photo-processing software to create interesting and visually compelling photographic images. Students will gain foundational knowledge and skills in basic photography techniques, including lighting, posing the subject, composition of the image, the rule of thirds, camera settings, use of filters, exposure, etc. Students will learn to 'capture the story' of an event, a person, an object, etc. to create visual narrative through their photographic images. Photography students will create at least one 'photo essay' on a subject, and several individual photographs that are theme or subject driven. As in other Art courses, emphasis will be placed on developing works of art utilizing the principles and elements of design, color theory, and other artistic skills. Students will be expected to print at least 10 final images, which may need to be ordered online. Art history and appreciation are integrated into all Brook Hill Art courses through Artist of the Week discussions and other activities. Students will learn to articulate a critical analysis of various works of art, including professional artists', their own, and their peers', both verbally and in writing. *Offered on a rotating schedule in spring of even school years.*

Advanced Art

Grade(s): 10, 11, 12

Two Semester Course

Credit: 1.0

Prerequisite(s): Two semesters of art and instructor approval

Advanced Art is a higher-level course for art students who desire to pursue their art practice thoughtfully and earnestly in a rigorous studio setting. Students will be required to explore a variety of media choices toward their further growth and development as an artist. Emphasis will be placed on the individual development of a portfolio of work. Students will be allowed to take Advanced Art for more than one school year and will be expected to increase in their personal development as an artist during each semester. An Advanced Art student's portfolio may lead to the submission of an AP portfolio to the College Board (2D Studio Art and Design, 3D Studio Art and Design, Drawing). Art history and appreciation are organically integrated into the course curriculum. Students will continue to learn to develop and articulate a critical analysis of various works of art, including that of professional artists, their own, and their peers.

AP Studio Art: 2-D Art and Design

Grade(s): 11, 12 Two Semester Course Credit: 1.0

Prerequisite(s): Four semesters of art and instructor approval

The AP Studio Art: 2-D Design course is designed for the purpose of advancing serious art students to produce a college level portfolio that shows mastery in concept, composition, and the execution of 2-D design. Students should expect the course to be rigorous. The digital portfolio created as a part of the course will ultimately be submitted to the College Board for evaluation/grading in May of each academic year. It will include images of 5 original artworks and 15 images that show evidence of a Sustained Investigation related to one or more of the 5 original artworks. The 2-D design portfolio may include traditional or

experimental approaches to 2-D design. It may be rendered in any of the following media: drawing, painting, printmaking, mixed media, collage, photography, or digital media.

Students who successfully complete this course and submit an AP portfolio will receive eight additional points added to their semester averages.

Studio Art: 3-D Art and Design (AP)

Grade(s): 11, 12 Two Semester Course Credit: 1.0

Prerequisite(s): Four semesters of studio art and Instructor approval

The AP Studio Art: 3-D Design course is designed for advancing serious art students to produce a college level portfolio that shows mastery in concept, composition, and the execution of 3-D design. Students should expect the course to be rigorous. The digital portfolio created as a part of the course will ultimately be submitted to the College Board for evaluation/grading in May of each academic year. It will include images of 5 original artworks and 15 images that show evidence of a Sustained Investigation related to one or more of the 5 original artworks. The 3-D design portfolio may include traditional or experimental approaches to 3-D design. Students are encouraged to take inventive and informed risks.

Students who successfully complete this course and submit an AP portfolio will receive eight additional points added to their semester averages.

AP Studio Art: Drawing

Grade(s): 11, 12 Two Semester Course Credit: 1.0

Prerequisite(s): Four semesters of art and Instructor approval

The AP Studio Art: Drawing course is designed for the purpose of advancing serious art students to produce a college level portfolio that shows mastery in concept, composition, and the execution of drawing. Students should expect the course to be rigorous. The digital portfolio created as a part of the course will ultimately be submitted to the College Board for evaluation/grading in May of each academic year. It will include images of 5 original artworks and 15 images that show evidence of a Sustained Investigation related to one or more of the 5 original artworks. The drawing portfolio may include traditional or experimental approaches to drawing. It may be rendered in a variety of drawing media and techniques.

Students who successfully complete this course and submit an AP portfolio will receive eight additional points added to their semester averages.

Choral (Varsity Choir)

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

Varsity Choir (Guard Chorale) is an advanced, auditioned choir of 9th -12th graders with acquired musical skills through previous training in vocal or other musical mediums. This ensemble requires excellence in sight-reading skills, self-disciplined work ethic, and a strong ability to match and reproduce musical pitch, and rhythmic precision. This is our primary performance group, and it will have a growing schedule of performance and rehearsal gatherings, as well as informal team building retreats. Each member is encouraged to participate in every contest throughout the year, which fosters skill building, and confidence, which is paramount for any medium of the arts. The ensemble will compete in both TMEA Regional Events, as well as TAPPS Adjudication Events.

Digital Media

Grade(s): 9,10,11,12

Two Semester Course

Credit: 1.0

Digital media is a project-based class where students will have new opportunities to experience, learn, and create art through various digital mediums. Projects range from creating music, to programming art, to 3D Printing, to visual communication, to short films. Projects are intended to model tasks a professional creative might experience. Therefore, good habits such as perseverance, self-motivation, and teamwork are highly encouraged. Students who are interested in new ways to experience and participate in our digital world will find many ways to have success in this class.

Drama

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

The Upper School Drama course is designed for students desiring a challenging and performance oriented theatrical experience. The course introduces students to theatre in a practical way and to the basic acting concepts of stage voice, characterization and stage direction. The course text is titled Performance Literature - Oral Interpretation and Drama Studies for Christian Schools. The text was written and compiled by the faculty of Bob Jones University. Students develop their acting ability through improvisational exercises, oral interpretations and duet scenes. Advanced students will have the opportunity in the fall semester to participate in the annual TAPPS One Act Play contest as well as the annual fall dinner theatre production, which just celebrated its 25th season. During the spring semester, preparation of competition level literature for the TAPPS State forensic tournament is a principal activity. Exercises include classroom performances of humorous and dramatic prose and poetry, monologues and duet acting scenes. Performances are subjected to peer and teacher critique. Additionally, students will receive hands-on instruction in play production techniques and may serve as crew members for all Brook Hill productions.

