

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



**SCIENCE
GRADE EIGHT**

Standard – Earth and Space Science

Describe how objects in the solar system are in regular and predictable motions that explain such phenomena as days, years, seasons, eclipses, tides, and moon cycles.

Examine the life cycle of a star and predict the next likely stage of a star.

Use models to analyze the size and shape of Earth, its surface and its interior (e.g., globes, topographic maps, satellite images).

Describe how landforms are created through a combination of destructive (e.g., weathering and erosion) and constructive processes (e.g., crustal deformation, volcanic eruptions and deposition of sediment).

Standard –Life Science

Investigate how an organism adapted to a particular environment may become extinct if the environment, as shown by the fossil record, changes.

Standard – Physical Science

Explain that motion describes the change in the position of an object (characterized by a speed and direction) as time changes.

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**SCIENCE
GRADE EIGHT**

Demonstrate that waves transfer energy.

Standard – Science and Technology

Design and build a product or create a solution to a problem given more than 2 constraints (e.g., limits of cost and time for design and production, supply of materials, and environmental effects).

Standard – Scientific Inquiry

Choose the appropriate tools or instruments and use relevant safety procedures to complete scientific investigations.

Read, construct, and interpret data in various forms produced by self and others in both written and oral form (e.g., tables, charts, maps, graphs, diagrams, symbols).

Standard – Scientific Ways of Knowing

Identify the difference between description (e.g., observation and summary) and explanation (e.g., inference, prediction, significance and importance).