

6th Grade Science  
Lesson: April 7, 2020

**Learning Target:**

I can identify objects that are magnetic and identify why the poles of the magnet are attracted or repelled.

**Warm up #1 - Let's Get Started:**

\*\*You will need paper for this lesson

1. Watch this [Bill Nye](#).
2. Answer this **question**: What kind of materials do magnets attract, or stick to?

## Warm up #2:

### Need to know:

- Magnets attract metals such as iron, nickel, and cobalt.
- Attract - To pull together, when opposite poles are put near each other, attraction occurs.
- Repel - To push away, when two similar magnetic poles are near each other, they repel one another.
- Magnetic Force- The attractive or repulsive force that acts between magnetic materials
- Poles - The opposite ends of a magnet; North and South

## Practice #1:

While watching this [video](#) on magnetism, answer the following questions on a piece of notebook paper:

1. Make a list of materials around you that are magnetic and those that are not.
2. What is special about the ends of a magnet?
3. When you hold the ends of two magnets together, the magnets repel. What does this tell you about the poles of the magnets?

# Practice #2: Using the word bank, fill in the blanks about Magnets.

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## Magnets

Magnetism is a f\_\_\_\_\_ that acts only between magnetic materials like i\_\_\_\_\_, s\_\_\_\_\_, c\_\_\_\_\_ and n\_\_\_\_\_.

Magnets have 2 p\_\_\_\_\_ - a n\_\_\_\_\_ and a s\_\_\_\_\_.

If two magnets are put together the poles that are the same will r\_\_\_\_\_ each other. If two magnets are put

together the poles that are different will a\_\_\_\_\_ each other.

NORTH REPEL

FORCE SOUTH

COBALT IRON

ATTRACT

STEEL POLES

NICKEL

\*Check your answers on the next slide.

# Practice #2: **Answer Key** - Using the word bank, fill in the blanks about Magnets.

1

## Magnets

Magnetism is a **force** that acts only between magnetic materials like **iron**, **steel**, **cobalt** and **nickel**.  
Magnets have 2 **poles** - a **north** and a **south**.  
If two magnets are put together the poles that are the same will **repel** each other. If two magnets are put together the poles that are different will **attract** each other.

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## Additional Practice!

Read this [article](#) and take the 10 question quiz at the end to test your knowledge about Magnets!