Drum Line

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

The Brook Hill Drum Line *Spirit of the Guard* is limited by the number of instruments in the line as well as by skill level of interested students. This course requires that the student go through tryouts and be selected and assigned to an instrument position by the drum corps instructors. The class meets two times per week for practices that last one hour and fifteen minutes each in addition to any performances that are scheduled for that week including football games, basketball games, parades, pep rallies, TAPPS musical competitions and other public performances. Students in this course will need to have the physical ability to walk long distances for extended periods of time while carrying and playing instruments that could weigh up to 50 pounds.

Guitar 1

Grade(s): 9,10,11,12

Two Semester Course

Credit: 1.0

Guitar 1 is a two-semester course designed for the beginning guitar player. Students will learn to play basic open chords, bar chords, and some basic music reading as time allows. We will also begin learning to improvise over basic blues progressions using modified pentatonic

scale patterns. Students are required to do performances each semester as their ability grows.

Guitar 2

Grade(s): 9,10,11,12

Two Semester Course

Credit: 1.0

Prerequisite: Guitar 1

Guitar 2 is a two-semester course designed for the experienced guitar player and/or graduate of Guitar 1. (At minimum students need a knowledge of open and bar chords.) Students will work to learn all the positions in a small praise team/band. Rhythm and lead guitars, Bass, and as time allows basic piano triads and basic drumbeats. Live performances are a required part of the Guitar 2 course.

Music Perspectives & Fundamentals (DC)

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

Music Perspectives & Fundamentals is a non-performing (no public or school-wide performance) class. This class will acquaint the student with a wide range of musical styles and genres through an overview of a variety of musical elements. Students will learn about influential composer's current throughout musical history, contributions to the music of the world, through a Christian view. Students will complete the course having developed the ability to discern aesthetic craftsmanship.

Orchestra

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

Upper School Orchestra is designed for students who already have the ability to play an Orchestral instrument, (Violin, Viola, Cello, and Bass), in at least 1st position. Students will receive progressive instruction on advanced instrumental instrument techniques, (vibrato, shifting, and articulations), and ensemble playing. There are both required and optional performance opportunities for the members of the US Orchestra. The preparation and participation in TPSMEA and TAPPS activities will be a significant part of the activities for the US Orchestra.

Stage Craft

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

Stagecraft is a hands-on course in which students work with the tools and techniques of theatrical production in a practical way. It is not a design course, but one devoted to craftsmanship. Stagecraft introduces students to the technical aspects of theatre production such as set construction, set painting, lighting, sound, prop construction as well as house and publicity. Students learn the skills needed to build and brace scenery, hang, and focus lighting instruments, and implement a sound system. Students are trained in the usage of tools, lumber, and theatrical equipment. Students will play an active role in the various productions during the school year.

Yearbook

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

Students learn about the collecting and editing of material of interest for presentation through the medium of the school yearbook. Students will learn and practice design principles. The editorial and photography staff will learn to capture the typical and special moments of life around the school and look for unique ways to preserve moments for the future. Student leadership roles available. Experience in photography, design, or artistic interests highly encouraged. Students must complete a formal application in order to be selected for the yearbook staff.

WORLD LANGUAGE

God is a communicator. In fact, He calls Himself the Word. The study of a world language and culture helps the student understand more of the diversity of God's creation. World language is the study of another people's language and culture. Through study, the student obtains proficiency in speaking a new language conversationally and also begins to understand a different culture. In today's world, knowledge of another language is a great asset in obtaining a job in many highly competitive fields. Each world language class will integrate a variety of lab activities and internet activities into the curriculum to improve speaking, listening, and reading skills and to aid in the acquisition of structure, vocabulary, and culture.

**THEREFORE, GO
AND MAKE
DISCIPLES OF ALL
NATIONS,
BAPTIZING THEM
IN THE NAME OF
FATHER AND OF
THE SON AND OF
THE HOLY SPIRIT.
MATTHEW 28:18**

Spanish 1

Grade(s): 9, 10, 11

Two Semester Course

Credit: 1.0

First-year Spanish language study is an in-depth introduction to the Spanish language, culture, and history of the Spanish-speaking world. Learning in the target language is aimed at acquisition in the following areas: oral proficiency, listening comprehension, reading comprehension, writing formally and informally, and historical and cultural awareness.

Spanish 2

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

Prerequisite(s): Spanish 1, Placement test required for transfer students

Students will continue building on skills learned in Spanish 1. They will focus on attaining skills in each of the five learning areas solidifying their language acquisition and preparing for a deeper appreciation and understanding of the target language and its people. More complex grammar structures are introduced, requiring the students to know more tenses of oral conversation as well as write fluently in the language. Literature is introduced at a basic level to help students read for understanding and gain exposure to authors that make up Spanish literary classics. Cultural awareness focuses on artists who have shaped Spanish arts, crafts, and modern music.

Spanish 3

Grade(s): 10, 11, 12

Two Semester Course

Credit: 1.0

Prerequisite(s): Spanish 2, Placement test required for transfer students

Students will continue building upon language skills in the target language received in levels 1 and 2. They will aim toward proficiency in oral conversation. Students will receive much of their instruction in the target language, requiring understanding and the ability to manipulate the language comfortably between one another and with native speakers. The students will be introduced to more complex language structures through literature, classroom interactions, field trips, and other activities. The five areas of learning: speaking, listening comprehension, reading comprehension, writing, and cultural studies will be the backdrop for preparing the students to continue in the same language into AP and college courses.

AP Spanish 4

Grade(s): 10, 11, 12

Two Semester Course

Credit: 1.0

Prerequisite(s): Spanish 3, Placement test required for transfer students

The AP Spanish Language and Culture course emphasizes communication by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. The course is taught almost exclusively in Spanish to facilitate the study of language and culture. Students explore culture in both contemporary and historical contexts. The students develop awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, and institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

BUSINESS DEPARTMENT

The Brook Hill School of Business is dedicated to preparing students as Christian leaders in the world of business. We offer a comprehensive curriculum that covers entrepreneurship, personal finance, investing, marketing, and sports management. In addition to traditional classroom instruction, we offer a range of hands-on learning opportunities, projects, and collaborations. These experiences provide students with the chance to apply their knowledge in a real-world setting and gain practical skills.

