BEN LIPPEN
SCHOOL

HIGH SCHOOL ACADEMIC HANDBOOK

2024-2025

GRADUATION REQUIREMENTS

	GENERAL	HONORS
BIBLE	4	4
ENGLISH	4	4
MATHEMATICS	4	4
LAB SCIENCE	3	4
SOCIAL SCIENCE	4	4
FOREIGN LANGUAGE	2	3
FINE ARTS	2	2
TECHNOLOGY	1	1
PHYSICAL EDUCATION*	1	1
ELECTIVES	1-3	1-3
PUBLIC SPEAKING	0.5	0.5
PERSONAL FINANCE	0.5	0.5
Minimum Total Credits	26	28

1. Students must enroll in at least one Bible, mathematics, and English course each semester they attend Ben Lippen. Seniors who have earned a full credit of English or Math in the first semester of the school year are not required to be enrolled in a 2nd semester English or Math.

2. Students in grades 9-11 must register for 8 courses per semester. Seniors must register for a minimum of 6 courses per semester.

3. Students must earn 0.5 credits of Bible for each semester they attend BL to graduate. No matter how many Bible credits a student earns, the minimum credits required for graduation is 26.

4. Students are required to earn at least two Fine Arts credits and one Technology credit among their electives for graduation.

5. Students must meet South Carolina computer proficiency requirements before graduation.

6. 30 hours of community service must be completed during the senior year. This is a requirement for graduation.

7. Seniors must complete a Bible capstone project.

8. *Health has been removed as a graduation requirement.

Additional Requirements for Diploma with Honors Distinction class of 2025 and 2026:

A. Students must earn at least a 4.50 cumulative, final SCUGP GPA.
B. Students must earn at least 12 credits classified as Honors, Advanced Placement, or Dual Credit.
C. Students must earn at least 9 credits in Math and English combined, with at least 4 in each discipline.
D. Students must earn at least 28 total credits.

Additional Requirements for Diploma with Honors Distinction class of 2027 and onward:

A. Students must earn at least a 4.50 cumulative, final SCUGP GPA.
B. Students must earn at least 15 credits classified as Honors, Advanced Placement, or Dual Credit.
C. Students must take a minimum of two Advanced Placement Course.

Additional Requirements for Innovative Scholar Distinction:

A. Students must take Public Speaking plus two track-specific courses in Business, Robotics, Programming, Engineering, or Digital Media.
B. Students must complete an internship before graduation of their senior year.

GRADUATION REQUIREMENTS

If you are considering registering for an AP course at Ben Lippen School:

Advanced Placement (AP) AP courses are college-level courses that students can take while still in high school.

AP Exams are two-three hour exams given in May, made up of multiple-choice and free-response (essay) questions. They are scored on a scale of 1 to 5, with a 3 considered as a qualifying score for college credit by most colleges. Most AP classes are comparable to first-year college courses where students have the opportunity to study a subject in-depth at the college level. All students taking an AP course are required to take the respective AP exam in the spring.

Student expectations for an AP course:

- Exemplary work habits and time management skills.
- A genuine desire to learn.
- Personal responsibility for attendance and work requirements.
- Self-discipline and the determination to succeed.
- Completion of summer reading requirements where required.
- Competence in and a willingness to improve communication skills, especially writing.
- AP students are required to take end-of-course AP exam(s) in May.
- A fee for each exam will appear on your FACTS Statement.

Dual-Enrollment (DE) Courses:
The Dual-Enrollment Program allows qualified students to earn college credit for select courses. Many colleges and universities accept dual-enrollment credits toward the requirements of a bachelor's degree, potentially reducing college costs. Many colleges view the completion of these rigorous classes favorably. BLS offers a dual-enrollment program with Columbia International University (CIU). The university issues the college level credits. In order to enroll there is a requirement of 3.0 cumulative unweighted GPA and college counselor approval. A Dual Enrollment class cannot overlap with a Ben Lippen course.

Dual-Enrollment Courses 2024-2025

Exam Exemption Criteria
Any student in grades 9-12 may be exempt from exams with a 90% average or better in the class.This only applies for CP and Honors Classes.

	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
BIBLE	• Progress of Redemption • The Life of Christ	• Two Biblical Seminars	• Two Biblical Seminars	• One Biblical Seminar • Capstone (World View)
ELECTIVES	Applied Leadership (Prefects only) • Aviation • CNA • Health Science • Internship • Public Speaking • Merging Media • Teacher Aide (uncredited)			
ENGLISH	• English Fundamentals (CP) • World Literature (H)	• Two English Seminars (CP, H) • AP Seminar	• Two English Seminars (CP, H) • AP Language	• Two English Seminars (CP, H) • AP Language • AP Literature
FINE ARTS	2-D Art & Design • AP 2-D Art & Design • 3-D Art & Design • AP 3-D Art & Design Band • Band (H) • Bluegrass Band (H) • Choir • Choir (H) • Drawing • Guitar 1 • Guitar 2 • Guitar 3 (H) • Guitar 4 (H) • Orchestra • Photography • Theater • Worship Arts • Yearbook			
LAB SCIENCE	• Biology (CP, H)	• Chemistry (CP, H) • Earth Science (CP)* • Environmental Science (CP)* • Marine Biology (CP)*	• Chemistry (CP, H) • Earth Science (CP)* • Environmental (CP)* • Marine Biology (CP)* • Anatomy & Physiology (H) • Genetics (H) • Forensics (H) • AP Physics 1 • AP Biology • AP Chemistry	• Chemistry (CP, H) • Earth Science (CP)* • Environmental (CP)* • Marine Biology (CP)* • Anatomy & Physiology (H) • Genetics (H) • Forensics (H) • AP Physics 1 • AP Biology • AP Chemistry
MATHEMATICS	• Algebra 1 (CP) • Algebra 2 (H) • Geometry (CP, H)	• Algebra 2 (CP, H) • Geometry (CP, H) • Discrete Math (CP) • Trigonometry (CP) • Pre-Calculus (H)	• Algebra 2 (CP, H) • Discrete Math (CP) • Statistical Reasoning (CP) • Trigonometry (CP) • Pre-Calculus (H) • AP Calculus AB or BC	• Statistical Reasoning (CP) • Discrete Math (CP) • Trigonometry (CP) • Pre-Calculus (H) • AP Statistics • AP Calculus AB or BC
PHYSICAL EDUCATION	PE - Girls Fall • PE - Boys Spring • Weight Training			
SOCIAL SCIENCE	• Human Geography (CP, H) • AP Human Geography	• World History (CP, H) • AP European History • AP Human Geography	• U.S. History (CP, H, AP) • AP Human Geography*	• Government (CP, H, AP) • Economics (CP, H) • AP Human Geography
TECHNOLOGY	Computer Science Principles • Computer Vision and Machine Learning • Engineering Principles • Programming • Robotics Fundamentals • Advanced Robotics			
WORLD LANGUAGES	French 1 • French 2 • French 3 (H) • Spanish 1 • Spanish 2 • Spanish 3 (H)			

*** Courses are offered on alternate years.**

BIBLE

4.0 credits required for graduation

All students must be enrolled in a Bible class each semester that they attend Ben Lippen.

PROGRESS OF REDEMPTION
9th grade
Credits: 0.5
Class For: required for 9th grade students
This course will have students discover the relationships of all the pieces of Scripture. Since the Bible was written as one story, there must be a relationship between the stories that prove its unity. Students will see the progress that redemption made from Genesis all the way through Revelation. In studying these relationships, we will learn of the progress and unity of what God is doing and saying throughout His Word.

THE LIFE OF CHRIST
9th grade
Credits: 0.5
Class For: required for 9th grade students
This course will survey the life and earthly ministry of Jesus the Christ as described in the gospels. In order to gain a full perspective of Christ's life, students will study the life of Christ by reading through a harmony of the gospels. Students will learn what promises Christ fulfills, who Christ is, and His impact on God's plan for saving all humanity.

10th, 11th, and 12th grade Bible Seminars
SEMINAR COURSES (ONE SEMESTER EACH):

Each seminar offers a different biblical focus, but all class offerings maintain strong biblical foundation leading up to the senior 2nd semester "World View Capstone."

GREATER THAN: A STUDY IN HEBREWS
Credits: 0.5
In this course, students will study the New Testament book of Hebrews by section and chapter. Students will discover and reason with the fact of the incomparable superiority and finality of God's work through Jesus Christ as our High Priest in order to conclude and apply to our lives that Jesus is greater than all else!

