

MAGNET EXPLORATION

Grade Level: PreK – 4

Lab Time: 1 to 1 1/2 hours

Description

Turn a needle into a magnet, hunt for hidden treasures and discover the power of magnets. Students investigate concepts including magnetic fields and lines of force, north and south poles, conduction of magnetism, pole patterns and our magnetic Earth.

Illinois State Learning Goals

State Goal 12: Understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences.

Early Elementary

12.D.1b

- Identify observable forces in nature (e.g., pushes, pulls, gravity, magnetism).

Late Elementary

12.D.2b

- Demonstrate and explain ways that forces cause actions and reactions (e.g., magnets attracting and repelling; objects falling, rolling and bouncing).

State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.

Early Elementary

13.A.1c

- Explain how knowledge can be gained by careful observation.