Our program encourages students to explore the world of business through a Christian worldview. This includes helping them to develop a business mindset that values integrity, honesty, justice, fairness, compassion, and service to others. These values will help students as they seek to mirror Christ to those around them, including their co-workers, managers, employees, customers, and suppliers.

Whether students are interested in pursuing a career in business, starting their own venture, or simply gaining a deeper understanding of business, our program can provide them with the tools they need to navigate complex ethical issues and make informed decisions that align with their Christian values.

**THEREFORE, AS
GOD'S CHOSEN
PEOPLE, HOLY
AND DEARLY
LOVED, CLOTHE
YOURSELVES WITH
COMPASSION,
KINDNESS,
HUMILITY,
GENTLENESS, AND
PATIENCE.
COLOSSIANS 3:12**

BH Business Experience

Grade(s): 11, 12

One Semester Course

Credit: 0.5

Prerequisite: Entrepreneurship

In this course students will apply learning gained from the Entrepreneurship course through a hands-on work experience in The Guard Shop and/or The Cabin Coffee House. Students will perform regular employee duties during the class time they are assigned to work. Each student will report to the manager on duty as well as the course instructor and will be responsible for maintaining good standing with the store manager, submitting assignments, and attending scheduled meetings with the course instructor. Students will earn elective credit in lieu of wages.

Entrepreneurship

Grade(s): 9, 10, 11, 12

One Semester Course

Credit: 0.5

In this course students will be introduced to the fundamentals of business operations that are essential to understanding how businesses function. Most importantly, they will learn how to define and develop an entrepreneurial mindset and gather tools that they can apply to various business ventures throughout their lifetime. Students will be challenged to step out of their comfort zones and to learn leadership principles, especially how to be visionaries in business who can respond quickly to change, can give and receive helpful critique, and can collaborate with a team.

Personal Finance and Investing

Grade(s): 9, 10, 11, 12

One Semester Course

Credit: 0.5

This course aims to provide students with an understanding of financial concepts and strategies that will help them make informed financial decisions throughout their lives. Students will learn how to budget, save, and invest. Along the way, they will discover their tolerance for risk under various conditions and develop a personalized investment strategy. Students will be challenged to keep up with market news and current events that will inevitably affect their portfolios in the short term. Preparing wisely for retirement is a discipline that should begin early and carry on into the future.

Marketing (DC)

Grade(s): 9, 10, 11, 12

One Semester Course

Credit: 0.5

Prerequisite: Entrepreneurship

This course is designed for students interested in studying how businesses, people and governments promote and sell their products and services. Students will take an in-depth look at the marketing mix functions, and process with an emphasis on identifying ethical marketing as well as its abuses. Students will be challenged to evaluate the various complexities of marketing through the historical and current behavior of non-profit and for-profit businesses.

Students taking this course for dual credit must meet the college's guidelines. Students who successfully complete the dual credit portion of the course will receive three additional points added to their semester averages.

Sports Management

Grade(s): 10, 11, 12

Two Semester Course

Credit: 1.0

In this course students will apply basic business concepts to each level of organizational sports from pee wee to pro. The focus will be on ethics, marketing, law, finance, management, and recruitment, all under the sports umbrella. In addition, students will be introduced to a variety of career opportunities and responsibilities at all levels of the sports industry.

HUMANITIES

The philosophy of the Brook Hill Humanities Department is to teach an integrated curriculum of history and English. We do this because we believe that students gain a better understanding of the world around them when they view literature through the eyes of history and history through the eyes of literature.

In short, Humanities is the intensive study of the great writings, people, events, works and ideas that have formed and reformed civilization as we know it. It is not two courses taught by one teacher. Rather, it is one course in which a teacher teaches the normative works of our culture within their historical settings. This helps the student understand how the works and the people who wrote them were influenced by their times. It also reveals the universal nature of the great works, which are classics precisely because they somehow speak to all people at all times. Through such historical/literary integration, students are grounded in a view of the world that enhances and illuminates their more specialized studies of math, science, art, and foreign languages. The Middle School courses cover the history, writings, people, events, etc. of the ancient world (grade 6), Texas (grade 7), and the United States (grade 8), while the Upper School courses cover the western world (grades 9 and 10) and the United States (grade 11). Each of these courses includes a history text, which gives the historical flow of the periods under study.

Not only does such a course of learning help students integrate knowledge, it also enables them to refine their reading/writing and speaking/listening skills under the careful attention and evaluation of their teachers. In short, a major emphasis of these courses is to help the students grow in the strategic skills of communication—reading, writing, speaking, and listening—which will enable them to move into any arena of life as confident, articulate, truthful, and persuasive individuals.

Grade 12 courses are not taught from this integrated humanities approach. Students will study the literary genres (comedy, tragedy, epic, and lyric) in English 12, and government and economics in their senior social sciences courses.

**STAND FIRM
THEN, WITH THE
BELT OF TRUTH
BUCKLED
AROUND YOUR
WAIST, WITH THE
BREASTPLATE OF
RIGHTEOUSNESS
IN PLACE.**

Ephesians 6:14

Humanities 9: Western Civilization 1

Grade: 9

Two Semester Course

Credit: 2.0

This year's study is the foundation of a two-year course leading students through the history and significant literature of mankind from ancient to modern times. The course opens with a study of what we know of the beginnings of man and recorded history and closes with the fall of the western Roman Empire. Also emphasized is the establishment and development of the nation of Israel as recorded in the Old Testament and an examination of the life of Christ as recorded in the Gospels and Acts. Examples of the great works read include: *Genesis*, *The Enuma Elish*, *Exodus*, *The Epic of Gilgamesh*, *The Odyssey*, *Plato's Apology*, *The Aeneid*, and *On the Incarnation*.

Humanities 9 Honors: Western Civilization 1

Grade: 9

Two Semester Course

Credit: 2.0

Recommendation: PSAT Reading content score of 26 or above

This year's study is the foundation of a two-year course leading students through the history and significant literature of mankind from ancient to modern times. The course opens with a study of what we know of the beginnings of man and recorded history and closes with the fall of the western Roman Empire. Also emphasized is the establishment and development of the nation of Israel as recorded in the Old Testament and an examination of the life of Christ as recorded in the Gospels and Acts. Examples of the great works read include: *Genesis*, *The Enuma Elish*, *Exodus*, *The Epic of Gilgamesh*, *The Odyssey*, *Plato's Apology*, *The Aeneid*, and *On the Incarnation*.

