



Magnets and Electromagnets



Information About Me

Gender (Circle One): Male Female

Grade: 5th

County: Paulding

Are you part of a Military Family? (Circle One): Yes No

Number of Years in 4-H: 1

Race & Ethnicity (Circle all that apply): White African-American or Black Asian American Indian Pacific Islander Hispanic ethnicity

Answer the questions below by putting an "X" in the box.

**Because of today's lesson on
Magnets and Electromagnets...**

**Strongly
Disagree**

Disagree

Agree

**Strongly
Agree**



I know that magnets are objects that attract certain types of metals

I know that there is a difference between natural magnets and electromagnets

I know that not all materials are attracted to magnets

I know that magnets have an invisible force around them called the magnetic field

I know that magnets are important for everyday life





Magnets and Electromagnets



Vocabulary

DRAW A LINE from each word to the correct definition.

Magnet	Metal made into a magnet by using electric current
Electromagnet	Area around a magnet that has a magnetic pull on other objects
Magnetic Field	The ends of a magnet with the strongest magnetic force
Electrons	material or object that produces a magnetic field
Magnetic Poles	Tiny spinning particles arranged in the same direction that create a magnetic field around the atom

TRUE / FALSE QUESTIONS

Answer the questions below by putting an "x" in the box.	True	False
1. A magnet is something that attracts certain metals		
2. Magnets have both a north and south pole		
3. Magnets have a magnetic field		
4. A magnetic field is invisible		
5. Electromagnets are created by introducing electric currents to metals		

*The most important thing I learned
from this program....*

MULTIPLE CHOICE QUESTIONS

1. What happens if you bring two north poles of a magnet together?	They attract each other	Nothing!	They repel each other
2. What happens if you bring the north and south poles of a magnet together?	They attract each other	Nothing!	They repel each other
3. Which items would be attracted to a magnet?	Plastic water bottle	Iron nail	Glass mirror

**One thing I would
change about this
program.....**

