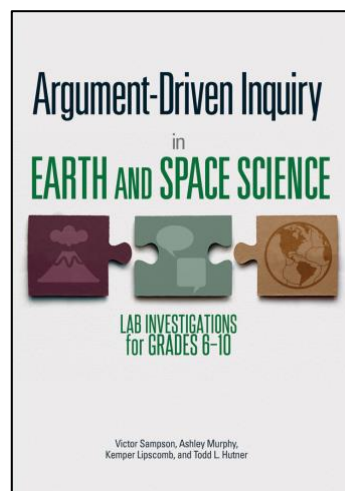


# Argument-Driven Inquiry in Earth and Space Science: Lab Investigations for Grade 6–10

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**Key Learning Area:** Science



## Summary

Are you interested in using Argument-Driven Inquiry (ADI) for middle years and high school lab instruction, but just aren't sure how to do it? You aren't alone. *Argument-Driven Inquiry in Earth and Space Science* will provide you with the information materials you need to start using this method right away. The book is a one-stop source of expertise, advice and investigations to help Earth and space sciences students work the way scientists do.

The book is divided into two basic parts:

1. An introduction to the stages of ADI – from question identification, data analysis, and argument development and evaluation to double-blind peer review and report revision.
2. A well-organised series of 23 field-tested labs designed to be much more authentic for instruction than traditional laboratory activities. The labs cover five disciplinary core ideas in Earth and space science: Earth's place in the universe, the history of Earth, Earth's systems, weather and climate, and Earth and human activity. Working from the Student Lab Manual, your classes will explore important content and discover scientific practices. They can investigate everything from how the seasons work to what causes geological formations and even consider where NASA should send a space probe next to look for signs of life.

This book is part of NSTA's best-selling series about ADI in middle years life science and physical science. Additional ADI books are available for high school chemistry, biology and physics. Like its predecessors, this collection is designed to be easy to use, with teacher notes, student handouts and checkout questions.

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

## Other Resources

- *Student Lab Manual for Argument-Driven Inquiry in Earth and Space Science: Lab Investigations for Grade 6–10 (CODE)*