As an Honors course, Humanities 9 (H) will prepare students to take AP English courses in 11th and 12th grades by requiring a deeper probing of texts, as well as more analytical and in-depth tests and writing assignments. In addition, students in this course should: be task-oriented and able to set priorities; read ALL assignments, as well as suggested books; have a strong and growing base of literary and grammatical conventions; and expect longer reading assignments. **Students who successfully complete this course will receive three additional points added to their semester averages.**

Humanities 10: Western Civilization 2

Grade: 10

Two Semester Course

Credit: 2.0

This year's study continues a two-year course which leads students through the history and literature of mankind in an interdisciplinary fashion. Sophomore studies focus on the Renaissance through to the present. Because of the formative role played by Christianity during the early part of this era (also known as Christendom), our studies will include interaction with the New Testament and early Church writings. The discussion of cultural changes, as well as tracing the great people, events, and ideas, during Christendom, the Renaissance, the Reformation, the Enlightenment and the Modern Era will aid students in understanding the world of today. Readings for the course include not only works of fiction, but also poetry, historical and critical essays, apolitical documents, and philosophical writings. Key works read include *Beowulf*, *Henry V* or *Othello*, *Paradise Lost*, and *1984*.

Humanities 10: Honors Western Civilization 2/AP European History

Grade: 10

Two Semester Course

Credit: 2.0

Recommendation: PSAT Reading content score of 26 or above

This year's study continues a two-year course which leads students through the history and significant literature of mankind in an interdisciplinary fashion. Sophomore studies focus on the Renaissance through to the present. Because of the formative role played by Christianity during the early part of this era (also known as Christendom), our studies will include interaction with New Testament and early Church writings. The discussion of cultural changes, as well as tracing the great people, events, and ideas, during Christendom, the Renaissance, the Reformation, the Enlightenment and the Modern Era will aid students in understanding the world of today. Readings for the course include not only works of fiction, but also poetry, historical and critical essays, political documents, and philosophical writings. Key works read include *Beowulf*, *The Inferno*, *Othello*, *Paradise Lost*, *The Picture of Dorian Gray*, and *1984*.

As an AP course, Humanities 10 (AP) will prepare students to take AP English courses in 11th and 12th grades by requiring deeper probing of texts (often more difficult than Humanities 10), as well as more analytical and in-depth tests and writing assignments. In addition, students in this course should: be task-oriented and able to set priorities; read ALL assignments, as well as suggested books; have a strong and growing base of literary and grammatical conventions; and expect longer reading assignments. **Students who successfully complete this course will receive eight additional points added to their semester averages.**

Humanities 11: United States History and Literature

Grade: 11

Two Semester Course

Credit: 2.0

Humanities 11 is a multi-faceted course that offers the student an opportunity to improve critical reading and writing skills. There is considerable emphasis on the college-style essay focusing on critical reading and analysis. Eleventh-grade studies in the humanities span from the early colonization of America to recent American history. Students will trace the people, events, and ideas that have shaped America, and they will explore how America has played a part in the history of the world. Readings for the course include not only works of fiction, but also poetry, historical and critical essays, political documents, and philosophical writings. Examples of the works read in the class include *Fahrenheit 451*, *The Scarlett Letter*, *The Adventures of Huckleberry Finn*, and *The Great Gatsby*.

Humanities 11: AP English Language/Composition and AP United States History

Grade: 11

Two Semester Course

Credit: 2.0

Recommendation: Teacher Recommendation, 85 or higher in Humanities 11, PSAT Reading content score of 28 or above

Humanities 11 (AP) is a multi-faceted course, offering the student an opportunity to become proficient in the areas of critical reading, critical analysis, rhetorical analysis, and historical analysis. There is emphasis on the college-style essay focusing on critical reading and analysis. Eleventh-grade studies in the humanities span from the early colonization of America to recent American history. Students will trace the people, events, and ideas that have shaped America, and they will explore how America has played a part in the history of the world. Readings for the course include not only works of fiction, but also poetry, historical and critical essays, political documents, and philosophical writings. Examples of the works read in the class include *Mayflower*, *Fahrenheit 451*, *The Scarlett Letter*, *The Adventures of Huckleberry Finn*, and *The Great Gatsby*.

Higher academic expectations in this course should prepare the students for the AP English Language and Composition exam as well as the AP US History exam. Students are expected to exhibit a high degree of self-motivation and self-discipline in order to meet the demands of such a curriculum. **Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.**

English 12: Composition and Literary Genres (DC)

Grade: 12

Two Semester Course

Credit: 1.0

English 12 is a genre study through the reading of great works of literature, both ancient and contemporary. Exemplars of the epic, lyric, tragic, and comic genres present the noble struggle to found and maintain a community, the splendor and diversity of love, the possible insight gained through suffering, and the hope that sustains a broken world. Through careful reading and analytical writing, seminar discussion, and research, students will develop their skills in critical reading and writing in preparation for college. More importantly, students will gain a greater appreciation for and insight into what it means to be human. English 12 is a college prep course. With that in mind, it is geared toward preparing students to read, think, discuss, and write at a college level. The workload and expectation is greater than at a typical school, though it is not at the level of AP English 12. Examples of the works read in the class include *The Things They Carried*, *The Old Man and the Sea*, *Oedipus Tyrannus*, and *Hamlet*.

Students taking this course for dual credit must meet the college's guidelines. Students who successfully complete the dual credit portion of this course will receive three additional points added to their semester averages.

English 12: AP Literature and Composition

Grade: 12

Two Semester Course

Credit: 1.0

Recommendation: Teacher Recommendation, 85 or higher in Humanities 11, PSAT Reading content score of 28 or above

AP English 12 is a genre study through the reading of great works of literature, both ancient and contemporary. Exemplars of the epic, lyric, tragic, and comic genres present the noble struggle to found and maintain a community, the splendor and diversity of love, the possible insight gained through suffering, and the hope that sustains a broken world. Through careful reading and analytical writing, seminar discussion, and research, students will develop their skills in critical reading and writing in preparation for college. More importantly, students will gain a greater appreciation for and insight into what it means to be human. Examples of the works read in the class include *The Things They Carried*, *The Unvanquished*, *Oedipus Tyrannus*, *Hamlet*, *The Sun Also Rises*, and *How to Read Literature Like a Professor*.

