

# Curriculum Chart for Francis Scott Key High School

Created by Lauren McCarron

April 19, 2019

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|----------------|---|---|---|---|--|
| English        | <b>English 9</b><br>Heroes & Archetypes<br>Media Literacy<br>Shakespeare's Sonnets  | <b>English 10</b><br>Global Oppression<br>Ethical Choices<br>Shakespeare  | <b>English 11</b><br>Analyzing Artworks<br>Personal Journeys/Memoir<br>Emancipation   | <b>English 12</b><br>Finding a Voice<br>Be the Change/Activism<br>Personal Narrative, College Apps  | <b>AP Lang</b><br>Rhetorical Analysis<br>Argumentative Writing<br>Reading Essays   |
|                | <b>Mythology</b><br>Origin/Creation Myths<br>The Hero's Journey<br>Myths of Different Cultures  | <b>Public Speaking</b><br>Types of Speeches<br>Conquering Fear  | <b>Creative Writing</b><br>Short Stories<br>Poetry<br>Writing Process/Revision  | <b>Yearbook</b><br>Graphic Design<br>Interviews<br>Journalistic Law   | <b>AP Lit</b><br>Literary Criticism<br>Poetry<br>Shakespeare   |
| Social Studies | <b>Government/AP Government</b><br>The Constitution<br>Systems of Government<br>Citizens' Rights<br>Political Parties<br>Civil Rights & Civil Liberties | <b>US History/AP US History</b><br>Colonies & Revolution<br>Jacksonian Democracy<br>Civil War & Reconstruction<br>Populism & Progressivism<br>New Deal, Modern Society    | <b>World History/AP World Hist.</b><br>The Neolithic Revolution<br>Fall of the Roman Empire<br>Silk Roads<br>The Enlightenment<br>Industrial Revolution           | <b>AP European History</b><br>European Civilizations<br>Colonization & Effects<br>Historical Documents<br>Social & Political Forces in Modern Times | <b>American Rev./Civil War</b><br>Causes, Events, & Results of Both Conflicts<br>Major Battles, Leaders, & Weapons of Both Conflicts       |
|                | <b>Issues in American Society</b><br>Crime<br>Poverty<br>Aging<br>Death   | <b>AP Human Geography</b><br>Maps & Geospatial Data<br>Local vs Global Regions<br>Population, Culture Patterns<br>Economic Developments                                   | <b>Sociology</b><br>Components of Culture<br>Individuals in Society<br>Current Social Problems  | <b>AP Macroeconomics</b><br>Scarcity, Opportunity Costs<br>Comparative Advantage<br>Supply & Demand<br>The Market Economy                           | <b>Psychology/AP Psychology</b><br>Human Thought, Behavior<br>Theories of Psychology<br>Human Development<br>Personality, Psych. Disorders |
| Science        | <b>Conceptual Physics</b><br>Motion<br>Forces & Interactions<br>Energy<br>Electricity & Magnetism<br>Waves & Electromagnetic Radiation                  | <b>Chemistry I</b><br>Atomic Structure<br>Molecular Motion<br>Chemical Solutions<br>Chemical Bonding<br>Organic Chemistry   | <b>Biology</b><br>Cell Anatomy, Physiology, & Biochemistry<br>Cell Reproduction & Genetics<br>Classifying Living Things<br>DNA Technology & Related Issues        | <b>Chemistry II</b><br>Organic Chemistry<br>Physical & Biochemistry<br>Organic & Inorganic Compounds<br>Manufacture & Testing of Pharmaceuticals    |  |
|                | <b>Human Anatomy &amp; Physiology</b><br>The Skeleton & Body Functions<br>Respiration, Electrolyte Balance<br>Digestion, Regulation of Water            | <b>Aquatic Environmental Science</b><br>Water Ecosystems of Carroll County<br>Population Biology & Management<br>Pond & Stream Ecosystems<br>The Chesapeake Bay Ecosystem | <b>Terrestrial Environmental Science</b><br>Ecosystems & Biomes<br>Urban & Agricultural Land Use<br>Forestry & Waste Management<br>Alt. Energy & Carbon Footprint | <b>Science Research I-IV</b><br>Projects integrate science, technology, & society needs<br>Conducting Research using Databases                      |  |
|                | <b>AP Biology</b><br>Molecules & Cells<br>Heredity & Evolution<br>Organisms & Populations   | <b>AP Physics</b><br>Structure of Matter<br>Kinetic Theory of Gases<br>Chemical Equilibria & Kinetics<br>Thermodynamics   | <b>AP Environmental Studies</b><br>Interdependence of Earth's Systems<br>Human Population Dynamics<br>Renewable Energy Sources<br>Global Environmental Changes    | <b>AP Physics</b><br>Kinetics<br>Mechanics<br>Electricity/Magnetism<br>Waves  |  |
|                |   |   |   |   |  |
| Math           | <b>Algebra I</b><br>Graphing Equations<br>Linear, Exponential, & Quadratic Functions  | <b>Geometry</b><br>Transformations<br>Geometric Construction<br>2D & 3D Shapes  | <b>Algebra II</b><br>Functions<br>Trigonometric Ratios<br>Logarithms  | <b>Trigonometry/Pre-Calc</b><br>Trig. Functions<br>Sines & Cosines<br>Limits  | <b>AP Calculus AB/BC</b><br>Derivatives<br>Integrals<br>Advanced Calculus  |
|                |   |   |   |   | <b>Statistics/AP Statistics</b><br>Planning a Study<br>Probability<br>Statistical Interference   |
