

Berean High School Curriculum Guide

BIBLE

Spiritual Life – Grade 9

Spiritual Life is designed to enable the student to study, understand, and begin to apply basic concepts of the Christian life found in the Bible. The desire is to motivate the student to pursue a genuine daily relationship with Jesus Christ through the application of biblical concepts to the student's daily life.

Primary Text: *NIV Bible*

Semesters: 2 – Credits: 1

New Testament – Grade 10

New Testament Survey has been designed to enable the student to study and interpret Scripture in its context, deepen understanding of New Testament people, places, events, and teachings, and begin to apply the Scripture of the New Testament to daily life.

Primary Text: *NIV Bible*

Semesters: 2 – Credits: 1

Personal Bible Study– Grade 11

This course involves a survey and application of interpretation principles that are needed in order to read scripture faithfully. By completing this course, students will be able to apply understanding of historical, cultural, and literary context in interpretation.

Primary Text: *Grasping God's Word* by Scott Duvall and Daniel Hays

Semesters: 1 – Credits: 0.5

Theology – Grade 11

This course provides an in-depth look at what Scripture says about the characteristics of God. Each idea is studied then each angle of the issue is examined and contrasted. By taking this course, students will be able to identify and discuss attributes of God's nature.

Primary Text: *Bible Doctrine* by Wayne Grudem

Semesters: 1 – Credits: 0.5

Apologetics/Ethics –Grade 12

This is a survey of basic principles of logic and reasoning followed by an in-depth look at arguments for and against the existence of God. Also included is a survey of ethical principles from the Christian worldview. By completing this course, students will be able to discuss multiple arguments for the existence of God and consider objections to each.

Primary Text: *Defending Your Faith* by RC Sproul

Semesters: 1 – Credits: 0.5

Worldviews – Grade 12

This is a survey of major world religions and minor cultic religious views throughout history. Each religion is compared and contrasted to the others and to Christian theism from a biblical perspective. The sacred text of each religion is briefly surveyed to understand the teachings therein.

Primary Text: *12 Major World Religions* by Jason Boyett

Semesters: 1 – Credits: 0.5

ENGLISH

Composition & Literature – Grade 9

This course focuses on a study of literary genres and informational texts. Students develop initial understanding of both the structure and the meaning of a literary work and explore the effect of the literary form in regards to interpretation. Students will also read across the curriculum to develop academic and personal interests in different subjects. In conjunction with reading skills, students will demonstrate competency in a variety of writing genres: argumentative, informational/expository, and narrative. They will also engage in research, timed writings, and the writing process.

Primary Text: The Book Thief, Romeo and Juliet, The Hobbit

Semesters: 2 – Credits: 1

Honors Prerequisite: B or higher in 8th grade English course, teacher recommendation, and Honors Contract

World Literature – Grade 10

In this course, students read, analyze, and interpret both traditional and contemporary works from North and South America, Europe, Africa, Asia, and Australia. Not only do they delve into prose, poetry, and drama, but they also experience glimpses into different histories and cultures much different than their own. Through reading and discussion of various literary texts, students will interpret universal themes and struggles through a biblical perspective. In addition, students will use these texts to further develop both critical thinking and creative skills. Evaluation criteria includes class discussion, cooperative learning, essay writing, projects, quizzes, and tests.

Primary Text: Night, Much Ado About Nothing

Semesters: 2 – Credits: 1

Honors Prerequisite: B or higher in Composition & Literature, teacher recommendation, and Honors Contract

American Literature – Grade 11

In American Literature, students read, analyze, and interpret the poetry and prose of America from pre-Colonial to modern times. Through reading and discussion of various literary texts, students interpret universal themes and struggles through a biblical perspective. In addition, students use these texts to further develop critical thinking and writing skills. Activities in this course include class discussion, cooperative learning, literary analysis, creative and research-based writing, projects, quizzes, and tests.

Primary Text: American Literature:3rd Edition. BJU Press (2016).