AP English 12 and English 12 are similar courses in terms of literary content. However, the AP course requires more readings and is much more rigorous. The students in this course are expected to read, think, discuss, and write at a college level. They will be assessed by a higher standard than will students in English 12. **Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.**

Macroeconomics

Grade: 12

One Semester Course

Credit: 0.5

Macroeconomics is a branch of economics that focuses on the functions of a free market economy, supply and demand, the global economy, money and banking, monetary and fiscal policy and more. Macroeconomics is a college prep course. With that in mind, it is geared toward preparing students to read, think, discuss, and write at a college level. The workload and expectation is greater than at a typical school, though it is not at the level of AP Macroeconomics. **Students taking this course for dual credit must meet the college's guidelines. Students who successfully complete the dual credit portion of this course will receive three additional points added to their semester averages.**

United States Government (DC)

Grade: 12

One Semester Course

Credit: 0.5

The government course includes a brief review of colonial American history with emphasis on the United States Constitution, detailed analysis of the Bill of Rights, study of each branch of government and its function, political parties and campaigns, and current issues from a Christian perspective. The students in this course are expected to read, think, discuss, and write at a college level. **Students taking this course for dual credit must meet the college's guidelines. Students who successfully complete the dual credit portion of this course will receive three additional points added to their semester averages.**

United States History (DC)

Grade: 12

Two Semester Course

Credit: 1.0

This course is intended to provide the student with an overview of American history and a deeper understanding of and appreciation for significant events in our history. Some independent study with classroom discussion will be required as well as a major project each semester. ***Students taking this course for dual credit must meet the college's guidelines. Students who successfully complete the dual credit portion of this course will receive three additional points added to their semester averages.***

MATHEMATICS

Mathematics is more than the study of numbers, patterns and shapes. Collectively, it is a language which God uses to describe the physical universe to mankind. It is a creative, dynamic system which man can use to model and understand his environment. It reveals glimpses of the nature of God (His orderliness, trustworthiness, omniscience and omnipotence), while developing important character qualities such as patience, perseverance, resourcefulness, alertness and creativity.

Through its study, students cultivate problem-solving skills, analytical thinking, attention to details and logic. It encourages the development of sound reasoning techniques and rewards consistent work habits. The Brook Hill School's mathematics program is designed to stimulate a student's intellectual curiosity and give him/her an exposure to the technology of today's mathematics.

**HE DETERMINES
THE NUMBER OF
THE STARS AND
CALLS THEM EACH
BY NAME.
PSALM 147:4**

Algebra 1

Grade: 9

Two Semester Course

Credit: 1.0

Algebra 1 is an important subject because it is the foundation for all upper-level mathematics at both high school and college levels. It is our goal to help the students acquire the skills that they will need to be successful in these courses and to become excellent problem solvers. The curriculum will include the study of integers and rational numbers, equations, inequalities, graphs and linear equations, systems of equations, absolute value, exponents and polynomials, polynomials and factoring, the Pythagorean Theorem and radicals, relations and functions, and quadratic equations.

Geometry

Grade(s): 9, 10

Two Semester Course

Credit: 1.0

Prerequisite: Algebra 1

This course develops a Euclidean system of Geometry through the use of postulates, definitions and theorems. A study of Geometry will enhance the student's ability to solve problems creatively, reason deductively and logically, and visualize spatial relationships. Topics covered include (but are not limited to) inductive and deductive reasoning, points, lines, planes, angles and angle relationships, deduction and formal proof, parallel lines and planes, triangles, parallelograms and quadrilaterals, similar polygons, circles, area and volume of solids, constructions and coordinate geometry. Right triangle trigonometry will be introduced. They will also be introduced to transformational and analytical geometry. There is an emphasis on formal proof throughout the first semester. Projects may be required.

Geometry Honors

Grade(s): 9, 10

Two Semester Course

Credit: 1.0

Prerequisite: Algebra 1

Recommendation: PSAT Math content score of 25 or higher, Algebra score of at least 85.

This course develops a Euclidean system of Geometry through the use of postulates, definitions and theorems. A study of Geometry will enhance the student's ability to solve problems creatively, reason deductively and logically, and visualize spatial relationships. Topics covered include (but are not limited to) inductive and deductive reasoning, points, lines, planes, angles and angle relationships, deduction and formal proof, parallel lines and planes, triangles, parallelograms and quadrilaterals, similar polygons, circles, area and volume of solids, constructions and coordinate geometry. Right triangle trigonometry will be introduced. They will also be introduced to transformational and analytical geometry. There is an emphasis on formal proof throughout the first semester. Projects may be required.

Students who successfully complete this course will receive three additional points added to their semester averages.

Algebra 2

Grade(s): 10, 11

Two Semester Course

Credit: 1.0

Prerequisite: Algebra 1

Included with a brief review of Algebra 1 skills will be an introduction of the concepts of functions, elementary analysis, and quadratic equations. Related concepts of domain, range, set notation, interval notation, and inverse functions will be mastered. Students will be expected to become proficient in recognizing, knowing (and sometimes proving) the various analytical and graphical properties of various function families. Mathematical families include linear, quadratic, exponential, rational, irrational, and higher degree polynomial functions, along with conic sections. Wherever possible, applications will be stressed. Trigonometric concepts from Geometry will be reviewed. Heavy use of symbolic manipulations and transformations will be encouraged as a support to the future physics student.

