

Alignment to Standards

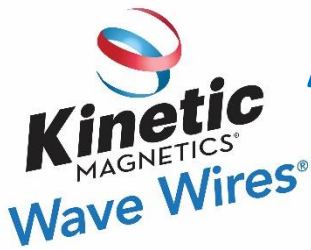
The lessons in the Kinetic Magnetics® Wave Wires® Activity Booklet (included in #731110 Magnet Set) align with the following U.S. education standards for grades 3-8:

Next Generation Science Standards

- Structure and Properties of Matter
- Forces and Motion
- Types of Interaction
- Definitions of Energy
- Conservation of Energy and Energy Transfer
- Relationship between Energy and Forces
- Energy in Chemical Processes and Everyday Life
- Wave Properties
- Electromagnetic Radiation
- Information Technologies and Instrumentation
- Structure and Function
- Natural Resources
- Natural Hazards
- Human Impacts on Earth Systems
- Global Climate Change
- Defining and Delimiting an Engineering Problem
- Developing Possible Solutions
- Optimizing the Design Solution
- Patterns
- Cause and Effect
- Scale, Proportion, and Quantity
- Systems and System Models
- Energy and Matter
- Structure and Function
- Stability and Change
- Interdependence of Science, Engineering, and Technology
- Influence of Engineering, Technology, and Science on Society and the Natural World

Common Core State Standards

- Math: Operations and Algebraic Thinking, Measurement and Data, Geometry, Expressions and Equations
- English Language Arts: Reading Informational Text, Writing, Speaking and Listening, Language



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The lessons in the Kinetic Magnetics® Wave Wires® Teacher's Guide (included in #731111 Magnet Station and #731112 Magnet Station Pack) align with the following U.S. education standards for grades 3-8:

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