

12th Grade

Social Studies

- * Principles of U. S. government
- * The democratic ideal
- * Basic documents of the U. S.
- * Agriculture in the U. S.
- * Urbanization
- * Conservation
- * Business and industry in the U. S.
- * American party system
- * Propaganda and public opinion
- * Comparative governments
- * Comparative economic systems
- * Consumer education
- * Crime and delinquency
- * Psychology
- * Labor-management relations
- * Economic concepts and theories
- * Taxation and finance
- * Distribution and exchange of goods and services
- * International relations
- * American foreign policy
- * International organizations
- * Public education
- * Women's role in today's society
- * Family economics and management

Science

- * Physics
- * Electricity and magnetism
- * Photoelectric effect
- * Heat
- * Light and optics
- * Sound and acoustics
- * Wave motion
- * Quantum theory
- * Relativity
- * Force
- * Mechanics
- * Space, time, and motion
- * Work, energy, and power
- * Electronics
- * Nuclear energy
- * Nuclear physics
- * Solid-state physics

Language Arts

- * English literature
- * Shakespeare
- * Literary, social, and political heritage of England
- * Literature of the 1900's
- * World literature
- * Cross-cultural literature
- * The theater

- * Nature of tragedy and comedy
- * Techniques of acting
- * Film as an art form
- * Critical and evaluative reading
- * Current periodical literature
- * Mass communication
- * Comparative study of mass media
- * Radio and television
- * Listening skills
- * Parliamentary procedures
- * Identifying verbals
- * Report writing
- * Writing social and business letters
- * Writing book reviews and essays
- * Writing term papers
- * Bibliography development

Mathematics

Calculus

- * Derivative of a function
- * Logarithmic and trigonometric functions
- * Indeterminate terms
- * Computation of derivatives
- * Rate of a change of quantity
- * Maxima and minima
- * Integrals
- * Length of curves
- * Volume and surface areas
- * Computer analysis of graphs

Advanced Algebra

- * Sets of numbers
- * Binomial theorem
- * Progressions
- * Complex numbers
- * Theory of equations
- * Permutations
- * Functions and their graphs
- * Combinations
- * Probability
- * Determinants
- * Inequalities
- * Matrix algebra
- * Mathematical inductions
- * The derivative

Probability and Statistics

- * Tabular data
- * Graphs
- * Measures of central tendency
- * Quartiles and percentiles
- * Measures of dispersion
- * Simple correlations
- * Statistical inference
- * Permutations
- * Combinations
- * Binomial theorem

