I’m A Scientist, Too!
5th 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
1-1-1-1 Plan and conduct investigations, including formulating testable questions, making systematic observations, developing logical conclusions, and communicating findings.
1-1-1-2 Use appropriate technologies (e.g., calculators, computers, balances, spring scales, microscopes) to perform scientific tests and to collect and display data.
1-1-1-5 Communicate the steps and results of a scientific investigation.
1-1-2-1 Understand that different kinds of investigations are used to answer different kinds of questions (e.g., observations, data collection, controlled experiments).
1-1-2-2 Understand that scientific conclusions are subject to peer and public review.
1-1-3-1 Use appropriate units to make precise and varied measurements.
1-1-3-2 Use mathematical skills to analyze data.
1-1-3-3 Make predictions based on analyses of data, observations, and explanations.
1-1-3-4 Understand the attributes to be measured in a scientific investigation and describe the units, systems, and processes for making the measurement.
2-1-3-4 Understand that when a force (e.g., gravity, friction) acts on an object, the object speeds up, slows down, or goes in a different direction.

CCSS Language Arts Standards Addressed
SL.5.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 5 topics and texts, building on others’ ideas and expressing their own clearly.
SL.5.1.B Follow agreed-upon rules for discussions and carry out assigned roles.
SL.5.1.C Pose and respond to specific questions by making comments that contribute to the discussion and elaborate on the remarks of others.