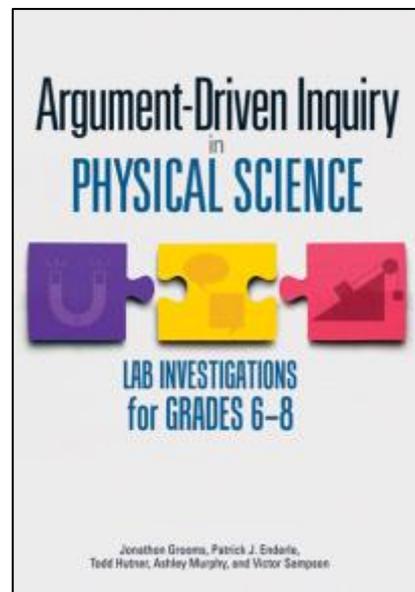


# Argument-Driven Inquiry in Physical Science: Lab Investigations for Grades 6–8

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## Summary

Are you interested in using argument-driven inquiry for middle years lab instruction but just aren't sure how to do it? *Argument-Driven Inquiry in Physical Science* will provide you with both the information and instructional materials you need to start using this method right away. The book is a one-stop source of expertise, advice and investigations to help physical science students work the way scientists do.

The book is divided into two basic parts:

1. An introduction to the stages of argument-driven inquiry – from question identification, data analysis, and argument development and evaluation to double-blind peer review and report revision.
2. A well-organised series of 22 field-tested labs designed to be much more authentic for instruction than traditional laboratory activities. The labs cover four core ideas in physical science: matter, motion and forces, energy and waves. Students dig into important content and learn scientific practices as they figure out everything from how thermal energy works to what could make an action figure jump higher.

Many of today's middle years teachers – like you – want to find new ways to engage students in scientific practices and help students learn more from lab activities. *Argument-Driven Inquiry in Physical Science* does all of this while also giving students the change to practise reading, writing, speaking and using maths in the context of science.

## Other Resources

- *Argument-Driven Inquiry in Biology: Lab Investigations for Grades 9–12* (NST9211)
- *Argument-Driven Inquiry in Life Science: Lab Investigations for Grades 9–12* (NST9020)
- *Argument-Driven Inquiry in Chemistry: Lab Investigations for Grades 9–12* (NST9082)