

Magnificent Magnets

Overview

Overall Goal: Children engage in investigative activities that encourage them to explore how magnets interact with common magnetic and nonmagnetic objects.

Lesson	Objective	Vocabulary	Key Concepts	Tools
#1: What Does a Magnet Do?	Children will classify objects as magnetic or nonmagnetic.	attract horseshoe magnet magnet magnetic/nonmagnetic pull	<ul style="list-style-type: none">• Magnets pull, or attract, some objects.• An object that is magnetic can pull, or attract, a magnet.• Objects that are not attracted by a magnet are called nonmagnetic.	magnets
#2: Mighty Magnets	Children will explore magnets and classify their magnetic strength.	magnetic force strength strong/stronger	<ul style="list-style-type: none">• Some magnets are stronger than other magnets.• Magnets come in many different shapes and sizes.	magnets
#3: Push and Pull	Children will learn about the push and pull of magnetic force.	bar magnet push/pushed repel/repelled	<ul style="list-style-type: none">• Magnets can push, or repel, each other.• Magnetic force is invisible. You cannot see it or touch it.• Magnetic force can attract or repel without directly touching an object.	magnets
#4: Powerful Forces	Children will test and compare magnetic strength and force.	force between material thin thick	<ul style="list-style-type: none">• Magnetic force is all around a magnet.• Some magnetic forces are stronger than others and can work through layers of various materials.	magnets