

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



**MATH  
GRADE SIX**

**Standard – Number, Number Sense and Operations**

Use the order of operations, including the use of exponents, decimals and rational numbers, to simplify numerical expressions.

Perform fraction and decimal computations and justify their solutions.

Use proportional reasoning, ratios and percents to represent problem situations and determine the reasonableness of solutions.

**Standard – Measurement**

Understand and describe the difference between surface area and volume.

Determine which measure (perimeter, area, surface area, volume) matches the context for a problem situation.

**Standard – Geometry**

Use standard language to define geometric vocabulary: vertex, face, altitude, diagonal, isosceles, equilateral, acute, obtuse, and other vocabulary as appropriate.

Predict and describe sizes, positions and orientations of 2-dimensional shapes after transformations such as reflections, rotations, translations, and dilations.

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**Standard – Patterns, Functions and Algebra**

Represent and analyze patterns, rules and functions, using physical materials, tables and graphs.

Evaluate simple expressions by replacing variables when given values and use formulas in problem-solving situations.

**Standard – Data Analysis and Probability**

Read, construct, and interpret line graphs and histograms.

Understand the different information provided by measures of center (mean, mode, median) and measures of spread (range).

Design an experiment to test a theoretical probability and explain how the results may vary.