



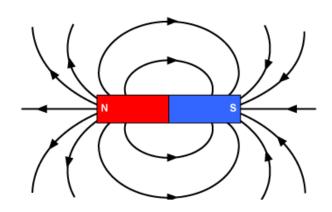
Overview

- 5 min: Intro
- 15 min: Magnetic Fields
- 5 min: Activity
- 15 min: Magnetic Levitation
- 5 min: Activity
- 5 min: Q & A





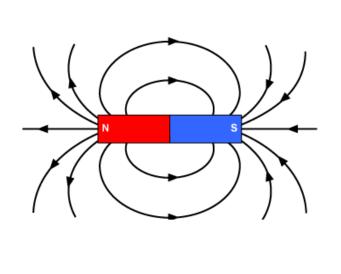
What is a magnetic Field?

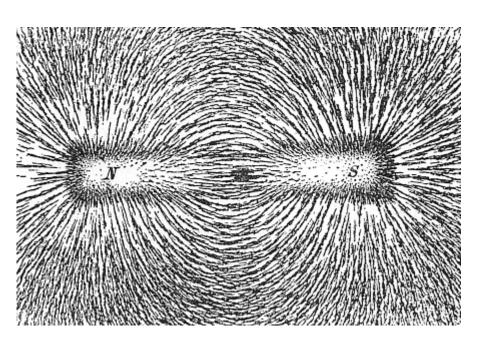






What is a magnetic Field?

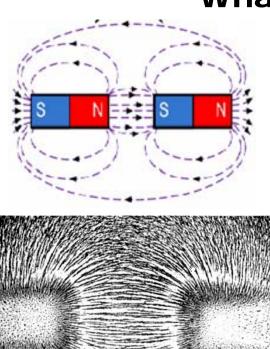


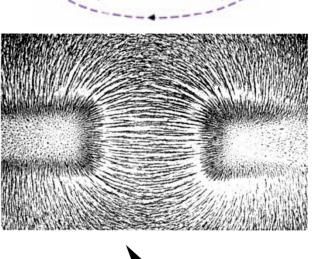


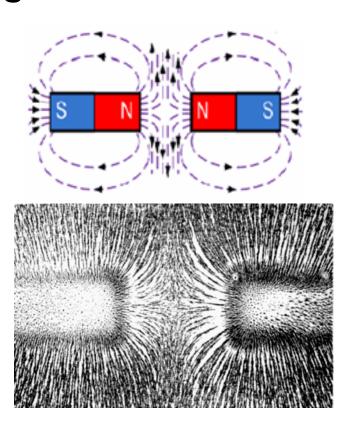




What is a Magnetic Field?



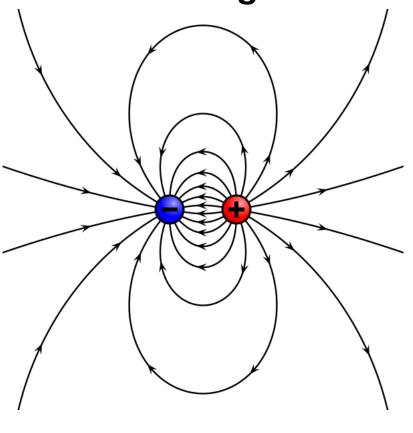








What is a Magnetic Field?

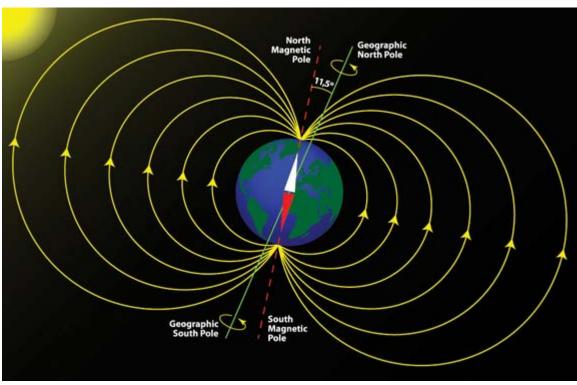






What is A Magnet?