Semesters: 2 – Credits: 1

Honors Prerequisite: B or higher in World Literature, teacher recommendation, and Honors Contract

British Literature – Grade 12

This course is a survey of British Literature from the Anglo-Saxon Period to the present. It builds upon the American Literature and Composition course and focuses on literature and informational texts, writing modes and genres, and essential conventions for reading, writing, and speaking. Students will develop an understanding of chronological context and the relevance of period structures in British literature. They will also develop an understanding of the ways the period of literature affects its structure and how the chronology of a work affects its meaning. Students will encounter a variety of informational and literary texts and read texts in all genres and modes of discourse.

Primary Text: Othello

Semesters: 2 – Credits: 1

Dual Enrollment English Options – Grade 12

English 1010: English Composition I

English 1010 is a 3-credit hour course offered on campus at Berean through Pellissippi State Community College that is focused on the study and practice of expository and persuasive writing with emphasis on research, writing processes, and effective formatting.

Prerequisite: ACT scores of 19 in Reading and 18 in English

Semesters: 1 – Credits: 1

English 1020: English Composition II

English 1020 is a 3-credit hour course offered on campus at Berean through Pellissippi State Community College that is focused on the study of literature and the study and practice or research writing.

Semesters: 1 – Credits: 1

Prerequisite: English 1010

MATHEMATICS

Algebra I – Grade 9

In this course, students build upon prior knowledge by identifying relationships between quantities, linear functions, and inequalities. Students expand their knowledge of exponents and exponential and quadratic functions, expressions, and equations. The course concludes with the development of knowledge in statistics and probability. Throughout the course, students refine their computational skills and increase their knowledge through problem solving and real-world applications. Activities in this course include teacher-instruction, whole group and partner practice, and skill focused projects.

Primary Text: *Glencoe Algebra*. The McGraw-Hill Companies (2014).

Semesters: 2 – Credits: 1

Prerequisite: Pre-Algebra

Geometry – Grade 9 or 10

In this course, students learn mathematical concepts such as geometric structure, congruence, similarity, measurement, and introduction to trigonometry that apply inside and outside the classroom. Mathematics fits into our God-given stewardship of the earth and its vast resources and helps us understand the order, beauty, and harmony that God has designed into it.

Primary Text: *Glencoe Geometry*. The McGraw-Hill Companies (2014).

Semesters: 2 – Credits: 1

Prerequisite: Algebra I

Honors Prerequisite: B or higher in Algebra 1, teacher recommendation, and Honors Contract

Algebra II – Grade 10 or 11

In this course, students learn mathematical concepts such as linear relations and functions; quadratic, polynomial, and radical functions and relations; complex numbers and conic sections; advanced functions and relations; discrete mathematics; and trigonometry (solving missing angles and sides) that apply inside and outside the classroom.

Primary Text: *Glencoe Algebra 2*. The McGraw-Hill Companies (2014).

Semesters: 2 – Credits: 1

Prerequisite: Geometry

Honors Prerequisite: B or higher in Geometry, teacher recommendation, and Honors Contract

Precalculus – Grade 11 or 12

In this course, students learn mathematical concepts such as linear relations and functions; quadratic, polynomial, and radical functions and relations; trigonometric functions, identities, and unit circle; advanced functions and relations; polar coordinates and complex numbers; conic sections; sequences and series; statistics and limits and derivatives that apply inside and outside the classroom.

Primary Text: *Glencoe Precalculus*. The McGraw-Hill Companies (2014).

Semesters: 2 – Credits: 1

Prerequisite: Algebra II

Honors Prerequisite: B or higher in Algebra 2, teacher recommendation, and Honors Contract

Bridge Math – Grade 12

In this course, students revisit and reinforce concepts that they have studied previously in Algebra 1, Geometry, and Algebra 2. The course begins with a review of algebraic concepts before moving on to a variety of key algebraic, geometric, statistical, and probability concepts. The course includes studies in rational and irrational numbers, systems of linear equations, quadratic functions, coordinate geometry, conditional probability, data analysis, linear and non-linear models of data, and many other key skills. Throughout the course students will refine their computational skills and increase their knowledge through problem solving and real-world applications. Activities in this course include teacher-instruction, whole group and partner practice, and skill focused projects.

Primary Text: Developmental Mathematics. Pearson (2020).