COMMUNITY AND CONFLICT: A SOCIAL STUDY OF 1 CORINTHIANS
Credits: 0.5
The Corinthian church struggled with existing in a confused, sinful world just as we do today. Students will read through Paul's first letter to the Corinthian church to explore the social dynamics it presents. The study of the social context of this letter will be used to understand the original meaning of each passage. The course will challenge students to apply the biblical principles from 1 Corinthians to present day social issues.

THEOLOGY OF IMAGINATION
Credits: 0.5
This course will explore the intersection of Biblical Truth and human creativity as it seeks to understand the relationship between one's imagination and one's theology. As image bearers of God, humanity is created to subcreate, to find joy in the act of creating, and has the faculty of imagination that points to and is a recognition of an internal longing for something beyond this world. With a Scriptural framework, this course will examine and analyze the various writings of Lewis, Tolkien, MacDonald, and Chesterton while engaging a host of other (more contemporary) voices who have explored and are exploring the "further up and further in."

HISTORY OF THOUGHT
Credits: 0.5
Students will explore the development of Classical Greek philosophy and it's influence on first century Christianity. They will also develop a deeper understanding of Christianity's growth up to the Renaissance. They will understand the development of western philosophical thought from Medieval Europe to the Renaissance to the Enlightenment, to 19th century Naturalism. Various contemporary philosophical 'Isms' will be explored as well.

BIBLICAL PROPHECY
Credits: 0.5
Students will study Old and New Testament Prophetic Literature to discover how fulfilled prophecy proves Divine authorship of the Bible, and assures fulfillment of future prophesy. Various views on the 'End Times' and their theological differences and practical implications will also be explored.

BIBLE

4.0 credits required for graduation

All students must be enrolled in a Bible class each semester that they attend Ben Lippen.

BIBLICAL DOCTRINES
Credits: 0.5
The Bible Doctrine course explores the essentials of the Christian faith and doctrine, taking an accessible approach to systematic theology marked by clarity, strong scriptural emphasis, and thoroughness in scope and detail. The course focuses on the doctrine of Scripture (Bibliology) as a foundation to basic tenants of Christian Faith. Students will learn more about major categories of systematic theology such as the identity of God, the Trinity, each member of the Godhead and the authority of Scripture. This course engages students to deeper understanding of theological and biblical thinking and studies.

ECCLESIOLOGY
Credits: 0.5
The course will provide students with a theological framework for thinking about Christian mission and the church in the contemporary context. This course provides the student with the opportunity to explore the biblical and theological issues involved in the doctrine of the church in a deeper and more extensive way. This course challenges the student to think of the church in biblical terms, measuring its contemporary expressions against biblical concepts Students will gain a critical understanding of the nature of the church and engage questions of church renewal, mission and contextualization.

BIBLICAL ETHICS
Credits: 0.5
This course is designed to accomplish two goals. The first goal is to help students understand and/or formulate a Biblical worldview, and to understand the overall worldview of contemporary Western Culture and how it developed. This understanding will help the student articulate the Christian worldview. The second goal is to understand the overall ethic of contemporary Western Culture and to discuss moral, ethical, and theological issues apologetically. Students will begin to understand and formulate a Biblical ethic and learn how a Biblical ethic is consistent with and a natural outgrowth of a Biblical worldview. Students will be challenged to think critically and with ethical discernment. Students will also be encouraged and challenged to live a "pro-active" Christianity, as those who will make a positive and redemptive impact on their culture.

SPIRITUAL DISCIPLINES
Credits: 0.5
A worker is only as good as their tools. Spiritual disciplines are tools for Christians. This course is a study of the disciplines of the Christian life. Students will learn the importance of spiritual growth and the need to develop regularly practices to regularly overcome our sinful desires which separate us from God. Through reviewing classical and contemporary spiritual disciplines, students will be equipped to evaluate themselves, their current situations and develop spiritual disciplines for victorious Christian living.

12th grade Bible 2nd semester
WORLDVIEW CAPSTONE (Honors)
Credits: 0.5
Class for ALL Seniors 2nd semester
Through this required second-semester course, senior students will bring together all that they have studied in Ben Lippen Bible courses and see how it has shaped their Biblical worldview. The course will equip students to better understand their faith and worldview in relation to competing worldviews. While taking the course, students will be assigned a capstone project in which they will choose a topic of interest that relates to a personal, local, or global concern. Students will then investigate, research, create, and present their capstone project. The goal of the course and capstone project is to enable the students to think more clearly and critically about their faith and worldview and see how they can make a difference out in society. *Presentation of the capstone project is required for completion of this course.

ELECTIVES

1.0 credit required for graduation.

AVIATION (Honors)
Credits: 0.5
Please Note: Cost of $350. All students taking the aviation course are required to take the respective Private Pilot General Knowledge Test at the end of the first semester.
This course prepares students with the fundamentals of aviation topics such as air law, aerodynamics, aircraft engines and systems, aircraft weights and balance, safe airport operations, meteorology, aviation communication, navigation and emergency procedures. By the end of the course, students are prepared to take the written portion of the private pilot written exam. Once the ground instruction is complete, in order to continue into the flight lessons, students will be required to take the FAA medical exam. The flight portion is scheduled privately by the students. Once the student completes the required flight hours and pass the exams, students will have earned their private pilot's license.

HEALTH SCIENCE 1: FOUNDATIONS OF HEALTHCARE PROFESSIONS
Credits: 0.5
Please Note: Elective courses will not count toward lab science credit for graduation.
This introductory course is designed to provide students with an overview of the healthcare careers and foundational skills to begin their journey towards the future as a healthcare professional. This course is double blocked with the intention that students pursuing the Health Science Academy track complete all Health Science Benchmarks and Clinical hours.

HEALTH SCIENCE 2: ADVANCED HEALTHCARE APPLICATIONS
Credits: 0.5
Prerequisite: Successful completion of Health Science 1
Please Note: Elective courses will not count toward lab science credit for graduation.
This course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development. This course is double blocked with the intention that students pursuing the Health Science Academy track complete all Health Science Benchmarks and Clinical hours. Elective courses will not count toward lab science credit for graduation.

CNA (CERTIFIED NURSE ASSISTANT) (Honors)
Credits: 1.0
Prerequisite: Biology. Health Science 1 and Health Science 2.
Please Note: Elective course will not count toward lab science credit for gradution. This program requires a two-semester time commitment. There will be an additional $350 fee associated with this course.
This course provides instruction on the roles and responsibilities of the Nursing Assistant. Body structure and function, infection prevention, nutrition, principles of growth and development, safety in healthcare, home health care, and care of the older person are some of the topics emphasized. Instruction and practice of basic patient care skills required for Nursing Assistants are provided. Skills practiced include patient assistance with activities of daily living, personal care, transfer and positioning, vital sign measurement, intake and output measurement, restorative care, and communication. Students will practice supervised basic patient care in a clinical setting prior to the completion of the program. The student must successfully meet all objectives of the course; pass computerized exams, laboratory skills performance, and clinical experience to be eligible for course completion. There are specific clinical requirements that must be completed prior to beginning the course. At the completion of this certificate, students are eligible to take the South Carolina State certification exam to become Certified Nursing Assistants (CNAs).

MERGING MEDIA
Credits: 1.0
Note: This course does NOT count as a Technology credit.
The Merging Media program at Ben Lippen is designed to unite mass communication with technological innovation. Throughout the year,
students will examine media history and ethics while developing journalistic skills in researching, interviewing, and writing as well as
multimedia skills in photography and video production. Projects will have an extracurricular focus centered on athletics and other school
events throughout the year. This course is a great choice for students who want to help grow the community within Ben Lippen School.

ELECTIVES

PUBLIC SPEAKING
Credits: 0.5
Required for graduation
This semester-long course will focus on students improving their ability to communicate clearly and effectively visually, orally, and in written form. These skills will be developed as they grow through leadership opportunities which capitalize on both their individual and collaborative strengths and skills, which will be discovered at the beginning of the course. The course provides hands-on life skills training throughout to develop skills highly sought after in higher education and the professional world.

