

EGCA 12th Grade Curriculum

ENGLISH IV

Grammar (BJU)

Review of grammar, the sentence, and mechanics
Dictionary skills
Diction and usage
Library skills

Composition

Paragraph, Theme, Outline, Paraphrase, Exposition,
Classification, Essay, Description, Character sketch,
Research paper, Book reports, Book review, and Letters

Vocabulary, Poetry

Vocabulary lessons
Poetry from the Romantic and Victorian periods

English Literature (BJU)

Writers and works from the following periods: Anglo-Saxon,
Medieval, Elizabethan, and Puritan the Eighteenth Century,
Romantic Period, Victorian Age, and Twentieth Century
Selections from *Beowulf*, *Canterbury Tales*, and *Paradise
Lost*, *Alice In Wonderland*
Complete play: *Macbeth*
Complete novels: *The Screwtape Letters*, *Animal Farm*

ECONOMICS (Abeka)

Everybody's Economics
Economists and Economic Laws
Factors of Productivity
Laws of Supply and Demand
Productive Market Economy
Good That Competition Does
Efficiency of Production
Why Everybody Needs to Save
What Money Is Good For
Government and the Economy
Successes and Difficulties in the Market Economy
Promise and Performance in the Command Economy
World's Distressed Economy
A Cheerful View of Our Economic Future

PHYSICS

Basic Concepts
Matter and Energy
Mathematics of Physics

Three States of Matter
Liquid, Gaseous, Solid

Mechanics

Velocity and Acceleration
Forces in Nature, Concurrent Forces
Motion in Two Dimensions
Work and Machines
Energy and Momentum
Rotation Motion, Gravitation

Thermodynamics

Heat
Laws of Thermodynamics

Wave Phenomena

Waves, Sounds, Music

Light

Nature of Light

Reflection of Light
Refraction of Light
Wave Optics

Electricity and Magnetism

Electrostatics, Magnetism
Current Generation, Ohm's Law
Load Characteristics
Electrical Devices

Modern Physics

Quantum Theory
Special Relativity
Light in Modern Technology
Electronics

MATHEMATICS

Trigonometry with Tables (Saxon)

Plane Trigonometry

Functions of an Acute Angle; Solution of Right Triangles
Trigonometric Functions of Any Angle
Radian Measure; Mil Measure
Line Values and Graphs of Functions
Fundamental Relations
Functions of Two Angles
Oblique Triangles

Analytical Geometry

Graphs of Functions
Fundamental Formulas
Straight Line
Circle
Polar Coordinates
Conic Sections
General Equation of the Second Degree in x and y
Miscellaneous Curves
Curves Representing Empirical Data
Coordinates in Space
Cylindrical, Spherical, and Polar Coordinates

SPANISH II or FRENCH II

Grammar
Conversations
Cultural readings
Stories from the life of Christ
Vocabulary
Composition
Interviews

BIBLE

ELECTIVE