

## 10<sup>th</sup> Grade Course Goals

- Bible:** This course will use Level D in the Bob Jones University Press Bible curriculum. The course will focus on the books of the Old Testament, with an emphasis on its thematic elements. The instructor will supplement the textbook with PowerPoint slides. Students will be expected to learn the major themes of the Bible books under consideration. Scripture memorization will be required. The goal of the course is to deepen the student's understanding of the major themes of the Old Testament, divided into three main categories: Prose, Poetry, and Prophecy.
- English II:** Subject matter for tenth grade English includes writing, grammar, literature and vocabulary. Students will expand their knowledge and skills of grammar, sentence structure and vocabulary. Concepts include: identifying parts of speech; noun, adverb, and adjective clauses; gerunds, infinitive, preposition, appositive, and participial phrases; pronoun verb agreement; sentence errors; capitalization; and punctuation. Students will implement these skills through their own writing. Tenth grade English students will reinforce writing skills by creating the following pieces: analytical essay; in-class essay; parallelism; critical response to literature; and research writing. Experiencing these forms of writing will enable them to demonstrate their growth as children of God. The course will focus on reading grade level appropriate novels and other forms of literature to improve comprehension skills; analyzing literature and interpreting literature's meaning; analyzing character development and making inferences about motivation; and comparing and contrasting types of literature. Students will be able to define and identify literary elements (such as setting, point of view, characterization, etc.) and respond to literature on a personal level. Students will understand the value of language and literature and see the importance of communication.
- World History:** This course is a survey of World History from Creation to modern times in the light of God's Word. Through the study of world history, students see the hand of God in the affairs of mankind and begin to understand their responsibility to fulfill the Creation Mandate. The ministry of the church is emphasized in discussions of politics, economics, science, and fine arts.
- Chemistry:** Chemistry will include a comprehensive study of chemistry through classroom discussion to help solidify the topics introduced. Laboratory exercises will be performed to reinforce classroom discussion. It will be taught from a Biblical worldview that stresses spiritual and academic growth.
- Algebra II:** In Algebra II, students learn mathematical concepts such as number systems, operations, functions, and trigonometry. They will begin to understand and appreciate the perfection of God and his creation, especially His created order in mathematics. In this course, students will develop critical thinking and reasoning skills in problem-solving situations as well as develop speed and accuracy in computation. This course will help equip students as they understand the value of mathematics for their Christian growth and service.
- Computer:** Students will use Google Classroom and Docs, Computer Programming, Google Drawings and Google Earth. Students will complete a PSAT prep course. Computer class assignments are often a direct extension of core curriculum content. Students will be assigned projects and presentations centered around their core curriculum, focusing on creating attractive and engaging presentations and slide shows. Students will learn techniques and methods that create productions beyond a standard slide show.

- Band: 7<sup>th</sup> – 10<sup>th</sup> grade Students will learn musical concepts and theory needed for their instrument. Students will participate in 2 concerts. Students will complete theory related worksheets for a grade. There will be practice records and performance tests as a grade.
- Spanish II: In Spanish II students learn to communicate their basic feelings, needs, and desires in most everyday contexts with reasonable grammatical accuracy, and become capable of conversing in a basic or brief conversation.
- Physical Education: In Physical Education, students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically-active lifestyle. The student exhibits a physically-active lifestyle and understands the relationship between physical activity and health throughout the lifespan. Foundations of Personal Fitness represents a new approach in physical education and the concept of personal fitness. The basic purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The knowledge and skills taught in this course include teaching students about the process of becoming fit as well as achieving some degree of fitness within the class. The concept of wellness, or striving to reach optimal levels of health, is the corner stone of this course and is exemplified by one of the course objectives-students designing their own personal fitness program.

## 10<sup>th</sup> Grade Curriculum

### English II (BJUP):

#### Parts of Speech (and Verbals)

Review of all from Grade 9 plus the following new material:

Verb—subjunctive mood

Pronoun—indefinite, relative, reciprocal

Adverb—conjunctive

Verbals—perfect gerund, passive infinitive

#### Mechanics

Capitalization; punctuation; appendix of spelling rules

#### Writing Skills

Review of all from Grade 9 plus the following new material:

Essay—choosing a mode

Sentence variety and emphasis— choosing between constructions, coordination and subordination

Sentence energy—action verbs, details, accuracy, figurative language

Sentence logic—logical comparison, clear comparison, subject placement

Research writing

#### Literature

American, British and World Literature

Critical approach

Three major unit divisions: marks of literature; modes of literature; forms of literature