TEACHER AIDE
Credits: No credit is given for this course.
A student may request to assist a teacher in a discipline that the student may be interested in studying further in college or university. This can be an academic discipline (e.g. mathematics, history) or education at a particular level (e.g. elementary education). The student and teacher will create a written agreement that must be approved by the appropriate principal's office outlining the student's responsibilities in assisting the teacher before a student can register for this course.

PERSONAL FINANCE
Credits: 0.5
Required for graduation beginning with the graduating class of 2027
Students will explore how financial literacy is imperative in making individual economic decisions regarding spending, careers, and setting short- and long-term financial goals. The tools of decision-making and marginal analysis are essential in evaluating possible financial options. The ability to make wise choices can impact one's standard of living and future earning potential.

INTERNSHIP
Credits: 0.5
Class for: 11th or 12th grade students
Prerequisite: At least 16 years of age, maintaining a 2.0 overall GPA, excellent discipline record, provide transportation to and from the internship.
This program provides students the opportunity to study an occupational program through structured work-based experiences directly related to the student's IGP major. The primary purpose of this internship program is for the student to receive broad instruction in workplace expectations and master identified competencies related to a specific career field. Internships may or may not include financial compensation and must last one or two semesters based on the needs of the placement site. A minimum of **40 hours** is required for course credit for each semester. Students in a year-long class must complete 40 hours each semester. Interested students must adhere to the following:

- Complete the work-based learning application,
- **Secure two letters** of recommendation
- Receive approval from the administrative review panel.

Applications may be obtained from the college counseling office at the time of registration and completed by **April 1st.** Intern placement sites must be secured by **June 15th.**

ENGLISH

4.0 credits required for graduation

All students must be enrolled in an English course each semester. Students in 11th through 12th grades must register for at least one English seminar each semester unless they register for an Advanced Placement or dual credit course.
All English courses include a component of choice reading, which allows students to build sustained reading stamina necessary for school success.

ENGLISH FUNDAMENTALS
Credits: 1.0
Class For: Required for 9th grade students
This foundational English course allows students to master the basic critical reading and writing skills necessary for success in high school English. Students will receive instruction in and work on literary analysis essays as well as the entire spectrum of research writing, including research, annotated bibliography, and research paper. Integrated with writing instruction, students will experience the full smorgasbord of literature, including poetry, short stories, and longer works including *Fahrenheit 451* and *Romeo and Juliet*. In addition, students will be exposed to informational texts that parallel topics being covered, such as current events that shed light on a class novel. Major assignments and assessments include oral presentations, projects, collaborative projects, and Socratic Seminars.

WORLD LITERATURE (Honors)
Credits: 1.0
Class For: Required for 9th grade students
Prerequisite: 85% or above in previous honors level English or 90% or above in the previous CP level English. Standardized testing will be considered.
Honors World Literature is a year-long honors seminar for students who have completed and excelled in English Fundamentals or an English 1 equivalent. This honors course will focus on developing students' reading, vocabulary, writing, and speaking skills through a study of literature from various cultures and eras. Students will explore various genres of literature — poetry, short fiction, drama and memoir — with emphasis on how a variety of cultural values and worldviews shape story. In addition to regular literature-related writing assignments, students will also complete an annotated bibliography and a research paper. Other major assignments and assessments include oral presentations, digital projects, collaborative projects, and Socratic Seminars. (1.0 credit)

SEMINAR OPTIONS (GRADES 10-12):
Each seminar offers a different literature focus, but all class offerings maintain vocabulary building and writing emphases. Additionally, each seminar requires students to complete a research paper in order to receive credit for the course.

ACADEMIC WRITING (CP)
Credits: 0.5
Class For: Available to 10th grade students.
This course will allow students to become confident and proficient in the basic skills necessary for successful academic writing. The three main areas of focus will be mastering all aspects of MLA formatting, becoming proficient in the methodology of writing academic essays, and researching and citing material successfully in order to present the most convincing evidence in order to present your position. In addition, necessary grammar and usage skills will be reviewed throughout the semester.

AMERICAN LITERATURE SURVEY (CP)
Credits: 0.5
Class For: Available to 10th grade students
Although the United States does not have the many centuries of literature that other older civilizations have, we as a country have a unique and varied heritage of published works that reflect our birth, adolescence, and adulthood as a country. This course will allow students to sample the texts that literarily show the development of America since 1776.

SHAKESPEARE (Honors)
Credits: 0.5
Class For: Available to 10th-12th grade students approved for honors work
Benchmarks: 85% or above in previous honors level English OR 90% or above in previous CP level English. Standardized testing will be considered.
This seminar will be all about immersing ourselves in the world and plays of William Shakespeare. Students will dive into the depths of language, character, and story nuance housed within the Bard's famous works — bringing one story, by student choice, to life in various spaces/contexts. Throughout the course students will read a total of four plays, a comedy, a tragedy, and a history, as

ENGLISH (cont'd)

well as one other of the students' choosing. In addition to the study of Shakespeare's works and his influence on contemporary society, students will hone their writing craft through analysis and a touch of research.

THE RHETORIC OF TRUE CRIME (Honors)
Credits: 0.5
Class For: Available to 10th-12th grade students approved for honors work
Benchmarks: 85% or above in previous honors level English OR 90% or above in previous CP level English. Standardized testing will be considered.
In this seminar, students explore the popularity of true crime told in narrative form, specifically because this fascination has caused our culture to consume these stories as fiction instead of the tales of real people's lives that they are. This course will focus on applying rhetorical principles to real cases and presenting our findings through a variety of methods including writing, mock trials, and seminars. In addition to examining classic works such as *In Cold Blood* and newspaper accounts, students will use examples from media. This non-traditional literature class will integrate both contemporary and cold cases with an examination of the justice system. This class will be structured in symposium style, so students will be challenged to adhere to positions that they wouldn't perhaps choose for themselves and apply rhetorical approaches to their findings.

WRITING WITH A PURPOSE (Honors)
Credits: 0.5
Class For: Available to 10th-12th grade students approved for honors work
Benchmarks: 85% or above in previous honors level English OR 90% or above in previous CP level English. Standardized testing will be considered.
Strong writers change the world! This seminar will help students who already possess a basic grasp of good writing skills to move to the next level, but not in the way most would expect. Writers use their skill not only in the classroom for academic purposes, but also in the real world, whether it be in their jobs or simply in the course of daily life as citizens. In short, most real world writing doesn't look like a five-paragraph essay or the traditional research paper. This course will prepare students to write intentionally and effectively in various modes that achieve a variety of purposes. This focus will enable students to develop rich and powerful control of language in their academic writing and beyond.

MODERN WRITINGS OF C.S. LEWIS (Honors)
Credits: 0.5
Class For: Available to 10th-12th grade students approved for honors work
Benchmarks: 85% or above in previous honors level English OR 90% or above in previous CP level English. Standardized testing will be considered.
C.S. Lewis has stoked many imaginations with visions of Prince Caspian and Aslan, but he has left a legacy of many other genres of literature besides his Narnian Chronicles. This course will provoke discussion on a wide variety of Lewis' works including his science fiction trilogy as well as his well-known examinations of the Christian faith. Emphasis in this honors-level course will be on critical analysis of literature and mastery of scholarly writing.

MONSTER AS A METAPHOR (CP)
Credits: 0.5
Class For: Available to 11th-12th grade students
Monster as a Metaphor is a survey of British literature that addresses the questions of the proverbial "monster" in literature. This course seeks to define the term and pinpoint exactly what makes someone or something a monster. The themes of redemption and choice are the major focus of this course.

BRITISH LITERATURE II (CP)
Credits: 0.5
Class For: Available to 11th-12th grade students
British Literature II offers a selection of British literature from the Romantic Era to present day. The history of England, the contextual importance of social views, and artistic movements will be highlighted alongside the selected works. Students will be expected to examine these texts as works from fallen souls and endeavor to find redemption as Christ offers it in them.

AMERICAN REALISM (CP)
Credits: 0.5
Class For: Available to grades 11-12 students.
The effects of the Civil War had a lingering emphasis on all parts of American life. The literature that followed this war broke with past romantic styles and incorporated elements of naturalism, local color and realism. This seminar traces the rise of American realism in literature as America moved West, beginning with the slavery narratives. It shows the influences of the wide open spaces and free land, immigration and the Gold Rush, paralleling the move Westward. As these various literary samples are explored, students will have the opportunity to critically

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analyze them as well as respond to the literature through reflective and research writing.

