



## Sixth Grade Physical Science Instruction in the West Shore School District

Physical Science instruction in the West Shore School District is aligned to the PA Core Standards and identified best practices. We utilize a variety of strategies and differentiate our instruction to meet the needs of all learners. Technology and 21<sup>st</sup> Century Skills are thoughtfully woven into our lessons and units of instruction. This document is meant to offer an overview of important concepts within Physical Science.

### Best Practices in 6th Grade Physical Science:

- Emphasis on content and application in accordance with topics in Physical Science.
- Emphasis on mastery of underlying concepts that relate to the study of matter, energy, heat, forces, simple machines and the conservation of energy.
- Hands-on investigation and analysis of the above topics by guiding students in active and extended laboratory exercises.
- Emphasis on understanding scientific concepts through the use of technology.
- Evaluation that focuses on scientific processes and attitudes through authentic tasks and attention to varied learning styles and needs.

### Skills and Concepts:

- Scientific Method
- Metric Measurement
- Matter/Atoms
- Heat/Temperature
- Simple Machines
- Forces
- Motion
- Energy
- Electricity

### Assessments:

WSSD utilizes a variety of assessments to monitor student growth and achievement. Our teachers engage in daily informal formative assessments to make timely decision about whether a student understands the material and concepts being presented. We also utilize several summative assessments to determine if a student as mastered grade level skills and standards.

*Some of the assessment utilized are:*

[Assessment Anchors](#)

### Materials and Resources:

WSSD utilizes a variety of resources to meet all learners' needs. Physical Science by Holt Science and Technology.

### Parent Resources:

[Think Central](#)

[Jefferson Lab](#)

[chem4kids](#)

[Mikids](#)

[School for Champions](#)

[Phet](#)

### Suggested Field Trips:

York County Solid Waste Authority

[Lancaster Science Factory](#)