

Magnetic Forces & Design

Objectives:

- assess their prior knowledge about magnetism
- gather information about factors that affect magnetism
- work together to determine what affects the magnetic field
- revise their thinking about the factors that affect magnetic fields
- draw diagrams to show the magnetic field
- apply their new knowledge to a new situation
- engage in an engineering design challenge to solve a problem
- will evaluate their understanding
- engage in respectful dialogue to express their ideas



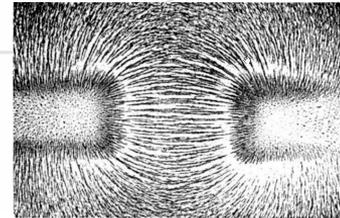
Number of Paperclips

16				
14				
12				
10				
8				
6				
4				
2				
	1 Bar Magnet	2 Bar Magnets	1 Round Magnet	2 Round Magnets



**DC: Build
a Metal
Mover
Machine**

<http://viewpure.com/z3r70tJBxsM?start=0&end=0>



Next Step: Think about magnetism. What is the next thing you would like to learn about?