Semesters: 2 – Credits: 1

Dual Enrollment Math Options – Grade 11 or 12

Math 1530: Introductory Statistics

This is a 3-credit course offered on campus at Berean through Pellissippi State Community College that covers elementary probability theory, concepts of descriptive statistics, discrete and continuous distributions, hypothesis testing, confidence intervals, sample sizes, correlation, regression, multinomial and contingency tables.

Semesters: 1 – Credits: 1

DE Prerequisite: ACT scores of 19 in Reading, 18 in English, and 19 in Math

Math 1130: College Algebra

This is a 3-credit hour course offered through Pellissippi State Community College designed for students who are not in University Parallel/College Transfer programs of science, mathematics, engineering or computer science. Topics include linear, polynomial, rational, exponential, and logarithmic functions and their graphs and applications; linear and nonlinear regression models.

Semesters: 1 – Credits: 1

DE Prerequisite: ACT scores of 19 in Reading, 18 in English, and 21 in Math

Math 1910: Calculus

This is a 4-credit hour course of single variable calculus offered through Pellissippi State Community College for students majoring in science, mathematics, engineering, and computer science. Topics include limits and differentiation of polynomial, rational, trigonometric, exponential and logarithmic functions and applications.

Semesters: 1 – Credits: 1

DE Prerequisite: ACT scores of 19 in Reading, 18 in English, and 26 in Math

SCIENCE

Biology I – Grade 9

This course includes a study of living organisms and vital processes. Themes that will be covered in this course include scientific skills, ecology, biochemistry, cellular processes, genetics, creation/evolution, classification of organisms, as well as plant and human body systems. The course includes laboratory experiments designed to reinforce course content. Throughout the semester, students will read and analyze the chapters, write topic summaries, complete review materials and projects, and deliver presentations—individually and as groups.

Primary Text: *Biology, 12th ed.* Pearson (2020).

Semesters: 2 – **Credits:** 1

Honors Prerequisite: B or higher in 8th grade science course, teacher recommendation, and Honors Contract

Physical Science – Grade 10

Physical Science is a full-year course that investigates the fundamentals of Physics, Chemistry, Astronomy, and Earth Science. Math skills will be called upon as force, motion, and energy are investigated. The properties of matter, atomic structure, and chemical reactions allow the student to acquire an understanding of the world around them at a microscopic level. Electricity, magnetism, and waves will be discussed as the student learns how these are formed and the features that characterize them. The class also incorporates topics concerning the physical processes on earth, and the motions, characteristics, and forces in space.

Primary Text: *Physical Science, 12th ed.* McGraw Hill (2020).

Semesters: 2 – **Credits:** 1

Prerequisite: Biology I

Chemistry – Grade 10 or 11

In Chemistry, students get a hands-on learning experience that explains the natural world of atoms, chemical bonding, elements and states of matter. Students learn how to make sense of the atomical world through lab experiments, lectures, and projects. Chemistry is really about understanding how God made the world orderly, and a basic understanding of this order inspires us to live out our call to bring the Kingdom to this world by making vaccines, fighting cancer, utilizing energy and discovering elements.

Primary Text: *Clinical Laboratory Chemistry, 2nd ed.* Pearson (2020).

Semesters: 2 – **Credits:** 1

Prerequisite: Biology I and Geometry

Honors Prerequisite: B or higher in Biology 1 course, teacher recommendation, and Honors Contract

Honors Anatomy & Physiology – Grade 11 or 12

Anatomy and physiology is a course that will enable students to develop an understanding of the relationships between the structures and functions of the human body. Students will also learn the mechanisms for maintaining homeostasis within the human body. This course will involve laboratory activities, projects, dissections, textbook material, models, and diagrams. This anatomy and physiology course covers the basics of human anatomy and physiology including anatomical terminology, basic biochemistry, cells and tissues, and the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. The class will also introduce common human disease processes and prepare non-science majors and allied-health career seeking students to take collegiate anatomy and physiology courses.

Semesters: 2 – **Credits:** 1

Prerequisite: Chemistry I

Introduction to Anatomy & Physiology – Grade 10, 11, or 12

The Introduction to A&P course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Semesters: 1– Credits: 0.5

Prerequisite: Biology I

Honors Microbiology – Grade 11 or 12

During Introduction to Microbiology, students will develop a working understanding of, and the skills necessary to, cultivate and study bacteria in the laboratory. Focus of study on viruses to start with and to include a survey of infectious diseases caused by both viruses and bacteria. Students should expect to develop an understanding of infectious diseases and the prevention/control of its spread. Students should expect a demanding daily homework load as well as projects, quizzes, tests, and laboratory write-ups. Laboratory and outdoor experiences complement classroom activities. A high level of understanding in problem solving and the scientific methods is necessary for success in this course.

