

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



**MATH
GRADE EIGHT**

Standard – Number, Number Sense and Operation

8-NS-1 Estimate, compute, and solve real world problems involving rational and irrational numbers.

Standard – Geometry and Spatial Sense

8-GS-1 Analyze characteristics and properties of two-and three- dimensional figures including symmetry and nets. Analyze rotations, tessellations, transformations.

8-GS-2 Solve-problems involving two-and three- dimensional figures including angle's of a polygon.

Standard – Patterns, Functions and Algebra

8-A-1 Write simplify, interpret, and evaluate, algebraic expressions/equations.

8-A-2 Solve and graph linear quadratic equations.

Standard – Measurement

8-M-1 Use customary and metric units to solve real problems.

8-M-2 Demonstrate understanding of the concepts of perimeter, circumference, and area by using established formulas for triangles, quadrilaterals, and circles to determine the surface area and volume of prisms, pyramids, cylinders, spheres, and cones. (Note: only volume should be calculated for spheres and cones).

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**MATH
GRADE EIGHT**

Standard – Data Analysis and Probability

8-DAP-1 Compute problem of compound events, independent events, and simple dependent events.

8-DAP-2 Collect, organize, create, and interpret graphical displays and statistical measures to analyze data.