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Science - Argument-Driven Inquiry

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Argument-Driven Inquiry

This article presents a new instructional model called Argument-Driven Inquiry (ADI) that can be used in undergraduate college chemistry laboratory courses. ADI is designed to provide students with an opportunity to develop their own method to generate data, to carry out investigations, use data to answer research questions, write, and be more reflective as they work.

Argument-Driven Inquiry: An Introduction to a New

Using Argument-Driven Inquiry Chapter 1. Argument-Driven Inquiry..... 3 Chapter 2. Lab Investigations..... 23 SECTION 2 Space Systems INTRODUCTION LABS Lab 1.

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designed using an innovative approach to lab instruction called argument-driven inquiry (ADI). This approach and the labs based on it are aligned with the content, crosscutting concepts, and scientific practices outlined in Figure 1. Because the ADI model calls for students to give presentations to their peers, respond to questions,

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The aim of this study is to investigate the effect of argument-driven inquiry (ADI) based laboratory instruction on the academic achievement, argumentativeness, science process skills, and argumentation levels of pre-service science teachers in the General Physics Laboratory III class. The study was conducted with 79 pre-service science teachers.

Investigating the Effect of Argument-Driven Inquiry in

NEW, UPDATED VERSION 3.0 This is an ADI (Argument Driven Inquiry) Activity. Students will answer the guiding question, will California, eventually over time break off into the Pacific Ocean? Students will have to draw evidence from text, USGS data, USGS maps and a news article to support their answer.

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Argument-Driven Inquiry in Biology is your one-stop source for both information and instructional materials. The book starts by introducing you to the stages of argument-driven inquiry. These stages range from question identification, data analysis, and argument development to double-blind peer review and report revision.

Science Teaching Materials - NSTA Press Extras: Argument

Argument-driven inquiry in biology : lab investigations for grades 9-12 / Victor Sampson [and six others]. 1 online resource. Includes bibliographical references. Description based on print version record and CIP data provided by publisher; resource not viewed. ISBN 978-1-938946-20-2 -- ISBN 978-1-938946-66-0 (e-book) 1.

Argument-Driven Inquiry - Environmental Education

Argument-Driven Inquiry in Biology is a one-stop source of expertise, advice, and investigations. The book is broken into two basic parts: 1. An introduction to the stages of argument-driven inquiryâ€”from question identification, data analysis, and argument development and evaluation to double-blind peer review and report revision. 2.

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Promoting science proficiency by transforming lab activities. Physical Science, Potential Energy Lab Supply Kit (Middle School)

Lab Kits - Argument-Driven Inquiry

The Argument-Driven Inquiry (ADI) instructional model (Author, 2011) is one strategy designed to foster the development of the four key aspects of scientific proficiency. Classroom activities structured according to the ADI model engage students in designing data collection and analysis procedures, argument generation, group

Abstract Title Page Not included in page count. - SREE

Argument-Driven Inquiry (ADI) is an instructional model that enables science teachers to transform a traditional laboratory activity into a short integrated instructional unit.

Victor Sampson, Jonathon Grooms, and Joi Walker

Argument Driven Inquiry is a teaching tool that science teachers use to instruct laboratories in order for students to learn how to write, communicate, and observe/listen in a science classroom while figuring out how and why things happen relating to science and engineering practices.

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