



# Mostly Magnets

**Provided by:**

Iowa State University Extension  
and Outreach, Scott County  
875 Tanglefoot Lane  
Bettendorf, Iowa 52722  
563-359-7577  
[www.extension.iastate.edu/scott](http://www.extension.iastate.edu/scott)

Information	Program Description
Kindergarten-5th Grade	"Mostly Magnets" is a curriculum that introduces students to physical science and various scientific terms through the use of magnets.
Curriculum Format	<p>Each lesson can be presented in 45-60 minutes.</p> <p>Teaching Guide with complete instructions is provided.</p> <p>Teaching Kit with materials needed to present lessons is provided. User may need to provide standard classroom supplies (pencils, scissors, glue). If a lesson requires perishable items (e.g. milk), user is responsible for these purchases.</p>
Lesson	Overview
<b>One: What Sticks to a Magnet?</b>	<p>Students test various materials to see what sticks to a magnet.</p> <p>Students sort objects manually and then discover the increased efficiency of sorting them magnetically.</p> <p>Students explore the mass of small and large paper clips caught by a magnet.</p>
<b>Two: Holding Power</b>	<p>Students test the "muscle strength" or supporting power of the magnetic poles using a variety of shaped magnets.</p> <p>Students compare the magnetic strength of separate magnets with the magnetic strength of multiple-unit magnets.</p>
<b>Three: Magnetic Poles</b>	<p>Students explore what part of a magnet has the strongest attracting ability.</p> <p>Students use pairs of magnets to discover how like and unlike poles react to one another.</p> <p>Students discover magnetic force as both a contact and non-contact force, identify gravity as a non-contact force, and describe a magnet's position relative to another magnet.</p> <p>Students explore the attraction and repulsion of magnets.</p>

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Lesson	Overview
<b>Four: Through It All</b>	<p>Students experiment to see if magnetism can pass through a variety of materials and thicknesses.</p> <p>Students explore and measure through how many pieces of paper a magnet can maintain observable magnetic interaction with a paper clip.</p> <p>Students explore whether magnets can attract through other elements like water, plastic and glass.</p>
<b>Five: Making Magnets</b>	<p>Students will see what the magnetic field looks like using iron filings.</p> <p>Students measure, record and experiment with how close a magnet needs to be before it moves a paper clip.</p> <p>Students make magnets and use staples to quantify the magnetic strength of the magnets they make.</p> <p>Students construct a magnetic compass with a magnetized needle.</p>
<b>Six: Magnet Mayhem Day</b>	<p>Students experiment with magnets, try new magnetic activities and play games with magnets.</p>

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