

Project Summary: What Objects Around Us Are Magnetic?

Grade Level: Upper Elementary (Grades 3-5)

Project Overview: This engaging project introduces students to the concept of magnetism, aligned with Next Generation Science Standards (NGSS) and Common Core. Students will design experiments to test everyday objects for magnetic properties. The project includes rubrics for clear performance feedback.

Project Sections:

- **General Guidelines:** Clear instructions to help students explore magnetism through inquiry and teamwork.
- **Brainstorming:** Encourages creative thinking to identify testable objects and experiment ideas.
- **Project Planning and Designing:** Guides students in setting goals, creating tasks, and developing experimental procedures.
- **Project Execution:** Promotes collaboration, leadership, and adaptability during experiments and analysis.
- **Experimenting:** Step-by-step procedures for testing magnetic properties of various objects.
- **Presentation:** Options for slide decks, posters, or videos to showcase findings.

Why Use This Project? This project provides a hands-on approach to understanding magnetism, fostering critical thinking and problem-solving skills. Students develop scientific inquiry methods and collaborate effectively, enhancing their communication and teamwork abilities. The standards-aligned framework ensures academic relevance, while the rubrics promote measurable learning outcomes. An excellent choice for engaging STEM lessons!