



First Grade Curriculum Pacing Guide
Magnets

Crosscutting Concepts: Patterns, Cause and Effect, Matter and Energy

Topics: How magnets are used everyday

Estimated Time: 4 Weeks

Anchoring Phenomenon	Standard	Instructional Segment	Disciplinary Core Ideas	Science and Engineering Practices	Instructional Notes
<p>Magnets can attract (pull) and repel (push) other magnets. Magnets are attracted to magnetic objects.</p>	<p>S1P2. a, b</p>	<p>To Attract or Not Attract</p>	<p>From <i>A Framework for K-12 Science Education:</i> By the end of grade 2</p> <p>PS2.B Types of Interactions</p> <ul style="list-style-type: none"> When objects touch or collide, they push on one another and can change motion or shape. Electric, magnetic, and gravitational forces between a pair of objects do not require that the objects be in contact--for example, magnets push or pull at a distance. 	<ul style="list-style-type: none"> Planning and carrying out investigations Constructing explanations and designing solutions Obtaining, evaluating, and communicating information 	<p>Background: <i>Alert! Never allow magnets near any electronic devices, cards with magnetic strips or computers and their monitors!</i></p> <p>By the end of this unit, students are using the following language in their speaking and writing during EXPLAIN or ELABORATE:</p> <ul style="list-style-type: none"> Magnets Push Pull Repel Attract Magnetic object