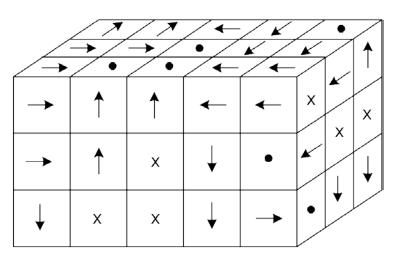








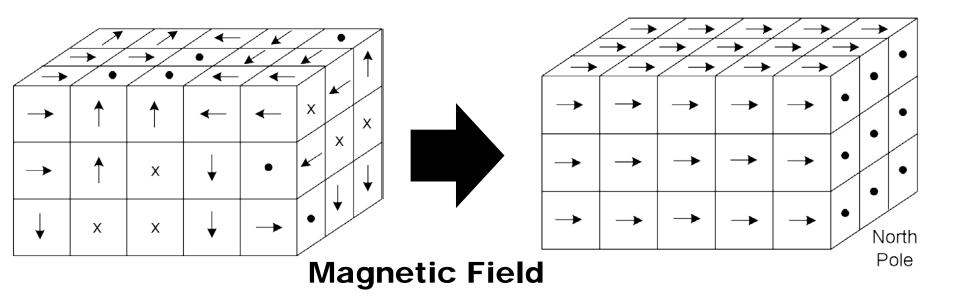
How do we Magnetize things?







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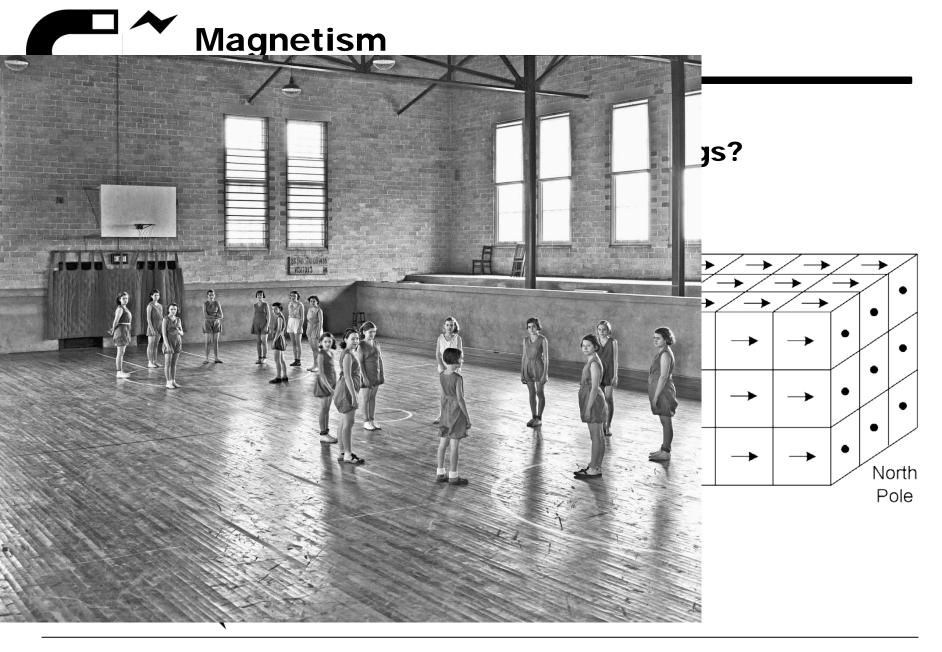
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Intro