AMERICAN GOTHIC (CP)
Credits: 0.5
Class For: Available to grades 11-12 students.
In this course we will be working our way through the cobwebbed and shadowy corners of this country's literary imagination. Join Edgar Allan Poe and his literary successors in a dark journey throughout mysterious regions of America over the years as we find ways to understand our contemporary culture. This seminar will explore gothic literature through close reading and analysis, reflective writing responses, as well as research writing.

ADVANCED YEAR-LONG COURSE OFFERINGS:

ADVANCED PLACEMENT SEMINAR
Credits: 1.0
Class For: Available for 10th grade students approved for AP work.
Benchmark: Satisfactory completion of honors level seminars; writing sample.
According to the curricular requirements developed by the Advanced Placement division of the College Board, this course will help students develop critical thinking, analytic writing, collaboration, and academic research skills on topics of the teacher's and student's choice. AP Seminar students master skills in analyzing a variety of texts, writing explanatory and argumentative essays, conducting research, working in teams, and presenting.

ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION
Credits: 1.0
Class For: Available for 11th and 12th grade students approved for AP work.
Benchmark: Satisfactory completion of honors level seminars; writing sample.
According to the curricular requirements developed by the Advanced Placement division of the College Board, this course will prepare students to be effective and confident writers in college courses and professionally after that (paraphrased from AP English Course Description). To this end, this course will seek to stretch students by exposing them to varying types of well written prose material, training them to recognize the hallmarks of a well-written piece, and by challenging them to write on their own, responding to and learning from the techniques of accomplished writers.

ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION
Credits: 1.0
Class For: Available for 12th grade students approved for AP work.
Benchmark: Satisfactory completion of AP Language and composition recommended; writing sample.
This college-level course includes in-depth studies of 5-7 major works to prepare students for the essay and multiple-choice questions on the national AP Exam. Students are expected to be able to use these tools to understand the major works, recognition and use of literary terms, test strategies, and vocabulary emphasis are also part of this course. This course affords students the opportunity to further develop their elevated writing techniques with the explicit goal of solidfying their craft.

FINE ARTS

2.0 credits required for graduation.

DRAWING
Credits: 1.0
Drawing is a year-long course that prepares the student to see more clearly how to draw three-dimensionally using aerial and linear perspective. Students will focus on a variety of subject matters (landscapes, cityscapes, and still life) using pencil, colored pencil, etching tools, and colored chalk. During the second semester, students will begin to draw on a larger scale and continue to learn how to develop a variety of differing compositions that artists use in their drawings and paintings. Students are required to keep a sketchbook for preliminary sketches and will develop a physical and digital portfolio for use in future pursuits in the visual arts. This year-long course counts toward the Fine Arts graduation requirement.

2-D ART & DESIGN
Credits: 1.0
Prerequisite: One year of Drawing or instructor approval.
2-D Art & Design builds on skills taught in Drawing to help students learn to create two-dimensional art in a variety of mediums, with an emphasis on painting. Instruction will include student-centered skill building in painting techniques, training the eye to evaluate and synthesize color schemes, and exposure to diverse styles of painting- from watercolor to acrylic. Students will regularly submit works to state-wide art shows, including the State Fair and the SCISA Art Show, and participate in local adjudications. This year-long course is a prerequisite for AP 2-D Art & Design and counts toward the Fine Arts graduation requirement.

3-D ART & DESIGN
Credits: 1.0
Prerequisite: One year of Drawing or instructor approval.
3-D Art & Design builds on skills taught in Drawing to help students learn to create three-dimensional art in a variety of mediums, with an emphasis on sculpture. Instruction will include student-centered skill building in sculpting techniques, training the eye to evaluate and synthesize shadow and texture, and exposure to diverse styles of sculpture. Students will regularly submit works to state-wide art shows, including the State Fair and the SCISA Art Show, and participate in local adjudications. This year-long course is a prerequisite for AP 3-D Art & Design and counts toward the Fine Arts graduation requirement.

AP 2-D ART & DESIGN
Credits: 1.0
Prerequisite: One year of 2-D Art & Design or instructor approval.
AP 2-D Art & Design builds on skills taught in 2-D Art & Design to challenge students to create two-dimensional art at the level of an introductory university course. In alignment with the AP College Board, this course will emphasize the skills of inquiry and investigation of ideas within two-dimensional art; making art through practice, experimentation, and revision; and communication and reflection of the learning process through writing. Students will regularly submit works to state-wide art shows, including the State Fair and the SCISA Art Show, and participate in local adjudications. Students will submit an individual portfolio for the College Board 2-D Art & Design AP Exam at the end of the school year, and selected portfolios will be displayed in the Ben Lippen Art Gallery. This year-long course counts toward the Fine Arts graduation requirement.

AP 3-D ART & DESIGN
Credits: 1.0
Prerequisite: One year of 3-D Art & Design or instructor approval.
AP 3-D Art & Design builds on skills taught in 3-D Art & Design to challenge students to create three-dimensional art at the level of an introductory university course. In alignment with the AP College Board, this course will emphasize the skills of inquiry and investigation of ideas within three-dimensional art; making art through practice, experimentation, and revision; and communication and reflection of the learning process through writing. Students will regularly submit works to state-wide art shows, including the State Fair and the SCISA Art Show, and participate in local adjudications. & Design and counts toward the Fine Arts graduation requirement.

FINE ARTS (cont'd)

HIGH SCHOOL CHOIR
Credits: 1.0
High School Choir is designed to build on the skills taught in 7th & 8th Grade Choir by increasing student understanding of singing technique, fostering creative teamwork in a fun atmosphere, and exposing students to real-world performance opportunities. Students will work together to tackle challenging pieces of music in diverse styles and genres, and present them at multiple performances, including the SCMEA Choral Performance Assessment. This year-long course counts toward the Fine Arts graduation requirement.

HIGH SCHOOL CHOIR (Honors)
Credits: 1.0
Prerequisite: Two years of High School Choir. Schedule an audition with instructor.
Honors Choir is designed to build on the skills taught in High School Choir by introducing more challenging repertoire, adding performance opportunities, and emphasizing student leadership training. Students will perform music in multiple foreign languages, travel to perform at the Biltmore Estate and the SCMEA Choral Performance Assessment, and plan and execute a leadership retreat. Students may also have the opportunity to participate in a national or international performance.

WORSHIP ARTS
Credits: 1.0
Prerequisite: Audition-only or instructor approval. Schedule an audition with instructor.
This is an advanced level music course that provides an opportunity for students to lead their peers in corporate worship settings. Students are expected to model authentic worship and possess a desire to grow in their leadership skills. Students learn to combine music and other creative elements in regular student chapels. Previous or current musical experience in band, choir, guitar, music lessons, etc. is encouraged and preferred. This year-long course counts toward the Fine Arts graduation requirement.

BAND
Credits: 1.0
9th-12th grade band places further emphasis on performance level skills and musicianship. Students have the opportunity to perform at football games, basketball games, jazz band, concerts, and competitions. Topics/skills covered include tone development, blend, repertoire, rhythmic variety and complexity, music theory, ear training and listening skills, equipment care and maintenance, and effective practice habits.

BAND (Honors)
Credits: 1.0
Prerequisite: Two years of High School Band.
Students who have completed two years of High School Band are eligible to enroll in High School Honors Band for their third and fourth years. Honors Band places additional emphasis on high level musicianship by giving students extensive opportunities to perform. Students will participate in the Carowinds Festival of Music and the SCISA Music Festival, as well as audition for the SCBDA All-Region Band and the SCBDA All-State Band. Students will engage in leadership training and take ownership of various aspects of the Band Program.

GUITAR 1
Credits: 1.0
Guitar 1 is designed to introduce students to the fundamentals of playing the guitar. They will learn proper technique, music reading and theory, beginner accompaniment technique (strumming chords), reading Tablature, and ensemble performance. Students perform in two or more public performances. This year-long course counts toward the Fine Arts graduation requirement.

GUITAR 2
Credits: 1.0
Prerequisite: Guitar 1 or instructor approval. If a student has been playing guitar for a year or more, or has successfully completed Guitar 1, then he or she qualifies for enrollment in Guitar 2.
Guitar 2 is designed to increase the student's knowledge and skill in the areas of reading notes in higher positions, intermediate accompaniment technique, intermediate theory, improvisation, and ensemble performance. Students perform in two or more public performances. This year-long course counts toward the Fine Arts graduation requirement.