Algebra 2 Honors

Grade(s): 10, 11

Two Semester Course

Credit: 1.0

Prerequisite: Algebra 1

Recommendation: PSAT Math content score of 26 or higher, Geometry score of at least 85

Included with a brief review of Algebra 1 skills will be an introduction of the concepts of functions, elementary analysis, and quadratic equations. Related concepts of domain, range, set notation, interval notation, and inverse functions will be mastered. Students will be expected to become proficient in recognizing, knowing (and sometimes proving) the various analytical and graphical properties of various function families. Mathematical families include linear, quadratic, exponential, rational, irrational, and higher degree polynomial functions, along with conic sections. Wherever possible, applications will be stressed. Additional topics will include complex number theory, sequences and series, (and probability if time permits). Trigonometric concepts from Geometry will be reviewed, and students will finish out their study of trigonometry with developing and proving identities, and solving trigonometric equations. Heavy use of symbolic manipulations and transformations will be encouraged as a support to the future physics student. **Students who successfully complete this course will receive three additional points added to their semester averages.**

Business Math / Statistics (DC)

Grade(s): 11, 12

Two Semester Course

Credit: 1.0

Prerequisite: Algebra 2, must pass the TSI or be exempt

Business Math includes the study of linear, quadratic, exponential and logarithmic functions; matrices; topics in finance including interest rates, annuities, loans and amortization; and an introduction into probability and statistics. Statistics is an introductory course which focuses on the collection, tabulation, and analysis of data, normal and binomial distributions, linear regression and correlation, testing of hypothesis and utilization of computers in statistical application. **Students taking this course for dual credit must meet the college's guidelines. Students who successfully complete this course will receive three additional points added to their semester averages.**

Algebra 3

Grade(s): 11, 12

Two Semester Course

Credit: 1.0

Prerequisite: Algebra 2

Algebra 3 includes the study of quadratics; polynomial, rational, logarithmic, and exponential functions; systems of equations; progressions; sequences and series; and matrices and determinants. The course is taught for the full year.

College Algebra / College Trigonometry (DC)

Grade(s): 11, 12

Two Semester Course

Credit: 1.0

Prerequisites: Algebra 2, must pass the TSI or be exempt

Recommendation: PSAT Math content score of 26 or higher, Algebra 2 score of at least 85

College Algebra is offered at an advanced pace during the fall semester and includes the study of quadratics; polynomial, rational, logarithmic, and exponential functions; systems of equations; progressions; and matrices and determinants. College Trigonometry is offered in the spring semester and focuses primarily on trigonometric identities, analytic geometry and analytic trigonometry, as well as rational, logarithmic, and exponential functions. **Students taking this course for dual credit must meet the college's guidelines. Students who successfully complete this course will receive three additional points added to their semester averages.**

AP Precalculus

Grade(s): 11, 12

Two Semester Course

Credit: 1.0

Prerequisite(s): Algebra 2

Recommendation: PSAT Math content score of 28 or higher, Algebra 2 score of at least 90

AP Precalculus is offered at an advanced pace and includes the study of quadratics; polynomial, rational, logarithmic, and exponential functions; systems of equations; conic sections; sequences and series; and matrices and determinants; trigonometric identities, analytic geometry and analytic trigonometry, graphing trigonometric functions and identities; as well as an introduction to polar, parametric, vector functions and limits. **Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.**

AP Calculus AB (DC)

Grade(s): 11, 12

Two Semester Course

Credit: 1.0

Prerequisite(s): College Algebra / College Trigonometry; AP Precalculus

Recommendation: PSAT Math content score of 28 or higher, College Algebra/Trigonometry or AP Precalculus score of at least 85

Topics include those presented in traditional first and second semester college courses. An intuitive introduction to the methods of calculus is followed by several problem-solving applications. The content includes (but is not limited to) topics covered on the Advanced Placement (Calculus AB) Examination. Whenever possible, real-life applications are stressed.

Graphing calculators will be used as an aid to computation and analysis. Personal computers may be used to demonstrate limits and numerical methods for evaluation, derivatives, and definite integrals. At the beginning of the year students are encouraged to start their preparation for the Advanced Placement exam. Enrollment is based on teacher approval. ***Students taking this course for dual credit must meet the college's guidelines. Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.***

AP Calculus BC

Grade:12

Two Semester Course

Credit: 1.0

Prerequisite: AP Calculus AB

Recommendation: PSAT Math content score of 28.5 or higher, AP Calculus AB score of at least 85 or AP Precalculus score of at least 90.

Topics include those presented in traditional second and third-semester college courses. Several problem-solving applications follow an intuitive introduction to the methods of calculus. The content includes (but is not limited to) topics covered on the Advanced Placement (Calculus BC) Examination. Whenever possible, real-life applications are stressed. Graphing calculators will be used as an aid to computation and analysis. Personal computers may be used to demonstrate limits and numerical methods for evaluation, derivatives and definite integrals. At the beginning of the year students are encouraged to start their preparation for the Advanced Placement exam. Enrollment is based on teacher approval.

PHYSICAL EDUCATION

This course is set up to focus on the development of physical performance. Students will enhance their knowledge and physical skills to improve functional strength, power, linear/lateral speed, agility, and quickness. With a strong emphasis on work ethic, safety, balance, and cooperation, students will use free weights, Olympic lifts, plyometrics, agility drills, and stabilization training to produce positive outcomes in dynamic physical tests. Individualized training plans will help the athlete achieve positive outcomes in the weight room and the field of play.

In II Corinthians 6:16, Paul writes that we are the “temple of the Living God.” It is the responsibility of all people to cherish and maintain their temple. The study of physical education clarifies the needs of our physical bodies and how we can best develop, understand, and care for this physical vessel which is God’s temple.

Physical Education / Athletics

The Physical Education department offers both team sports and individual activities. The objective is to equip students with a number of skills they can carry over into a lifetime of fitness. PE Credit may also be earned through team management.

US Athletics:

Fall

- Football
- Volleyball
- Cross Country
- Cheerleading
- Drill Team
- Golf Tennis

Winter

- Basketball
- Soccer
- Cheerleading

Spring

- Baseball
- Softball
- Golf
- Track
- Tennis
- Cheerleading

*Athletic Trainer/Manager for any sport

Students will participate in the *Athletic Performance and Development class during the off season.*

SCIENCE

Science is the study of the natural world and the things that affect it. Our department stresses critical thinking, logical reasoning, and problem-solving. The science labs are designed to help the student develop a firm foundation in observation, analysis, and conclusions. We strive to prepare our students for success in rigorous college science programs. All science faculty adhere to and instruct in congruence with a biblical world view. Science illuminates the creative majesty of God. As one studies science, he becomes more aware of the magnificence of the creation and the Creator.

**IN THE BEGINNING
GOD CREATED
THE HEAVENS
AND THE EARTH.
GENESIS 1:1**

Biology

Grade: 9

Two Semester Course

Credit: 1.0

Through a combination of laboratory experiments and activities, class discussions and field explorations, this course will give the student an in-depth look at the biological world that surrounds them. Students in this course will study cell biology, genetics, ecology, and taxonomy giving them a foundation for other biological sciences. Lab and field work will help students develop techniques in subsequent science courses.