Magnetic Fields

Activity 1

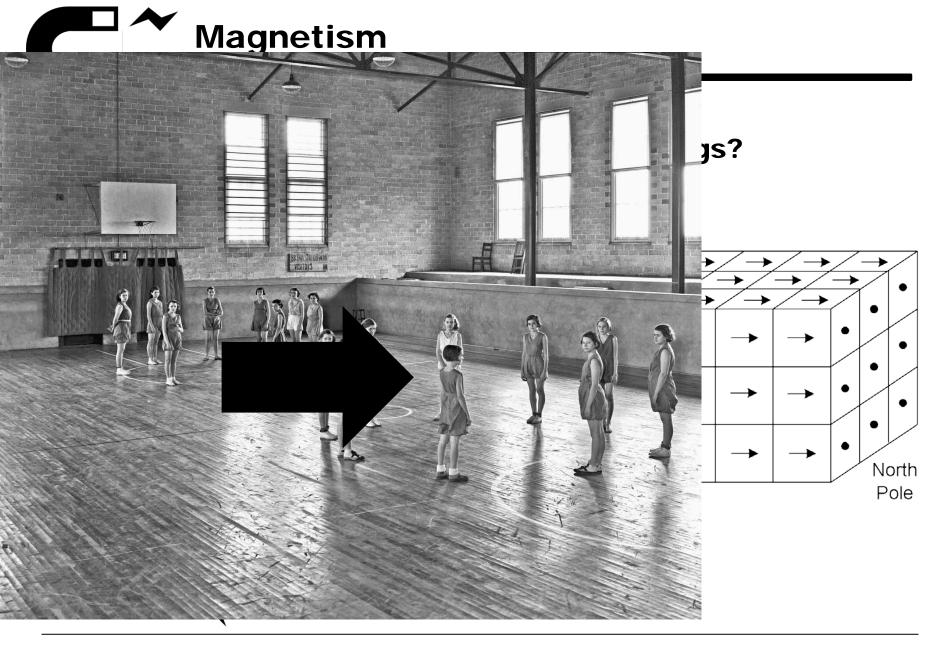
Magnetic Levitation Activity



Intro **Magnetic Fields**

Activity 1

Magnetic Levitation Activity

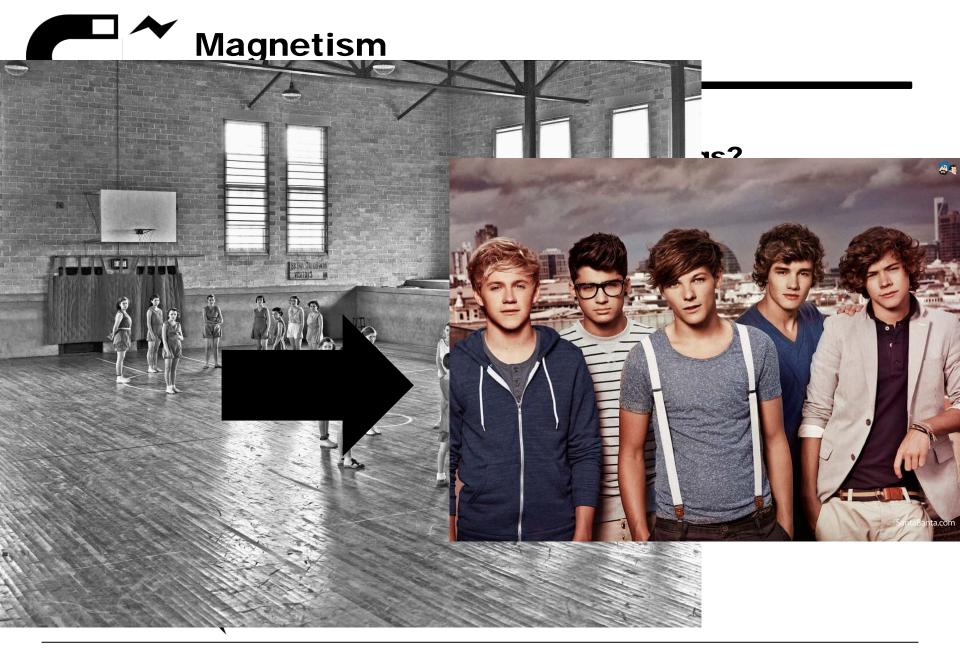


Intro N

Magnetic Fields

Activity 1

Magnetic Levitation Activity



Intro Magnetic Fields

Activity 1

Magnetic Levitation Activity



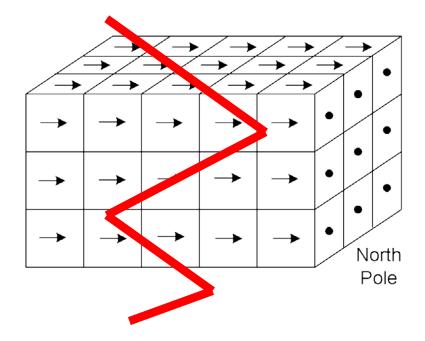
Breaking a magnet?