FINE ARTS (cont'd)

GUITAR 3 (Honors)
Credits: 1.0
Prerequisite: Guitar 2 or instructor approval. If a student has been playing guitar for 2 years or more, or has successfully completed Guitar 2, then he or she qualifies for enrollment in Guitar 3.
Guitar 3 is an advanced guitar course designed to increase the student's knowledge and skill in the areas reading notes in higher positions, advanced accompaniment technique, advanced theory, improvisation, and ensemble performance. Students perform in two or more public performances. This year-long course counts toward the Fine Arts graduation requirement.

GUITAR 4 (Honors)
Credits: 1.0
Prerequisite: Guitar 3 or instructor approval. If a student has been playing guitar for 3 years or more or has successfully completed Guitar 3, then he or she qualifies for enrollment in Guitar 4.
Guitar 4 is an advanced guitar course designed to increase the student's knowledge and skill in the areas reading notes in higher positions, advanced accompaniment technique, advanced theory, improvisation, and ensemble performance. Students perform in two or more public performances. This year-long course counts toward the Fine Arts graduation requirement.

BLUEGRASS BAND (Honors)
Credits: 1.0
Prerequisite: Audition-only or instructor approval. Schedule an audition with instructor.
Do you play a bluegrass instrument? Do you enjoy performing? The Bluegrass Band is a class for students who enjoy performing on the following instruments: acoustic guitar, mandolin, banjo, fiddle, bass, and/or voice. The class will emphasize reading tablature/notation, arranging songs, playing melodies by ear, scale knowledge, music theory, Gospel and Appalachian music, and improvisation. The Bluegrass Band performs at various school events, the State Fair, Bills Pickin' Parlor, and semester Guitar Concerts. Recommended experience levels include: one year of Guitar I-IV or private lessons (for students interested in guitar, bass, mandolin, or banjo); one year of High School Choir or private voice lessons (for students interested in voice); three years of private violin lessons (for students interested in fiddle). This year-long course counts toward the Fine Arts graduation requirement.

YEARBOOK
Credits: 1.0
Prerequisite: Students in 10th-12th grades.
Prerequisite: Application and approval by advisor.
Yearbook class is a year-long course that counts as a full credit toward graduation. The yearbook class equips students to apply design and journalistic skills and principles to the development a high quality high school yearbook. Students learn to use a checklist to self- assess their work and are responsible for every aspect of their layouts. Students learn and apply photography, journalistic writing, and design skills using online technology.

THEATER
Credits: 1.0
Beginning High School Theater introduces students to theater performance and theater production. Students will build acting skillsthrough active improvisation and characterization, think critically about theater through script analysis, and engage in hands-on creation through theatrical building and technology. Students are encouraged to participate in the high school musical through performance or production. This year-long course counts toward the Fine Arts graduation requirement.

FUNDAMENTALS OF PHOTOGRAPHY
Credits: 1.0
Fundamentals of Photography introduces students to beginning skills in digital photography. Instruction will emphasize physical techniques in capturing images, constructing aesthetic digital compositions, and evaluating effective communication through photography. Digital cameras, Mac computers, and all necessary equipment will be provided. This year-long course counts toward the Fine Arts graduation requirement.

HIGH SCHOOL ORCHESTRA
Credits: 1.0
Prerequisite: Middle School Concert Strings or private lessons on a stringed instrument.
High School Orchestra will build on the fundamentals taught in Middle School Concert Strings. This course places additional emphasis on skill-building in music through instrumental technique, music theory, and performance experience. Students will participate in the Carowinds Festival of Music and the SCISA Music Festival, as well as have the opportunity to audition for the SCMEA All-Region Orchestra and the SCMEA All-State Orchestra. This year-long course counts toward the Fine Arts graduation requirement.

LAB SCIENCE

3.0 credits required for graduation

Two units must be in two different fields selected from Biology, Chemistry, Earth Science, and Physics. The third unit may be from any lab science for which Biology, Chemistry, Physics or Earth Science is a prerequisite. It is strongly recommended that students desiring to pursue careers in science, mathematics, engineering or technology take one course in all four fields.

BIOLOGY
Credits: 1.0
This laboratory course includes studies in the areas of ecology, cellular structure and functions, genetics, classification, anatomy and physiology of invertebrates and vertebrates (including detailed dissection of both invertebrates and vertebrates), botany, and the issues involving evolution and creation.

BIOLOGY (Honors)
Credits: 1.0
Benchmarks: 85% or above in previous science classes plus teacher recommendation. Standardized testing will be considered.
This laboratory course, designed for advanced students, takes every area taught in regular biology and explores it from a more analytical perspective. Students are expected to be able to read with comprehension, work independently and use scientific principles to design and/or complete more complex laboratory exercises.

CHEMISTRY (CP)
Credits: 1.0
Prerequisite: Biology, and 2 high school math credits
This laboratory course is taught from a mathematical platform with practical applications, where relevant, as well as strengthening critical thinking skills. Essential lab experiments are interwoven throughout the scope of this class. Concepts covered in-depth include scientific measurement, matter and change, atomic structure, the periodic table, chemical nomenclature, chemical reactions, stoichiometry, behavior of gases, electrons in atoms, periodicity, aqueous systems, solutions, acids, and bases.

CHEMISTRY (Honors)
Credits: 1.0
Prerequisite: Biology, completion of 2 high school math credits
Benchmarks: 85% or above in previous honors level math OR 90% or above in previous CP level math. Standardized testing will be considered.
This laboratory course includes all topics covered in chemistry but in more depth and a faster pace, requiring students to have strong math skills. Some additional concepts, including thermochemistry and oxidation/reduction, are added. A strong emphasis is placed on mathematical concepts and logical organization of data.

ENVIRONMENTAL SCIENCE
Credits: 0.5
Class For: 10th-12th Grade
Prerequisite: Biology
Environmental science is the study of human interaction with their environment. This course will cover the following topics: ecology, biodiversity, and interactions within ecosystems. This provides a background for understanding and discussing the effects of human actions on different natural systems: land use, pollution, biodiversity decline, the extraction of resources, and finally, global issues such as climate change. The final unit looks toward the future and discusses in scientific terms what can be predicted, given current trends, as well as what might be expected if humans act in accordance to Biblical principles to have a positive impact on the world. Students will engage the material through lab experience, lectures, and projects.

MARINE BIOLOGY
Credits: 0.5
Class For: 10th-12th Grade
Prerequisite: Successful completion of Biology
Marine Biology is a comprehensive study of the oceans life and their interactions. In this course, we will study the chemistry of ocean waters and the vastly diverse organisms found in them. Marine microorganisms, from bacteria, protozoa, and fungi will be observed as well as plant life, while looking at the economic importance of each. We will see God's hand in creation as we study invertebrates and vertebrates such as marine reptiles, fish, mammals and birds. Understanding marine ecosystems like coral reefs, open ocean and rocky shores will allow us to learn how better to care for and appreciate this vast and amazing biome.

LAB SCIENCE (cont'd)

EARTH SCIENCE PART 1: GEOLOGY
EARTH SCIENCE PART 2: ATMOSPHERIC SCIENCE AND ASTRONOMY
Credits: 1.0
Class For: 10th-12th Grade
Earth Science is the study of Earth's processes in the hydrosphere, geosphere, atmosphere, and biosphere. Topics include rocks and minerals, weathering, earthquakes, volcanoes, plate tectonics, oceanography, meteorology, and astronomy. As students engage the material through lectures, projects, and labs they will come to understand how many of these topics are interrelated. For example, Earth's plate tectonics lead to earthquakes and the formation of mountains and/or volcanoes. The curriculum integrates critical thinking and laboratory skills that stress the development of experimental design, detailed observation, accurate recording, data interpretation, and analysis. Earth Science is a lab science.

ANATOMY & PHYSIOLOGY (Honors)
Credits: 1.0
Class For: 11th-12th Grade
Prerequisites: Successful completion of Biology
Benchmarks: 85% or above in Honors Biology OR 90% or above in CP Biology.
This laboratory course develops a deep understanding of the human systems and their functions. Topics include eleven body systems, embryology, and organization of the body along with common disorders of each system. This laboratory course emphasizes hands-on applications of both anatomy and the physiology of the human structure, with detailed dissection of fetal pigs and cow eyes.

