Science A–Z

MAGNETS (K–2)

Correlation of Resources to National Science Standards

Use the chart below to discover how selected Science A–Z resources in the Magnets unit support certain Next Generation Science Standards (NGSS). While a single reading resource, science activity, comprehension support, or lesson cannot satisfy an entire Performance Expectation, using these resources together can help students develop the understandings and abilities they will need in order to satisfy each standard listed below. Most standards cited align with the grade level of this Science A–Z unit. For a reverse correlation tool that connects the standards to resources, visit our NGSS correlations page: www.sciencea-z.com/main/NextGenerationScienceStandards.*

Check the Performance Expectations Key below this chart for the complete text of the standards cited for each resource.

Resource Type	Resource Title	Performance Expectations
Unit Nonfiction Book	*Magnets* (3 reading levels)	**K-PS2-1; 2-PS1-2; 3-PS2-3; 3-PS2-4**
Process Activity	*Magnetic Nails*	**2-PS1-2; K-2-ETS1-3; 3-PS2-3; 3-PS2-4**
FOCUS Book	*Magnets in Toys*	**K-2-ETS1-1; 3-PS2-3; 3-PS2-4**
FOCUS Book	*Finding North*	**3-PS2-3**
FOCUS Book	*Magnet Magic*	**K-2-ETS1-1; 3-PS2-3; 3-PS2-4**
FOCUS Book	*Magnets in the Home*	**K-2-ETS1-1; 3-PS2-3; 3-PS2-4**
FOCUS Book	*Magnetic Rocks*	**K-2-ETS1-3; 2-PS1-1; 3-PS2-3**
Investigation Pack	Topic: Properties of Magnets I. Files: *Magnets in Recycling; Magnets at Work; Magnets in the Kitchen; Weird and Wonderful Magnets* Mystery File: *Money and Magnets*	**K-PS2-1; 2-PS1-1; 2-PS1-2; 3-PS2-3; 3-PS2-4**
Debate	*Trash Pick-Up*	**2-PS1-2; K-2-ETS1-3; 3-PS2-4**
Science Video	*All About Magnets*	**K-PS2-1; 3-PS2-2; 3-PS2-3**
Science Video	*Maglev Scooter*	**K-PS2-1; 3-PS2-2; 3-PS2-3**
Science Video	*Magnets*	**K-PS2-1; 2-PS1-1; 3-PS2-3**
Science Video	*Magnets in Everyday Objects*	**2-PS1-1; 3-PS2-3**
Science Video	*Making Electromagnets*	**3-PS2-3; 3-PS2-4**
Science Video	*Using Magnets*	**3-PS2-3; 3-PS2-4**
Career Files	*Maglev Train Conductor; Appliance Repair Person; Scrap Metal Recyclers*	**2-PS1-2; 3-PS2-2; 3-PS2-3; 3-PS2-4**

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Resource Type	Resource Title	Performance Expectations
Quick Read	*Big, Strong Magnets* (3 reading levels)	**K-PS2-1; 3-PS2-3**
Quick Read	*Earth's Changing Magnetic Poles* (3 reading levels)	**3-PS2-3**
Concept Books	*So Many Magnets!; Magnets Are Everywhere; Can a Magnet Pull This?; Magnets in Action;*	**K-PS2-1; 2-PS1-2; 3-PS2-2; 3-PS2-3**
Science Diagram	*Magnets Attract and Repel*	**3-PS2-3**

Performance Expectations Key

K-PS2-1. Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object.

2-PS1-1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.

2-PS1-2. Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.

K-2-ETS1-1. Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.

K-2-ETS1-3. Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.

3-PS2-2. Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion.

3-PS2-3. Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other.

3-PS2-4. Define a simple design problem that can be solved by applying scientific ideas about magnets.