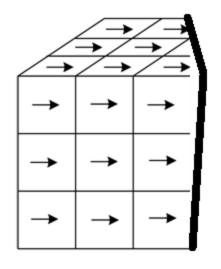
Breaking a magnet?

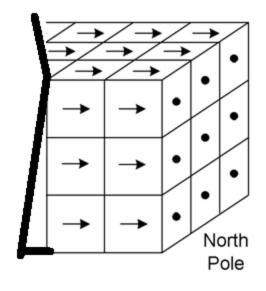






Breaking a magnet?



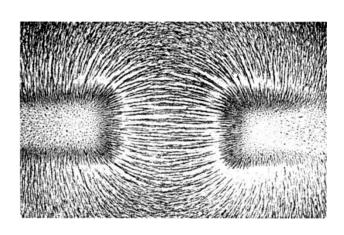


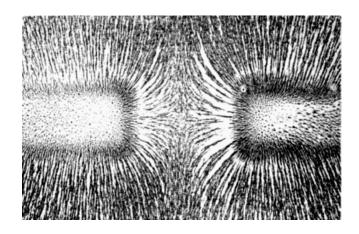


Magnetic Field Lines Activity

Students were asked to attempt to replicate the pictures below with their own magnets and iron fillings.

Activity was approximately 10 minutes long.



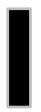




Magnetic Field Lines Activity

Why do the fillings stand on end?

Where is the alignment of the poles of the magnets?

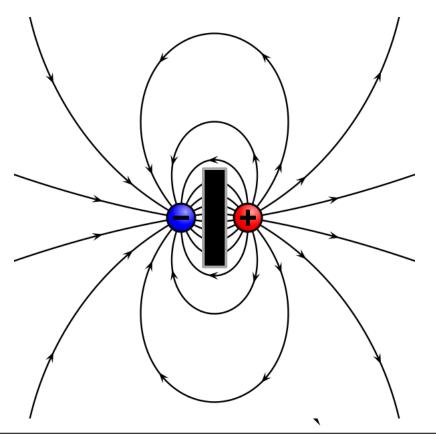


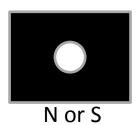






Magnetic Field Lines Activity





Intro

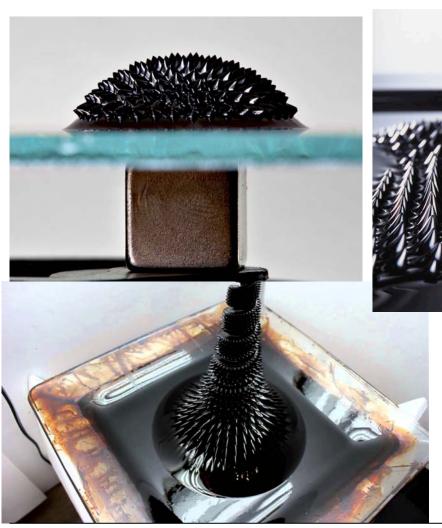
Magnetic Fields

Activity 1

Magnetic Levitation

Activity







Activity 1



Magnetic Levitation





The principle of levitation:

Force of Weight = Repelling/Attracting Force





Strength of Magnets:

Weak from Afar





Magnetism



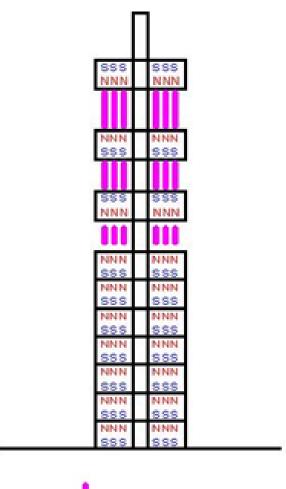
Intro

Fields

Levitation



Donuts Experiment



Repulsive Force





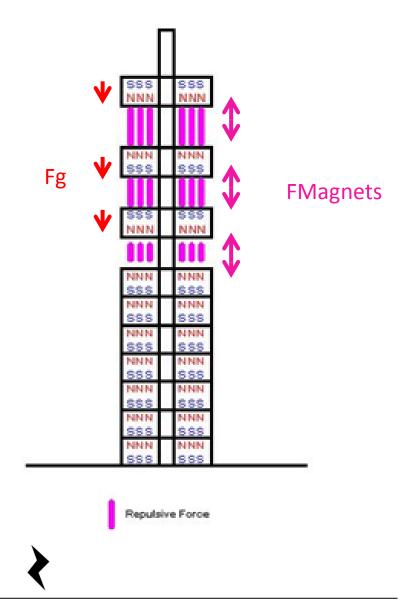
The principle of levitation:

Force of Weight = Repelling/Attracting Force





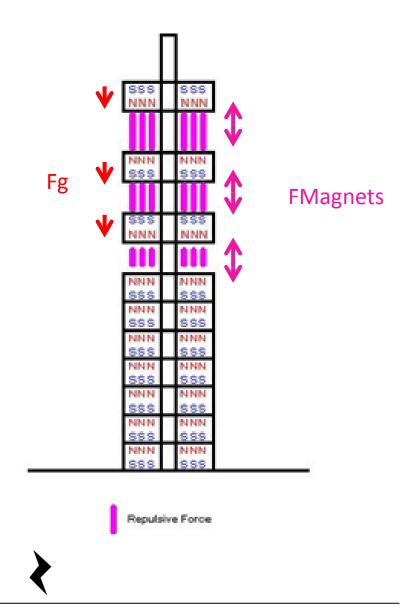
Donuts Experiment



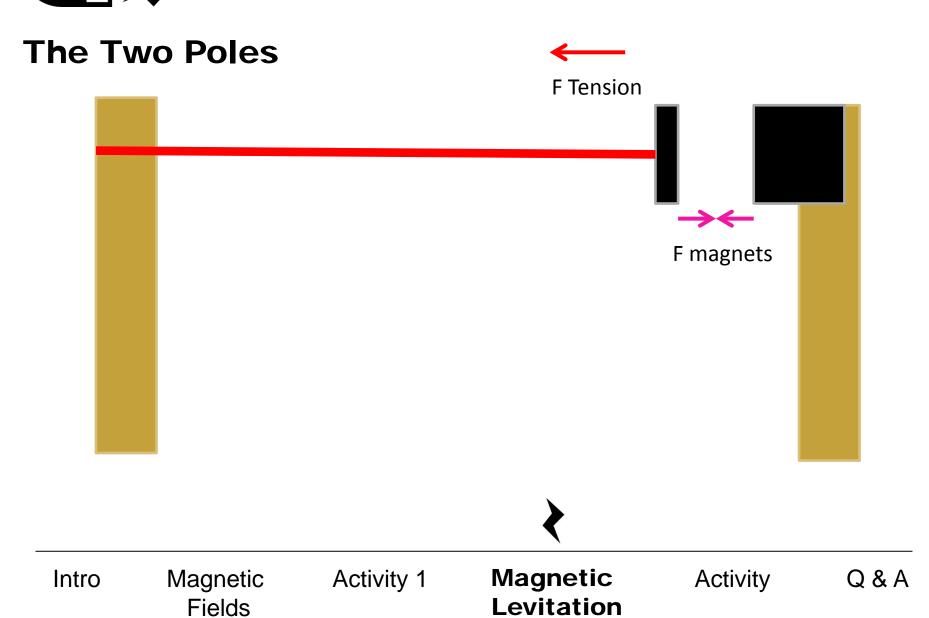


Donuts Experiment

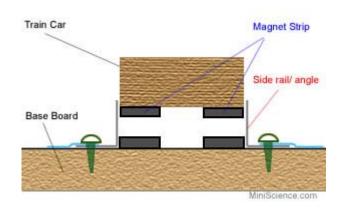
Can be modelled like a spring.

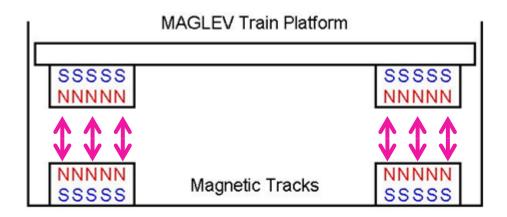












Repulsive Force





Question Period





Q & A Please fill out the feedback form!





END