Microbiology: An Introduction, 13th ed. Pearson (2019).

Semesters: 2 – Credits: 1

Prerequisite: Biology I

Honors Physics – Grade 11 or 12

Physics is an advanced level science class that satisfies the high school graduation requirement of a physical science class. Students should have successfully completed Algebra 2. The physics curriculum includes interactions of matter and energy, velocity, accelerations, force, energy, momentum and charge. Students will be challenged to apply their knowledge of the laws of physics to solve physics related critical thinking problems. This course is a college level course that is being taught in a high school setting. Therefore, it will require more advanced thinking and comprehension skills.

Primary Text(s): Physics. Holt-McDougal (2019).

Semesters: 2 – Credits: 1

Prerequisite: Chemistry 1

SOCIAL SCIENCE

World Geography – Grade 9, 10, 11, or 12 (Typically Grade 9)

World Geography is an elective that is available to all high school students and is offered each semester. The course focuses on how place and history influence culture, and how culture, in turn, influences perspective. The course pairs with our Model United Nations club and seeks to give students the opportunity to develop speech and debate skills as they attempt to settle current geopolitical issues facing our world.

Semesters: 1 – Credits: 0.5

World History – Grade 10

Students in World History read, analyze, and interpret the historical, social, political, and religious contexts of Eastern and Western society from the High Medieval Ages through World War I. By reading and evaluating primary and secondary sources from these time periods, students develop critical thinking skills to interpret and apply historical events to their modern cultural and political contexts. Activities in this course include class discussion, cooperative learning, opinion-based and research-based writing, and projects.

Primary Text: *Human Legacy: Modern Era*. Holt, Rinehart, & Winston (2008).

Semesters: 2 – Credits: 1

Honors Prerequisite: Teacher Recommendation, Honors Contract

US History – Grade 11

Officially beginning with the Reconstruction Era, US History seeks to give a broader perspective of American history rather than focusing on the rote memorization of trivia. Through a mixture of discussion and project-based learning, students analyze the decisions and actions that have built the United States. Students are also challenged to sharpen their own personal beliefs by engaging other perspectives in respectful dialogue.

Primary Text: *American Anthem*. Holt, Rinehart, & Winston (2008).

Semesters: 2 – Credits: 1

Honors Prerequisite: B or higher in World History, Teacher Recommendation, Honors Contract

Government – Grade 12

Through a mixture of discussion and project-based learning, students navigate the intricacies of the American political system and evaluate its efficacy. Students also have the opportunity to dialogue with local politicians, officers, and civil servants as they offer practical advice on the nature of local government and the importance of the individual in the community. Volunteer community service hours are a required portion of this course.

Primary Text: *United States Government*. Holt McDougal (2010).

Semesters: 1 – Credits: 0.5

Honors Prerequisite: B or higher in US History, Teacher Recommendation, Honors Contract

Economics – Grade 12

Economics teaches basic economic principles in the context of a semester-long business project that applies said principles to real-world lessons. Students also have multiple opportunities to engage with local business leaders and influencers who offer practical advice on how our choices impact our futures.

Primary Text: *Understanding Economics*. McGraw Hill (2016).

Semesters: 1 – Credits: 0.5

Honors Prerequisite: B or higher in US History, Teacher Recommendation, Honors Contract

FOREIGN LANGUAGE

American Sign Language I – Typically Grade 9

This course focuses on expressive and receptive skills in American Sign Language and serves as an introduction to American Deaf culture. Students learn the ASL fingerspelling system, are introduced to various vocabulary related to daily activities, family, time and basic conversation, and learn the language and grammar of ASL.

Primary Text: Signing Naturally: Units 1-6. Dawn Sign Press (2008).

