

Chapter 4: Magnetic Field

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Teacher Notes

(Print out guided student notes.)

Chapter 4: Magnetic Field

Magnetic Field: the area of magnetic force around a magnet

- Stronger magnets have larger and more powerful magnetic fields.
- The strength of magnetic field weakens as you move away from the magnet.
- Magnetic objects are influenced by a magnet if in a magnet's magnetic field.

Direction of Magnetic Field

- The magnetic field forms loops around and through a magnet
- Magnetic field begins at a magnet's north pole.
- The magnetic field travels outward and around a magnet from the north pole to the south pole.
- The magnetic field travels through the magnet from the south pole to north pole.

Magnetic Field Lines

- Magnetic field lines are lines we draw to help visualize the magnetic field of a magnet.
- Magnetic field lines are drawn with arrows to show the direction of the magnetic field.
- Magnetic field lines NEVER cross.