

**ADAMS COUNTY/OHIO VALLEY SCHOOL DISTRICT
POWER STANDARDS (INDICATORS)**



**MATH
GRADE ELEVEN-TWELVE**

Standard – Number, Number Sense and Operation

Use vector addition and scalar multiplication to solve problems.

Use matrices to represent given information in a problem situation.

Standard – Measurement

Calculate distances, areas, surface areas and volumes of composite three-dimensional objects to a specified number of significant digits. Solve real-world problems involving area, surface area, volume and density to a specified degree of precision.

Standard – Geometry and Spatial Sense

Use trigonometric relationships to determine lengths and angle measures; i.e., Law of Sines and Law of Cosines.

Identify, sketch and classify the cross sections of three-dimensional objects.

Standard – Patterns, Functions, and Algebra

Identify and describe problem situations involving an iterative process that can be represented as a recursive function; e.g., compound interest.

Solve equations involving radical expressions and complex roots.

**ADAMS COUNTY/OHIO VALLEY SCHOOL DISTRICT
POWER STANDARDS (INDICATORS)**



**MATH
GRADE ELEVEN-TWELVE**

Standard – Data Analysis and Probability

Analyze and interpret univariate and bivariate data to identify patterns, note trends, draw conclusions, and make predictions.