| Business       | <b>Accounting I/II</b><br>The Accounting Cycle<br>Business Transactions<br>Adjusting  | <b>Business Comm.</b><br>Hardware & Software<br>Digital Citizenship<br>Internet Use   | <b>Principles of Business</b><br>Global Business<br>Business Terminology  | <b>FACS</b><br><b>Child Development</b><br>Physical, Cognitive, & Psychosocial Theories<br>Running a Preschool                                      | <b>Intro/Advanced Foods</b><br>Nutrition<br>Meal Planning<br>Careers in Foods  |
|                |   |   |   |   | <b>Financial Literacy</b><br>Income/Spending/Credit<br>Money Management<br>Saving & Investing  |
| Visual Art     | <b>Art I</b><br>Elements of Art<br>Principles of Design<br>Visual Culture<br>Working from Observation   | <b>Art II</b><br>Drawing<br>Printmaking<br>Design<br>3D Art   | <b>Ceramics</b><br>Hand-Building Techniques<br>Kiln Firing Procedures<br>Potter's Wheel<br>Art Appreciation   | <b>Digital Photography</b><br>Camera Operation<br>Composition<br>Lighting<br>Historical Examples  | <b>Honors Studio Art</b><br>Drawing, Painting, Printmaking, Sculpture<br>Aesthetic Thinking Skills<br>Art Portfolio                        |
|                |   |   |   |   | <b>AP Studio Art</b><br>Personal Artistic Discovery<br>Visual Principles<br>Material Techniques<br>Form & Content                          |
| Music          | <b>Concert Band/Orchestra</b><br>Traditional Band Literature<br>Musical Instrument Performance<br>Historical Background of Music                        | <b>Hon. Jazz Ensemble</b><br>Music Theory<br>Jazz History & Artists<br>Stylistic Elements of Performance  | <b>Chorus</b><br>Traditional Choral Literature<br>Technical Singing Skills<br>Historical Background of Music  | <b>Electronic Music</b><br>Musical Notation<br>Composition<br>Digital Sequencing  | <b>AP Music Theory</b><br>Music Theory Skills: Aural, Sight Singing, Written, Compositional, Analytical                                    |
|                |   |   |   |   |  |
| Drama          | <b>Drama I</b><br>History of Theatre<br>Terminology<br>Theatre Games, Mime<br>Scene Study   | <b>Drama II</b><br>Scene Study, Monologues<br>Auditioning Techniques<br>Video Production<br>Makeup, Publicity   | <b>Hon. Theater Production</b><br>Script Analysis<br>Rehearsal<br>Public Performance  | <b>Spanish I, II, III, IV, AP</b><br>Spanish Grammar<br>Spanish Vocabulary<br>The Hispanic World<br>Literature, History, Art                        | <b>Script, Video Production</b><br>Digital Video<br>Writing Scripts<br>Digital Imaging<br>Sound  |
|                |   |   |   |   |  |
| Ag.            | <b>Agricultural Mechanical Tech.</b><br>Safety, Tools ID & Use<br>Construction, Electrical, Masonry<br>Systems<br>Surveying, Water Managing             | <b>CASE Agricultural Science</b><br>Veterinary Science<br>Animal Husbandry<br>Agricultural Plant Sciences<br>Biotechnology  | <b>Environmental Conservation</b><br>Conservation Management:<br>Water, Soil, Air, Forests,<br>Wetlands, Aquatic Life   | <b>Flower Design</b><br>Flower Design with Live Flowers,<br>Fabric, Dried & Pressed Flowers   | <b>Wildlife Management</b><br>Animal Identification<br>Habitats & Habitats<br>Food Chain<br>Public Policies & Laws                         |
|                |   |   |   |   |  |
| PE Health      | <b>PE I</b><br>Fitness<br>Throwing & Catching<br>Striking<br>Speed/Timing/Accuracy  | <b>Individual/Dual Sports</b><br>Archery, Badminton, Golf,<br>Handball, Pickle-Ball, Table<br>Tennis, Tennis, Bowling,<br>Horseshoes                                      | <b>Team Sports</b><br>Basketball, Field Hockey,<br>Flag Football, Floor Hockey,<br>Soccer, Lacrosse, Softball,<br>Volleyball, Ultimate Frisbee                    | <b>Personal Fitness</b><br>Self-Maintenance Skills<br>Yoga, Pilates, Flexibility,<br>Walking, Step Aerobics, Tae-<br>Bo, Aerobics                   | <b>Weight Training</b><br>Endurance<br>Strength Training<br>Agility<br>Aerobic Activities  |
|                |   |   |   |   | <b>Health I/II</b><br>Mental/Emotional Health<br>Alcohol, Tobacco, Drugs<br>Family Life/Sexuality<br>Disease Prevention/Control            |
| Tech.          | <b>Foundations of Tech.</b><br>Agriculture & Biotech<br>Info & Comm. Tech<br>Manufacturing Technology<br>Power & Energy Tech                            | <b>Exploring Computer Sci.</b><br>Algorithm Development<br>HTML & Python Programs<br>Societal & Ethical Issues  | <b>Advanced Design</b><br>Manufacturing Technology<br>Energy & Power<br>Construction Technology<br>Transportation Technology                                      | <b>Technological Design</b><br>Researching, Developing,<br>Testing, & Analyzing<br>Engineering Designs  | <b>Tech Issues &amp; Impacts</b><br>Impacts of Technology<br>Ethical Issues<br>Unintended Consequences<br>Alternative Solutions            |
|                |   |   |   |   | <b>AP Computer Science</b><br>Programming, Algorithms<br>Big Data<br>Digital Privacy & Security<br>Societal Impacts                        |