I’m A Scientist, Too!
3rd grade

Overview
Students are introduced to the process scientists go through to conduct an experiment. They then learn some background information about magnets and conduct a full experiment, using magnets to illustrate the scientific process.

Vocabulary
• analyze – examine the data you collected to make conclusions
• conclusion - your answer to your hypothesis after all the data is collected
• data – information that is collected during an experiment
• hypothesis – an intelligent/educated/good guess, your prediction

NM Science Standards Addressed
1-1-1-3 Use numerical data in describing and comparing objects, events, and measurements.
1-1-1-4 Collect data in an investigation and analyze those data.
1-1-1-5 Know that the same scientific laws govern investigation in different times & places.
1-1-2-1 Use a variety of methods to display data and present findings.
1-1-2-2 Understand that predictions are based on observations, measurements, and cause-and-effect relationships.
1-1-3-1 Use numerical data in describing and comparing objects, events, and measurements.
1-1-3-2 Pose a question of interest and present observations and measurements with accuracy.
1-1-3-3 Use various methods to display data and present findings and communicate results in accurate mathematical language.
2-1-3-1 Recognize that magnets can produce motion by attracting some materials (e.g., steel) and have no effect on others (e.g., plastics).
2-1-3-2 Describe how magnets have poles (N and S) and that like poles repel each other while unlike poles attract.
2-1-3-3 Observe that some forces produce motion without objects touching (e.g., magnetic force on nails).

CCSS Language Arts Standards Addressed
RL.3.1 Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers.
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RI.3.4 Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a grade 3 topic or subject area.

Next Generation Science Standards Addressed
3-PS2-1 Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.