OSI AIEP Curriculum Outline

Presently we are serving students grades 6-12 in Delaware, Florida, Maryland, the District of Columbia, and Virginia. Please find your state and curriculum listed below.

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| **DELAWARE** | | | | |
| GRADE | SUBJECT | | | |
| Math | English Language Arts | Social Studies | Science |
| GRADE 6 | * Ratios and Proportional Relationships * The Number System * Expressions and Equations * Geometry * Statistics and Probability | * Reading * Writing * Speaking * Listening | * Economics * Civics * Geography * History * American political system * Declaration of Independence * United States Constitution * Federalist Papers | * Earth Systems * Solar System |
| GRADE 7 | * Ratios and Proportional relationships * Arithmetic of rational numbers | * Reading * Writing * Speaking * Listening | * Civics * Economics * Geography * History | * Cells * Molecular Structure * Natural Selection * Effects of thermal energy |
| GRADE 8 | * Linear algebra and Linear functions | * Reading * Writing * Speaking * Listening | * Civics * Economics * Geography * History | * Energy Transfer * Waves & Electromagnetic radiation * Matter & energy in organisms and ecosystem |
| GRADE 9  GRADE 10  GRADE 11  GRADE 12 | * Algebra and functions * Geometry and Trigonometry * Statistics and Probability * Discrete mathematics | * Reading * Writing * Speaking | * Function of American government * Constitutional role of political parties * Citizenship | * Physical/ Earth science * Biological * Earths natural resource vs. human needs for technology |

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| **FLORIDA** | | | | |
| GRADE | SUBJECT | | | |
| Math | English Language Arts | Social Studies | Science |
| GRADE 6  GRADE 7  GRADE 8 | * Number Sense, Concepts, Operations * Measurements * Geometry and Spatial sense * Algebraic thinking * Data Analysis and Probability | * Reading * Writing * Speaking * Listening * Viewing * Language * Literature | * Time, Continuity, and Change * People, Places, and Environment * Geography and the Citizen * Civics and government * Economics | * The nature of Matter * Energy * Force and Motion * Processes that shape the earth * Processes of life * The Nature of Science |
| GRADE 9  GRADE 10  GRADE 11  GRADE 12 | * Reasoning with equations * Interpreting functions * Algebra 1-2 * Geometry and trigonometry * Statistics and probability | * Intensive language * Reading * Creative writing * Speech * Journalism | * Time, Continuity, and Change * People, Places, and Environment * Government and the citizen * Government * Economics | * Physical Sciences * Earth/Space Sciences * Biological Sciences * Integrated Sciences |

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| **DISTRICT OF COLUMBIA** | | | | |
| GRADE | SUBJECT | | | |
| Math | English Language Arts | Social Studies | Science |
| GRADE 6  GRADE 7  GRADE 8 | * Ratios and Proportional Relationships * The Number System * Expressions and Equations * Functions * Statistics and Probability | * Reading Literature * Reading informational text * Reading Foundational Skills * Writing * Speaking and Listening * Language | * World Geography and Cultures * World History and Geography: Ancient World * U.S History and Geography: Growth and Conflict | * Earth Science * Life Science * Physical Science * Engineering and Technology |
| GRADE 9  GRADE 10  GRADE 11  GRADE 12 | * Algebra 1-3 * Number and Quantity * Functions * Modeling * Geometry * Statistics & Probability | * Reading Literature * Reading informational text * Writing * Speaking & Listening * Language | * World History * Geography 1-2 * Principles of U.S Government | * Earth science * Life Science * Physical science * Engineering and Technology |

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| **MARYLAND** | | | | |
| GRADE | SUBJECT | | | |
| Math | English Language Arts | Social Studies | Science |
| GRADE 6  GRADE 7  GRADE 8 | * Ratios and Proportional Relationships * The Number System * Expressions and Equations * Geometry * Statistics and Probability * Functions | * Reading Literature * Reading informational text * Reading Foundational skills * Writing * Speaking and Listening * Language | * Economics * Civics * Geography * History * Peoples of the Nation and World | * Physical Science * Life Science * Earth and Space Sciences * Engineering * Technology and Applications of Science |
| GRADE 9  GRADE 10 GRADE 11  GRADE12 | * Algebra 1 * Algebra 2 * Geometry | * Reading Literature * Reading informational text * Reading Foundational skills * Writing * Speaking and listening * Language | * United States History * Modern World History | * Physical Science * Life Science * Earth and Space Sciences * Engineering * Technology and Application of Science |

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| **VIRGINIA** | | | | |
| GRADE | SUBJECT | | | |
| Math | English Language Arts | Social Studies | Science |
| GRADE 6  GRADE 7  GRADE 8 | * Patterns, Functions, and Algebra * Probability and Statistics * Measurement and Geometry * Computation and Estimation * Number and Number Sense | * Communication: speaking, listening, media literacy * Reading * Writing * Research | * United States History: 1865- Present | * Scientific investigation, Reasoning, and Logic * Force, Motion, and Energy * Matter * Living Systems * Interrelationships in Earth/ Space systems * Earth resources |
| GRADE 9  GRADE 10  GRADE 11  GRADE 12 | * Algebra 1-2 * Algebra, Functions and Data Analysis * Geometry * Trigonometry * Computer mathematics * Probability and Statistics | * Communication: speaking, listening, media literacy * Reading * Writing * Research | * World History and Geography, I -from ancient times to 1500 * World History and Geography II- 1500 to contemporary times | * Biology * Chemistry * Physics |