Semesters: 2 – Credits: 1

American Sign Language II – Typically Grade 10

This course is designed to continue development of American Sign Language expressive and receptive skills, grammar, vocabulary and cultural awareness. This class builds on knowledge from ASL 1. Students will increase their working ASL vocabulary and conversational skills.

Primary Text: Signing Naturally: Units 7-12. Dawn Sign Press (2008).

Semesters: 2 – Credits: 1

Prerequisite: American Sign Language I

Spanish I – Typically Grade 9

Spanish 1 will provide the student with a general introduction to the Spanish language: sound system, pronunciation, functional vocabulary related to everyday life, cultural information and basic grammatical structures. Emphasis will be on the acquisition of four skills: listening, speaking, reading and limited writing.

Primary Text: Autentico: Level 1. Prentice Hall (2018).

Semesters: 2 – Credits: 1

Spanish II – Typically Grade 10

Spanish 2 builds upon knowledge and reinforces the skills learned in Spanish I: listening, speaking, reading and writing. Emphasis is on improving pronunciation, mastery of the basic grammatical structures, and increased communicative proficiency. Acquisition of functional vocabulary is expected. Students will be exposed to the past tenses, future, conditional and subjunctive mood.

Primary Text: Autentico: Level 2. Prentice Hall (2018).

Semesters: 2 – Credits: 1

Prerequisite: Spanish I

WELLNESS

Wellness Physical Education – Typically Grade 9

This class is designed to promote healthy living with a focus on school sports offered at Berean. It also introduces some international sports which adds a unique world view. In all that we do, we look to glorify Christ with our efforts.

Semesters: 1 – Credits: 0.5

Wellness Health – Typically Grade 9

This course is designed to educate students on general health and wellness. At the end of this course, the student will be able to analyze the influence of family, peers, culture, media, and other factors on health, to use and communicate goals and decision-making skills to enhance health, and to gain the ability to practice health and wellness behaviors and avoid or reduce risk.

Primary Text: *Glencoe Health, 1st ed.* Glencoe (2011).

Semesters: 1 – Credits: 0.5

Personal Fitness – Grade 10, 11, or 12

In this course, students write a workout plan to target major and minor muscle groups, demonstrate ballistic and static stretching and core strength training, and utilize proper technique and weight-room ethics.

Semesters: 1 – Credits: 0.5

Physical Education – Grade 10, 11, or 12

This is primarily a class offering an extension and continued development in the sports and activities learned in middle school. There is a focus on school sports offered at Berean as well as some international sports adding a broader world view. In all that we do, we look to glorify Christ with our efforts.

Semesters: 1 – Credits: 0.5

Supplemental PE Credit – Grade 9, 10, 11, or 12

Students may elect to participate in a Berean approved sport in order to satisfy the additional 0.5 credit PE requirement. In order to receive the credit, students must complete 60 hours of time in the sport, complete a supplemental wellness form, and have the form signed by the coach before submitting it to the counselor.

Semesters: 1 – Credits: 0.5

FINE ARTS/ ELECTIVES

Art 1 – Grade 9, 10, 11, or 12

This course provides an introduction to art and art history through a multimedia experience. Drawing skills are not required. Students will learn to apply the elements and principles of design to produce creative art projects that reflect their understanding of these concepts. The content covers a variety of drawing media and concepts, color theory, painting, 3-dimensional design, ceramics and printmaking.

Semesters: 1 – Credits: 0.5

Advanced Art – Grade 10, 11, or 12

This course is designed to further develop the concepts and skills learned in Art I. Students will use the skills and techniques learned previously to enhance artwork in two- and three-dimensional design using a variety of different media. The two-dimensional media may include, graphite, charcoal, pastels, acrylic, watercolor and ink techniques. Three-dimensional work explored in this class may include wire, ceramic and cardboard sculpture materials. The student will develop an ability to make effective choices concerning media, techniques, subject matter, methods of interpretation and compositional design.

Semesters: 1 – Credits: 0.5

Prerequisite: Art 1

Career Readiness – Grade 11

This course will challenge students to explore, develop, and take steps toward their own postsecondary plans. In this course, students will complete career interest inventories, gain an understanding of the processes involved in applying to colleges, weigh the cost-benefit of different post-secondary options, and practice the college application process. Students will also be taught various ACT testing techniques and will complete practice ACT tests.