HUMAN GENETICS (Honors)
Credits: 0.5
Class For: 11th-12th Grade
Prerequisite: Successful completion of Biology and Chemistry
Benchmarks: 85% or above in previous honors level Biology AND Chemistry OR 90% or above in previous CP level. Standardized testing will be considered.
Genetics is an upper-level life science elective, which focuses on Mendelian genetics, gene structure and function, inheritance patterns, and genetic abnormalities. We will use current biotechnology methods and learn about the Human Genome Project. Other topics of interest may include human ancestry, genetics of immunity and cancer and genetics. Various methods for instruction will include discussion, research, debating ethical issues, data collection and analysis and laboratory investigations.

FORENSICS (Honors)
Credits: 0.5
Class For: 11th-12th Grade
Prerequisites: Successful completion of Biology and Chemistry
Benchmarks: 85% or above in previous honors level Biology AND Chemistry OR 90% or above in previous CP level. Standardized testing will be considered.
Forensic Science is the application of science (chemistry, physics, and biology) to the criminal and civil laws that are enforced by police agencies in a criminal justice system. It includes the investigation of fingerprinting, fiber analysis, ballistics, arson, trace evidence analysis, poisons, drugs, blood spatters, and blood samples. Students are taught the proper collection, preservation, and laboratory analysis of various samples, as well as the law and courtroom procedures from the perspective of the forensic scientist. Through discussions, laboratories, and analysis of fictional crime scenarios, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions.

ADVANCED PLACEMENT PHYSICS 1
Credits: 1.0
Prerequisite: Successful completion of Algebra 1, Algebra 2 and Geometry.
Benchmarks: 85% or above in previous honors level math OR 90% or above in previous CP level math in 3 high school math courses, honors level recommended. Standardized testing will be considered.
This is an algebra-based physics course emphasizing inquiry, critical thinking, and reasoning skills. Students will cultivate their understanding of physics and science practices as they explore kinematics, dynamics, circular motion, the universal law of gravitation, simple harmonic motion, impulse, linear momentum, collisions, work, energy, torque, rotational kinematics and dynamics, electrostatics, DC circuits, mechanical waves, and sound.

LAB SCIENCE (cont'd)

ADVANCED PLACEMENT BIOLOGY
Credits: 1.5
Prerequisites: Successful completion of Biology and Chemistry
Benchmarks: An 85% or above in previous honors level Biology AND Chemistry OR 90% or above in previous CP level. Standardized test scores will be taen into account.
This college-level laboratory course is designed for the student who desires a more extensive knowledge in the field of biology. It will prepare students for the rigor of college courses and the Advanced Placement Exam administered at the end of the year. Topics of study include biological chemistry, cytology, genetics, molecular biology, evolution, biotechnology, plant and animal physiology, and ecology.

ADVANCED PLACEMENT CHEMISTRY
Credits: 2.0
Prerequisites: Successful completion of three math classes: Algebra 1, Algebra 2 and Geometry and two Science classes: Biology and Chemistry
Benchmarks: An 85% or above in previous Honors math (Algebra 2, Geometry) and science classes, or attain a grade of 90% or above in prior CP math (Algebra 2, Geometry) and science classes while also being enrolled in or having completed Pre-calculus. Standardized test scores will also be taken into account.
This college-level laboratory course is designed for the student who desires a more extensive knowledge in the field of chemistry. It will prepare students for the Advanced Placement Exam administered at the end of the year. Laboratory experiments are rigorous and extensive. Concepts emphasized in this course include matter, measurement, atoms, molecules, ions, stoichiometry calculations, equations, aqueous reactions, thermochemistry, periodic properties, chemical bonding, molecular geometry and bonding theories, gases, intermolecular forces, liquids and solids, properties of solutions, chemical kinetics, chemical equilibrium, acid-base equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and organic chemistry.

DUAL ENROLLMENT CLASSES (taught in person by Ben Lippen teachers)

SCI 2010 ENVIRONMENTAL SCIENCE
Credits: 1.0
This course is designed to provide you a general overview of environmental science, with an emphasis on sound science, stewardship, and sustainability. Students study basic concepts of environmental science, relationships between living and nonliving things, human impact upon the environment, and proper care of earths resources. Critical thinking skills will be utilized throughout this course, with a view toward helping you carefully consider scientific concepts and their effects upon human interactions. The study of environmental science is approached from the perspective that human beings are tasked with practicing appropriate stewardship of God's creation.

SCI 2010 ENVIRONMENTAL SCIENCE LAB
Credits: 0.3
This laboratory course will accompany SCI 2010 Environmental Science: Exploring God's World. Students will collect and scientifically analyze soil, air, and water samples to determine levels and potential causes of contamination. Students will carry out an environmental research project and present the findings.

MATHMATICS

4.0 credits required for graduation including: Algebra 1, Geometry, Algebra 2, and one upper-level math course

All students must be enrolled in a math course each semester. A TI-83 or TI-84 graphing calculator is required in all high school math classes.

ALGEBRA 1 (CP)
Credits: 1.0
This course is the initial course in the high school math sequence, there are no prerequisites. Topics investigated include simplifying rational, irrational, and polynomial expressions as well as solving linear and quadratic equations, inequalities, systems and functions. Technology (including graphing calculators) will be used to introduce and investigate these areas of study.

GEOMETRY (CP)
Credits: 1.0
Prerequisite: Satisfactory completion of Algebra 1 or Algebra 1 Honors.
This course covers the systematic study of points, lines, and planes with an emphasis on the properties of lines, polygons, and circles. The development of formal proofs using theorems and postulates, logical reasoning, congruence, similarity, and symmetry is emphasized. The properties of 2D/3D figures and simple right triangle trigonometry are also covered.

GEOMETRY (Honors)
Credits: 1.0
Benchmarks: An 85% or above in previous honors level math OR 90% or above in previous CP level math. Standardized testing will be considered.
This course covers the same material as Geometry in greater depth and at a more abstract level.

ALGEBRA 2 (CP)
Credits: 1.0
Prerequisite: Satisfactory completion of Algebra 1, and Geometry
Fundamental skills of mathematics will be applied to such topics as functions, equations and inequalities, probability and statistics, logarithmic and exponential relationships, quadratic and polynomial equations, complex numbers, and matrices. Technology (including computer-based and graphing calculator technology) will be used to introduce and expand upon the areas of study listed above.

ALGEBRA 2 (Honors)
Credits: 1.0
Prerequisite: Satisfactory completion of Algebra 1 and Geometry
Benchmarks: An 85% or above in previous honors level math OR 90% or above in previous CP level math. Standardized testing will be considered.
This course covers the same material as Algebra 2, but in greater depth.

DISCRETE MATH (Spring semester only)
Credits: 0.5
Prerequisites: Satisfactory completion of Algebra 1, Geometry, and Algebra 2
This is a one semester course offered the opposite semester from Trigonometry. Students study beginning probability and statistics focused on data exploration and describing patterns and departures from patterns (including mean, median, mode, standard deviation, normal frequency distribution and confidence intervals). Emphasis will be placed on practical applications.

TRIGONOMETRY (Fall semester only)
Credits: 0.5
Prerequisite: Satisfactory completion of Algebra 1, Geometry, and Algebra 2
This is a one semester course offered the opposite semester from Discrete Math. Students study trigonometric relationships, functions, graphs (including transformations), complex numbers, and beginning limits. Solving trigonometric equations and verification of complex trigonometric identities utilizing all the basic trigonometric identities is emphasized. Students use graphing calculators in activities that are appropriate to the topics studied.

MATHMATICS (cont'd)

STATISTICAL REASONING (12th grade)
Credits: 1.0
Prerequisites: Satisfactory completion of Algebra 1, Algebra 2, and Geometry
This course teaches students how to use four-steps of the statistical process: ask questions, collect data, analyze data, and make conclusions. Major statistical topics include: analyzing distributions of univariate and bivariate data, both categorical and numerical, using graphs and summary statistics; correlation and least squares regression; using simulations to estimate probability distributions; theoretical probability distributions, including the binomial and normal distributions; rules of probability, including conditional probability and expected value; the logic of hypothesis testing, including stating hypotheses, calculating and interpreting p-values, drawing conclusions, and Type I and Type II errors; using confidence intervals to estimate parameters; and proper methods of data collection, including sampling and experimentation. Use of technology, including online applets and the graphing calculator will be prominent in the course. Throughout the course, students will complete investigations that require students to complete the four-step statistical process.