Biology Honors

Grade: 9

Two Semester Course

Credit: 1.0

Prerequisite: Algebra 1

Recommendation: PSAT Reading content score of 26 or higher, Math content score of 25 or higher

Through a combination of laboratory experiments and activities, class discussions and field explorations, this course will give the student an in-depth look at the biological world that surrounds them. Students in this course will study cell biology, genetics, cell energetics, and human systems giving them a foundation for other advanced biological sciences. Lab and field work will help students develop techniques in subsequent science courses.

Students who successfully complete this course will receive three additional points added to their semester averages.

Chemistry

Grade: 10

Two Semester Course

Credit: 1.0

Prerequisite: Algebra 1

This course covers the basic chemistry concepts and vocabulary as well as general thinking skills and laboratory techniques that will provide the students with a solid foundation and prepare them for college science courses. The approach, involves primarily an exploration of the mathematical relationships involved in chemical change. Laboratory work is stressed, and focuses on careful analysis of data and the resulting mathematical relationships.

Chemistry Honors

Grade: 10

Two Semester Course

Credit: 1.0

Prerequisite: Geometry

Recommendation: PSAT Reading content score of 26 or higher, PSAT Math content score of 25 or higher

This course covers the basic chemistry concepts and vocabulary as well as general thinking skills and laboratory techniques that will provide the students with a solid foundation and prepare them for college science courses. The approach, involves primarily an exploration of the mathematical relationships involved in chemical change. Laboratory work is stressed, and focuses on careful analysis of data and the resulting mathematical relationships. It also provides "hands-on" experience with chemistry and shows how chemistry concepts apply to today's society. ***Students who successfully complete this course will receive three additional points added to their semester averages.***

Environmental Science

Grade(s): 11, 12

Two Semester Course

Credit: 1.0

Prerequisites: Biology, Chemistry

The purpose of this course is to explore ecological principles, biotic interrelationships in aquatic and terrestrial communities and environmental issues that have national and global effects. The goals of the course are to investigate environmental concepts, organize the information, and provide a framework to facilitate student comprehension of ecological principles.

Physics

Grade(s): 11, 12

Two Semester Course

Credit: 1.0

Prerequisites: Biology, Chemistry

Physics provides the students with an introduction to the study of physics. This course explores physics primarily from a conceptual basis but includes some mathematical applications. Topics of study include kinematics, dynamics, simple machines, work, heat, electricity, magnetism, light, optics, and modern physics. Laboratory experiments are an integral part of this course. A calculator is required.

AP Chemistry

Grade(s): 11, 12

Two Semester Course

Credit: 1.0

Prerequisites: Biology, Chemistry (Honors Chemistry preferred)

Recommendation: PSAT Reading and Math content score of 28 or higher

This second year Chemistry course is designed for the college-bound student who intends to study an engineering related field and not related to the medical sciences. College level labs, suggested by the College Board, are presented on a weekly basis. The pace and depth of the course is designed to prepare the student for College Board Advanced Placement testing in the spring. **Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.**

AP Environmental Science

Grade(s): 11, 12

Two Semester Course

Credit: 1.0

Prerequisites: Biology, Chemistry

Recommendation: PSAT Reading content score of 28 or higher

The purpose of this course is to explore ecological principles, biotic interrelationships in aquatic and terrestrial communities and environmental issues that have national and global effects. The goals of the course are to organize the information and provide a conceptual framework to facilitate student comprehension and mastery of ecological principles. **Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.**

AP Physics 1

Grade(s): 11, 12

Two Semester Course

Credit: 1.0

Prerequisites: Biology, Chemistry, Algebra 2

Recommendation: PSAT Reading & Math content score of 28 or higher

The Physics 1 (AP) course is an introductory college-level course that explores a broad range of principles including kinematics, forces, circular motion, gravitation, energy, momentum, simple harmonic motion, rotational motion, and fluids. Special emphasis is placed on scientific thinking and communication, in addition to problem solving skills. Students receive experience in a laboratory setting closely analogous to a university laboratory and are challenged to design and execute experiments to verify the concepts learned in class. The pace and depth of the course is designed to prepare the student for College Board Advanced Placement testing in the spring. **Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.**

AP Physics C

Grade(s): 11, 12

Two Semester Course

Credit: 1.0

Prerequisites: AP Physics 1; Concurrent enrollment in AP Calculus AB

Recommendation: PSAT Reading content score of 28 or higher, Math content score of 30 or higher

AP Physics C is a calculus-based introductory college-level physics course. Students will explore a broad range of physics principles including kinematics, forces, energy, momentum, rotational dynamics, oscillations, electric charges, electric fields, Gauss's Law, electric potential, conductors and capacitors, electric circuits, magnetic fields and electromagnetism, and electromagnetic induction. Special emphasis is placed on developing robust problem solving skills. Students receive experience in a laboratory setting closely analogous to a university laboratory and are challenged to design and execute experiments to verify the concepts learned in class. The pace and depth of the course is designed to prepare the student for College Board Advanced Placement testing in the spring, including the AP Physics C - Mechanics Exam as well as the AP Physics C - Electricity and Magnetism Exam. **Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.**

Anatomy & Physiology (H)

Grade(s): 11, 12

Two Semester Course

Credit: 1.0

Prerequisites: Biology, Chemistry

This course surveys human anatomy and physiology. The purpose of the course is to provide an understanding of body structure and function in order to predict the responses of the body in health and disease. The goals of the course are to organize the information and provide a conceptual framework to facilitate student comprehension and mastery of anatomical structured physiological function. This course is a foundation course for specialization in allied health disciplines. **Students who successfully complete this course will receive three additional points added to their semester averages. Offered on a rotating schedule in even school years.**

Advanced Biology (DC)

Grade(s): 11, 12

Two Semester Course

Credit: 1.0

Prerequisites: Biology, Chemistry, Algebra 2

Recommendation: PSAT Reading content score of 28 or higher

Fundamental principles of living organisms will be studied, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Concepts of cytology, reproduction, genetics, and scientific reasoning are included. ***Students taking this course for dual credit must meet the college's guidelines. Students who successfully complete this course will receive three additional points added to their semester averages. Offered on a rotating schedule in odd school years.***

ELECTIVES

Computer Science 1

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

In Computer Science I, students will explore the basic and intermediate systems for how computers process information. Computer programming will be covered a sampling of different languages and environments: Jeroo, Java, Python, HTML/CSS, and JavaScript. While Computer Science 1 will explore a variety of languages, it will lean harder and more specifically into JavaScript. Using the ProcessingJS library students will experiment with the visual nature of computer programming, and problem solving all while learning the foundational structures of Computer Science. The skills and knowledge covered in this class will directly prepare students for Computer Science II: Advanced Java as well as be easily transferable as students learn other computational languages in their future.