Marks of literature: imaginative comparison; sound and syntax; thought and theme

Modes of literature: allusion; symbol; irony

Forms of literature: biography; fiction; lyric poetry; drama; personal essay

### Bible:

Messages from Prose

Messages from Poetry

Messages from Prophecy

### Spanish II (Holt McDougal):

Conjugate –ar ending verbs

Negation

Formation of plural verbs

Masculine and feminine articles

Construction and formation of interrogatives

Conjugating/understanding difference between ser/estar

Conjugation of conocer and saber

Conjugation of –er verbs

Construction and formation of 3<sup>rd</sup> person indirect object

Conjugation of –ir verbs

Use of me, te, se, and nos

Possessive forms of direct object and indirect object

Use of definite articles

Conjugation of regular, irregular and Stem-changing verbs

Formation of reflexive verbs to show emotion

Use of 1<sup>st</sup> person irregular verbs

Use Spanish in real life situations

Writing verbs in the present, preterite and future tense

### Chemistry (BJUP):

#### Foundations of chemistry

history, role, and potential of chemistry; a Christian perspective on studying science

#### Matter

states of matter, interactions with energy, phase changes

#### Measuring and calculating

measurement systems, SI units, significant digits in measurement and calculation, organized problem solving

#### Atomic structure

Historical development of atomic models, subatomic particles, orbitals, quantum numbers, orbital notation, electron configuration and isotopic notation

#### Elements

development of the modern periodic table, descriptive chemistry, periodic trends of atomic and ionic radius, electronegativity, electron affinity, ionization energy

#### Chemical bonds

causes and types of bonding, Lewis structures, formula units, properties of different kinds of compounds

#### Molecular Geometry

valence bond theory, molecular resonance, molecular orbital theory, valence shell electron pair repulsion theory, molecular shapes, polar covalent bonds

#### Chemical composition and reactions

oxidation numbers, writing formulas, chemical nomenclature, polyatomic ions, balancing chemical equations, types of reactions

#### Chemical calculations

the mole; structural, molecular, and empirical formulas; percent composition; stoichiometric conversions; limiting reactants; percent yield

#### Solutions

solution types, solvation, solubility, rate of solution, measuring concentration, colligative properties, colloids

#### Chemical thermodynamics

thermochemistry, enthalpy, specific heat, reaction tendency

#### Chemical equilibrium

Reversible and irreversible reactions, equilibrium concentrations, equilibrium constants, applications of equilibrium chemistry

#### Acids, bases, and salts

Properties of acids and bases, acid and base definitions, pH and pOH scales, neutralization, titrations, buffers

### World History (BJUP):

#### Geography

Chronological survey of physical and political geography

#### History

Chronological survey of world history from Creation to the present

#### Government

The relationship between Christians and the world's political systems

#### Economics

Comparative economics from both a historical and geographical perspective

#### Religion

Focus on Western, Judeo-Christian heritage, while also surveying the contributions of Asian, African, and Latin American cultures

#### Culture

Examination of how individuals have used their God-given talents in the fields of art, music, literature, and science



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## **Algebra II (BJUP):**

### **Operations**

Real numbers  
Polynomial operations  
Factoring

### **Linear equations and functions**

Solving equations and inequalities  
Absolute value equations and inequalities  
Compound inequalities  
Graphs  
Linear functions  
Slope  
Operations on functions  
Linear inequalities  
Distance  
Midpoint

### **Matrices**

Organizing Data  
Matrix Operations  
Determinants  
Cramer's Rule  
Solving Systems  
Transformations

### **Quadratic equations and functions**

Factoring  
Completing the Square  
Quadratic formula  
Quadratic inequalities  
Quadratic functions  
Transformations  
Zeros of a function  
Remainder and factor theorem  
Graphing polynomial functions

### **Systems**

Graphing  
Substitution  
Addition Method  
Systems of inequalities  
Linear programming

### **Radical and exponential functions**

Simplification  
Operations  
Equations  
Functions

### **Complex numbers**

Operations  
Solutions to quadratic equations  
Graphs of complex numbers  
Vectors

### **Rational expressions**

Simplifying  
Operations  
Functions and equations  
Direct and indirect variation

### **Trigonometry**

Right triangle trigonometry  
Special triangles  
Radians  
Unit Circle  
Trig functions and graphs  
Amplitude and period

BJUP – Bob Jones University Press