ADVANCED PLACEMENT STATISTICS (12th grade)
Credits: 1.0
Prerequisite: Satisfactory completion of Algebra 1, Algebra 2, and Geometry
Benchmarks: An 85% or above in previous math course. Standardized testing will be considered.
This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data (describing patterns and departures from patterns), sampling and experimentation (planning and conducting a study), anticipating patterns (exploring random phenomena using probability and simulation), and statistical inference (estimating population parameters and testing hypotheses). This course is equivalent to a one- semester introductory college statistics course.

PRE-CALCULUS (Honors)
Credits: 1.0
Prerequisite: Satisfactory completion of Algebra 1, Algebra 2, and Geometry
Benchmarks: An 85% or above in previous CP level math.Standardized testing will be considered.
This course is designed to prepare students for first-year college calculus or AP Calculus, and as a result it is an extremely rigorous ourse. Topics include polynomial and rational functions, exponential and logarithmic functions, absolute value functions, piece-wise functions, parametric and polar relationships, vectors, trigonometric functions (including verifying trigonometric identities), analytical geometry, and probability.(exploring random phenomena using probability and simulation), and statistical inference (estimating population parameters and testing hypotheses). This course is equivalent to a one- semester introductory college statistics course.

ADVANCED PLACEMENT CALCULUS AB
Credits: 1.0
Prerequisite: Satisfactory completion of Algebra 1, Algebra 2, Geometry, and Pre-Calculus
Benchmarks: An 85% or above in previous Honor Pre-Calculus. Standardized testing will be considered.
This course covers all topics outlined in the AP Calculus AB syllabus including the study of functions, continuity, limits, derivatives, rules for differentiation, extreme values and rates, applications of derivatives, elementary integration, and applications of integration. This course is equivalent to the first semester of college calculus.

ADVANCED PLACEMENT CALCULUS BC
Credits: 1.5
Prerequisite: Satisfactory completion of Algebra 1, Algebra 2, Geometry, and Pre-Calculus
Benchmarks: A 90% or above in previous Honor Pre-Calculus. Standardized testing will be considered.
This course covers all topics included in the AP Calculus AB syllabus as well as advanced integration and applications of integration, sequences and series (including convergence, divergence, Power Functions and Taylor Polynomials), and differentiation/integration of polar and parametric relationships (including vectors) with applications. Students must enroll in the yearlong Advanced PlacementCalculus AB course to enroll in Advanced Placement Calculus BC second semester. This course is equivalent to the second semester of college calculus.

MATHMATICS (cont'd)

DUAL ENROLLMENT CLASSES
(taught in person by Ben Lippen teachers):

BLS MAT2100:
INTRODUCTION TO STATISTICS
Credits: 1.0 (1.0 high school credits, 3 college credit hours offered through CIU, additional fees)
Prerequisite: none
This course provides an elementary overview of probability and statistics that will prepare students to conduct and interpret research in a variety of scientific fields. The content will include descriptive statistics; probability; discrete and continuous random variables; binomial, normal, and student-t distributions; methods for conducting inference, including confidence intervals and hypothesis tests; and linear correlation and regression.

BLS MAT2600:
BUSINESS CALCULUS
Credits: 1.0 (1.0 high school credits, 3 college credit hours offered through CIU, additional fees)
Prerequisite: B or higher in Pre-Calculus or instructor approval
A calculus course intended for those studying business, economics, or other related business majors. The following topics are presented with applications in the business world: functions, graphs, limits, exponential and logarithmic functions, differentiation, integration, techniques and applications of integration, partial derivatives, optimization, and the calculus of several variables. Each textbook section has an accompanying homework set to help the student better understand the material.

PHYSICAL EDUCATION

1.0 credit required for graduation

PHYSICAL EDUCATION: LIFETIME SPORTS
Credits: 0.5
The physical education curriculum focuses on individual and team sports as well as personal fitness/wellness which will assist students in establishing consistent exercise patterns maintainable for a lifetime.

PHYSICAL EDUCATION: WEIGHT TRAINING
Credits: 0.5 credits per semester; only 1.0 total credit can be earned
This advanced course is designed to train and condition varsity sport athletes not only during their specific season but throughout the school year. With the athletes' and their sport specific skills in mind, coaches monitor and train student athletes in advanced strength and conditioning skills. This course may be taken more than once for credit up to a maximum of one full credit.

SPORTS PARTICIPATION
Credits: 0.2 credits per season
Each season of junior varsity or varsity sports participation during grades 9-12 will get credit towards the Physical Education requirement. This credit will appear on the student's transcript but will not be included in the GPA calculation.

SOCIAL STUDIES

4.0 credits required including U.S. History, Government, and Economics.

HUMAN GEOGRAPHY

Credits: 1.0
Class For: 9th Grade

Students study Earth's human geography, beginning with the use of maps and other geographic representations, geospatial technologies, and spatial thinking to understand and communicate geographic information. Students will examine patterns and processes of how human characteristics and activities vary across Earth's surface and how humans understand, use, and alter the surface of Earth. This course is organized systematically around the topics of population and migration geography, economic geography, cultural geography, political geography, and urban geography. Students will also learn to employ spatial concepts and landscape analysis to examine human patterns and processes and their environmental consequences and evaluate global decisions using a biblical worldview.

HUMAN GEOGRAPHY (Honors)

Credits: 1.0
Class For: 9th Grade
Prerequisite: Successful completion of 8th grade American History
Benchmarks: An 85% or higher in American History. Standardized testing will be considered.

Students study Earth's human geography, beginning with the use of maps and other geographic representations, geospatial technologies, and spatial thinking to understand and communicate geographic information. Students will examine patterns and processes of how human characteristics and activities vary across Earth's surface and how humans understand, use, and alter the surface of Earth. This course is organized systematically around the topics of population and migration geography, economic geography, cultural geography, political geography, and urban geography. Students will also learn to evaluate global decisions using a biblical worldview.

ADVANCED PLACEMENT HUMAN GEOGRAPHY

Credits: 1.0
Class For: 9th Grade
Prerequisites: Successful completion of 8th grade American History
Benchmarks: A 90% or above in American History; writing sample. Standardized testing will be considered.

AP Human Geography is an introductory college-level course. Students cultivate their understanding of human geography through data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with their environment, and spatial processes and societal changes. This course is open to freshmen and sophomores only.

WORLD HISTORY

Credits: 1.0
Class For: 10th Grade

This course provides a thorough look at non-western societies from a Euro-American framework. It introduces students to the cultures of humanity from Asia, Africa, the Middle East, and South America. Included is an overview of ancient and medieval societies with a look at each region's historical, geographical, social, economic, and political features. Units are tied in with current events where applicable.

WORLD HISTORY (Honors)

Credits: 1.0
Class For: 10th Grade
Prerequisite: An 85% or above in previous honors level English OR 90% or above in previous CP level English. Standardized testing will be considered.

This course covers the same topics as World History, but in greater depth, at faster speed, and with more independent reading required.

ADVANCED PLACEMENT EUROPEAN HISTORY

Credits: 1.0
Class For: 10th Grade
Benchmarks: A 95% or above in previous CP English and History classes or 85% or above in previous Honors English and History classes. Standardized testing will be considered.

AP European History focuses on developing students' abilities to think conceptually about European history from 1450 to the present and to apply historical thinking skills as they learn about the past. Five themes of equal importance - Interaction of Europe and the World, Poverty and Prosperity, Objective Knowledge and Subjective Visions, States and Other Institutions of Power, and Individual and Society - provide areas of historical inquiry for investigation throughout the course. These themes require students to reason historically about continuity and change over time and make comparisons about various historical developments in different times and places.

SOCIAL STUDIES (cont'd)

U.S. HISTORY
Credits: 1.0
Class For: 11th Grade
Benchmarks: World History or AP European History
This course provides students with a structured view of the development of the United States from Pre-Colombian Era to the present. Special attention is paid to constitutional and economic issues in their respective historical settings. Students are encouraged to develop a biblical view of politics, economics, and the proper role of a responsible citizen.

U.S. HISTORY (Honors)
Credits: 1.0
Class For: 11th Grade
Benchmarks: An 85% or above in previous honors level English and History OR 90% or above in previous CP level English and History. Standardized testing will be considered.
This course covers the same topics as U.S. History, but in greater depth, at faster speed, and with more independent reading required.

