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 | EnglishLanguage 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 9GRADE 10GRADE 11GRADE 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 | EnglishLanguage Arts | Social Studies | Science |
| GRADE 6GRADE 7GRADE 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 9GRADE 10GRADE 11GRADE 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 | EnglishLanguage Arts | Social Studies | Science |
| GRADE 6GRADE 7GRADE 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 9GRADE 10GRADE 11GRADE 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 | EnglishLanguage Arts | Social Studies | Science |
| GRADE 6GRADE 7GRADE 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 9GRADE 10 GRADE 11GRADE12 | * 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 | EnglishLanguage Arts | Social Studies | Science |
| GRADE 6GRADE 7GRADE 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 9GRADE 10GRADE 11GRADE 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
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