Semesters: 1 – Credits: 0.5

Choir – Grade 9, 10, 11, or 12

The objective of choir is to encourage students to use their artistry with the gifts they have been given to shine outside of academia and athletics. Students will study vocal technique, choral blend, sight-reading, ear training, and music theory. When able, the choir will travel to TMEA Festivals and All East/State Competitions with both individual and group statuses. The Ensemble will also perform in sacred and professional events in and outside of Berean walls.

Semesters: 1 – Credits: 0.5

Creative Writing – Grade 10, 11, or 12

Creative Writing is a semester-long course that will explore expressive writing in a variety of forms. Students will develop original ideas and pieces of writing, poetry, drama, and fiction and will work to improve composition skills. The class will also observe and practice writing in relation to podcasts, blogging, and other online avenues. Peer review and sharing ideas will also play a role in how students will refine their writing.

Semesters: 1 – Credits: 0.5

Digital Media Design – Grade 9, 10, 11, or 12

The digital media course specializes in gaming and coding using Unreal Engine and introduces 3D modeling, animation, and concept art. Access to this targeted curriculum will allow Berean students to more effectively write, create, communicate, collaborate, and research--both in and out of class.

Semesters: 1 – Credits: 0.5

Instrumental Music – Grade 9, 10, 11, or 12

In music theory student use various digital learning sources to learn notation, ear training, and technique. The course incorporates various musical genres and vocal techniques There are various performance and leadership opportunities including leading music for chapel, high school retreat, and Christmas. In the past students have used instruments such as guitar, drums, piano, cello, electric guitar, French horn and violin. Core objectives are focused on Bible study, growth in and knowledge of the Word, theology in worship music, humble leadership, practical music theory, and cohesion as a unit. As they continue to grow, juniors and seniors will be prepared to take leadership roles and to encourage and mentor lower classmen

Semesters: 1 – Credits: 0.5

Out of School Experience (OSE) – Grade 10, 11, or 12

This course provides students with a hands-on learning experience in a career field of interest. Students will practice being productive on the job and will access the skills needed for career achievement and success. To earn credit, students will complete 65 total project hours and a portfolio that includes reflection journals and hours logs, interim self and mentor evaluations, and a resume.

Semesters: 1 – Credits: 0.5

Personal Finance – Grade 11 or 12

This course follows the curriculum for "Foundations in Personal Finance for High School Students" by Dave Ramsey. Students learn and understand how to manage money and build wealth in order to set themselves up for successful financial futures. Core topics include debt, investing, giving, taxes, and budgeting. Students seek to apply the knowledge that they gain through a wide variety of activities including setting financial goals, building a budget, and setting plans for investing and retirement.

Semesters: 1 – Credits: 0.5

Musical Theatre – Grade 9, 10, 11, or 12

The objective of musical theatre is to encourage students to use their artistry with the gifts they have been given to shine outside of academia and athletics. Students will study vocal technique, choral blend, sight-reading, ear training, and music theory. Berean has a long history of producing mainstream, full-scale Broadway musicals. Students make up not only the actors/actresses but also the set builders, tech crew, and designers.

Semesters: 1 – Credits: 0.5

Yearbook/Graphic Design – Grade 9, 10, 11, or 12

The primary goal of this course is to provide real life advertising agency experience through instruction in graphic design skills. The production of campus yearbooks from conception to printing establishes actual project experience and skill development. Design software is introduced and used for yearbook assignments, school related projects, and the development of marketing materials for clients.

Semesters: 1 – Credits: 0.5

Supplemental Fine Arts Credit – Grade 9, 10, 11, or 12

Students may elect to participate in a Berean play or other Berean approved fine art to earn an additional 0.5 fine arts credit. In order to receive the credit, students must have 60 hours of involvement with the play, complete a supplemental fine arts form, and have the form signed by the play's director before submitting it to the counselor.

Semesters: 1 – Credits: 0.5

IMPACT

Grade 9-12

Impact is a week set aside each spring for students that is focused on student discipleship and preparation for impacting the world for Christ. There are numerous unique learning experiences offered each year ranging from day time classes and service projects to international ministry trips.

Semesters: 1 week each spring – Credits: 0.25 per year