ADVANCED PLACEMENT U.S. HISTORY
Credits: 1.0
Class For: 11th Grade
Benchmarks: 95% or higher in previous CP English and History classes or 85% or higher in previous Honors English and History. Standardized testing will be considered.
This course begins with early exploration to the 21st Centruy, develops significant writing abilities, particularly respecting interaction with various historical documents and knowledge of the period of those documents.

GOVERNMENT
Credits: 0.5
Class For: 12th Grade
Prerequisite: World History or AP European History and U.S. History
This semester course encompasses the political, economic, historical and Christian heritage of the United States from its founding to present day with special emphasis on the impact and events of the 20th century. Students will study the impact of America's democratic system within a global setting, as they examine political, economic and historical trends on a domestic level. This course emphasizes the fundamental concepts and principles of American government of the United States.

GOVERNMENT (Honors)
Credits: 0.5
Class For: 12th Grade
Prerequisite: World History and U.S. History. Standardized testing will be considered.
Benchmarks: 85% or above in previous honors level English and History OR 90% or above in previous CP level English and History. Standardized testing will be considered.
This course covers the same topics as Government, but in greater depth and with more independent reading required.

ADVANCED PLACEMENT UNITED STATES GOVERNMENT AND POLITICS
Credits: 1.0
Class For: 12th Grade
Prerequisite: World History or AP European History, and U.S. History, satisfactory performance in previous English classes, strong writing skills.
Benchmarks: A 95% or higher in previous CP English and History classes or 85% or higher in previous Honors English and History. Standardized testing will be considered.
This year long course is comparable to an entry level college course and prepares the student to successfully complete the AP exam. Students will focus on advanced writing skills as they examine the inner workings of the American Government from colonial America to the present day.

ECONOMICS
Credits: 0.5
Class For: This is a required 12th Grade course
This semester course covers microeconomic, macroeconomic, and standard economic concepts influencing our economy. Students will study fundamental principles such as scarcity, supply and demand, market structures, labor, wages, taxes, money and banking, fiscal policy, poverty, and international trade. Emphasis is placed on applying these principles to current political and social issues, integrating real-world events and practical aspects of economics.

ECONOMICS (Honors)
Credits: 0.5
Class For: 12th Grade
This course covers the same topics as Economics, but in greater depth and with more independent reading required.

TECHNOLOGY

1.0 credit required for graduation.

ADVANCED ROBOTICS - COMPUTER HARDWARE & ELECTRONICS ADVANCED

Credits: 1.0

Prerequisite: Satisfactory completion of Robotics Fundamentals; prior robotics experience may be considered in lieu of Robotics Fundamentals upon faculty approval.

Using TETRIX ROBOT SYSTEMS, students will design, build, and program robots to a new level, applying real-world math and science concepts. Students will develop problem-solving, organizational, and team-building skills while using technical drawing or drafting, 3-D printing, and advanced 3D modeling. This class will also compete in a FTC FIRST Tech Challenge. We will explore Raspberry Pi systems and create projects with them. This full year course meets the Technology graduation requirement.

COMPUTER SCIENCE PRINCIPLES

Credits: 1.0

This class introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world from a Christian worldview. In this class students will obtain basic skills like cloud computing, office apps, Basic HTML5, digital citizenship and more.

COMPUTER VISION AND MACHINE LEARNING

Credits: 1.0

Prerequisite: Must have had one of the following: completed two semesters of Intro to Programming or Programming Fundamentals or completed two semesters of Advanced Robotics or completed two semesters of AP Computer Science A (Java).

This is an introductory project based class to computer vision where we will explore feature detection, tracking, image analysis, machine learning. One of the fastest growing fields in technology today. We will build fun projects like face detection security system, controlling a drone or robot through motions tracking, detecting weeds in a flower garden, drone surveillance, and more.

ENGINEERING PRINCIPLES

Credits: 1.0

Prerequisite: Satisfactory completion of Algebra 1

Benchmark: An 85% of higher in Algebra 1

Pre-Engineering I is an introductory course into the study of engineering. It is for students who are interested in pursuing a career in engineering, engineering technology, architecture, construction science, mechanics, or other related fields in college. It is also for students who are interested in learning more about applied physics and the physical world that God created. Pre-Engineering I is focused in two major areas: Statics, which includes structural analysis and civil engineering, and Mechanics, which includes simple mechanisms and power transfer systems. Upon completion, students will be prepared for Pre-Engineering II or for an entry engineering course in college.

PROGRAMMING FUNDAMENTALS

Credits: 1.0

Students with no programming background will learn the basic fundamentals of programming. The class will be geared to introduce students to iOS Programming and App Development (XCode/Swift). Coding, principles of design, and mobile engineering with hands- on experience will be included. This course is a full year course that meets the Technology graduation requirement.

ROBOTICS FUNDAMENTALS

Credits: 1.0

Students will be introduced to robotics using the LEGO MINDSTORMS systems and VEX HQ systems. While building robots and learning to program them, students will look at in-depth, multi-faceted engineering challenges. This course is a full year course that meets the Technology graduation requirement.

WORLD LANGUAGES

2.0 credits required for graduation; 3.0 credits of the same foreign language recommended.

FRENCH 1
Credits: 1.0

This course emphasizes the skills of speaking French and listening so that students are able to communicate on a basic level. Vocabulary and grammar are learned through conversation, role play and other interactive activities. The grammar consists of regular and irregular verbs in the present tense, negatives, interrogatives, adjectives, possessives, and articles. Reading and writing skills are learned through stories, creative writing, and written exercises. The culture of many French-speaking countries will be explored.

FRENCH 2
Credits: 1.0

Prerequisite: A "C" or higher in French 1 is highly recommended before registering for French 2.

This course continues to emphasize French grammar and vocabulary while developing more in-depth skills in written and oral expression. Grammar consists of present and past tenses of verbs, including reflexive verbs, the future tense, direct and indirect object pronouns, and comparatives. Reading and listening comprehension skills are developed through the use of written and oral sources. An understanding of the geography and culture of the various Francophone countries will continue to be developed. Students will learn to express ideas of the Christian faith using French Scripture, songs, and through the study of the church in Francophone countries.

FRENCH 3 (Honors)
Credits: 1.0

Prerequisite: An 85% or higher in French 2; standardized testing will be considered.

This course continues to emphasize in-depth oral and written expression, listening and reading comprehension. Grammar consists of the use of all indicative tenses, the present subjunctive mood, the conditional mood, the use of all pronouns, and a review of other basic grammar functions. Students are exposed to cultural art forms such as authentic literature, music, art and videos. Students are required to express themselves in longer and more in-depth written and oral assignments.

SPANISH 1
Credits: 1.0

This course emphasizes the skills of listening and speaking so that students are able to communicate on a basic level. Vocabulary and grammar are learned through conversation, role play and other interactive activities. The grammar consists of regular and irregular verbs in the present tense, interrogatives, negatives, adjectives, possessives, and articles. The skills of reading and writing are learned through stories, creative writing, and written exercises. The culture of many Spanish-speaking countries will be explored.

SPANISH 2
Credits: 1.0

Prerequisite: A "C" or higher in Spanish 1 is highly recommended before registering for Spanish 2.

This course continues to emphasize grammar and vocabulary while developing more in-depth skills in written and oral expression. Grammar consists of present and past tenses of verbs, the progressive tense, imperatives, direct and indirect object pronouns, and comparatives. Reading and listening comprehension skills are developed through the use of written and oral sources. An understanding of the geography and culture of the various Hispanic countries will continue to be developed. Students express ideas of the Christian faith using Spanish Scripture and songs.

SPANISH 3 (Honors)
Credits: 1.0

Prerequisite: An 85% or higher in Spanish; standardized testing will be considered.

This course continues to emphasize in-depth oral and written expression, listening and reading comprehension. Grammar consists of the use of all indicative tense, the present subjunctive mood, the use of all pronouns, and a review of other basic grammar functions. Students are exposed to cultural art forms such as authentic literature, music, art and videos. Students are required to express themselves in longer and more in-depth written and oral assignments. Students will continue to express ideas of the Christian faith.

Equipping **Students.**

Establishing **Leaders.**

BEN LIPPEN
SCHOOL

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Pre-K4 through 4th Grade
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