AP Computer Science A

Grade(s): 10, 11, 12

Two Semester Course

Credit: 1.0

Prerequisite: Computer Science 1

Java is one of the most commonly used programming languages in the world, and this course will take a deep dive into the skills, functions, and strategies to get the most out of computer programming. Content and curriculum for this course will prepare students to confidently build their own programs and solve the problems of the future. While this course will specialize in the Java language, the skills gained in this class will make learning new programming languages easy. Programming experience is strongly encouraged. **Students who successfully complete this course and take the AP exam will receive eight additional points added to their semester averages.**

ESL

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

ESL (English as a Second Language) is a language course designed to help students whose English speaking, writing, and reading comprehension skills could benefit from further growth. The goal of the course is the development of students' English skills through speaking, listening, writing, and reading, in order that they may successfully transition into Brook Hill's college prep courses. The curriculum focuses on grammar, journal writing, and introductory essay writing. Assignments will progressively become more difficult as the year advances.

Philosophy: Ancient

Grade(s): 10, 11, 12

Two Semester Course

Credit: 1.0

By careful reading, the student will obtain a command of Plato's theory of being, theory of knowledge, and his ethical theory as expressed in *The Republic* and will develop an understanding of Aristotle's philosophy as expressed in the *Nicomachean Ethics*. By carefully engaging these texts, the student will become familiar with the methods of philosophy as well as its central questions with the goal of recognizing the importance of Plato and Aristotle as

cornerstones of the western intellectual tradition. This course is offered on a three-year rotation in conjunction with the other philosophy courses.

Philosophy: Contemporary

Grade(s): 10, 11, 12

Two Semester Course

Credit: 1.0

A survey of contemporary philosophy and philosophers. In addition to a general survey of the contemporary philosophical landscape, students learn the place and development of theism in contemporary analytic philosophy. Focus will be given to learning how contemporary developments in analytic philosophy have been applied with increasing sophistication to issues in natural theology and philosophy of religion. Emphasis will be placed on evaluating arguments while simultaneously learning how to give a charitable and close reading to the texts. This course is offered on a three-year rotation in conjunction with the other philosophy courses.

Philosophy: Medieval & Modern

Grade(s): 10, 11, 12

Two Semester Course

Credit: 1.0

A survey of medieval, modern and contemporary philosophers, including but not limited to Boethius, Anselm, Aquinas, Descartes, Berkeley, and Hume. In this course, students learn the importance of theism in the history of western thought, understand how a belief in God fits together with various philosophical positions, and become familiar with various philosophical issues - including the concept of divine simplicity, the conflict between empiricism and rationalism, and the conflict between realism and idealism. Emphasis will be placed on evaluating arguments while simultaneously learning to give a charitable and close reading to the texts. This course is offered on a three-year rotation in conjunction with the other philosophy courses.

Practical Politics

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

This elective course will examine current issues from a traditional Christian perspective and, where applicable, the American Founder's original intent. Such issues could include 1st Amendment rights (freedom of religion, speech, and assembly), 2nd Amendment rights, abortion, capitalism, socialism, criminal justice, and various social issues. Students will explore these issues from the above perspectives, understand what they believe, and be able to articulate and defend their positions. Our desire is for students to become societal influencers in order to make a difference in our nation and world, rather than mere bystanders. We would also explore ways to become involved in politics and what it takes to organize a political campaign. The goal would be to encourage students to participate in politics at some level: from working in a campaign, to becoming a staff member of an elected official, or even becoming a candidate for public office themselves.

Robotics

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

This course is designed to develop science, technology, engineering, and math skills through design thinking and student-centered inquiry. Students will participate in a competition designed and administered by the FIRST (For Inspiration and Recognition of Science and Technology) organization. Students will learn basic robot design, construction, and programming.

Woodworking & Fabrication

Grade(s): 9, 10, 11, 12

Two Semester Course

Credit: 1.0

Woodworking is a course designed to introduce students to general woodworking practices. Students will expand their knowledge and experience through various projects, lessons, and vocabulary. Students will be expected to learn about and safely use hand tools, power tools, and woodworking machinery. Fabrication allows for more flexibility and creativity as students will complete assigned projects intended to introduce a variety of tools, technologies, and materials while fostering confidence in their unique gifts, talents, and abilities. Topics of study will include 3D printing, laser cutting, laser engraving and more.

The following SPARC courses receive high school credit and will count towards elective credits needed for graduation.

SPARC Forensic Science

Grade(s): 9, 10, 11, 12

Credit 0.5

Forensic Science covers a wide range of topics and practices of science as they apply to civil and criminal law enforcement and the criminal

justice system. In this course students will use concepts from anatomy, chemistry, physical sciences and biology, as they apply to processing a crime scene and interpreting evidence.

During this SPARC intensive, students will learn how to secure a crime scene, handle crime scene evidence correctly as to maintain the chain of evidence and use this evidence to create a crime board. Additionally, they will collect and process fingerprint and blood evidence. Student will also have gain experience in collecting and processing hair and fiber evidence as well as stabilizing and retrieving impression evidence such as shoe and footprints. At the end of the course students will apply deductive reasoning to determine who perpetrated the crime from "Murder at Old Fields" a historic double homicide.

SPARC God Debates

Grade(s): 9, 10, 11, 12

Credit 0.5

The God Debates SPARC course provides students with the opportunity to view formal debates between notable academic theists and skeptics on various topics pertaining to theism (generally) and Christianity (in particular). Debate topics may include the question of God's existence, the question of human nature, the question of Jesus' resurrection, the question of the reliability of the Gospels, and other related topics. Students will have the opportunity to analyze the debates after viewing them.