



Summary

This book explains how scientists conduct experiments every day using the scientific method. In this book, you will learn each step needed to conduct an experiment using this method.

Guided Reading Level	Lexile Level	100th word	Total Word Count
Q	700	and pg.6	745

Standards:

Common Core Language Arts

- Refer to details when explaining what the text says
- Know and apply phonics and word analysis
- Ask and answer questions to demonstrate understanding of text

Science

- Knows that a scientist may use controlled experiments for investigations depending on the question
- Knows that scientific investigations involve asking questions
- Knows that scientific investigations involve comparing answers to what scientists already know

Lesson Focuses for Guided Reading (Select lesson focus based on Student's needs)

Writing Craft	Comprehension	Reading Strategies Decoding, & Phonics	Academic Vocabulary
Extend sentences with phrases that tell Use a variety of details to support main ideas Create and use text features	Using graphic features Asking questions Summarizing information	Cross-checking text to pictures Using picture clues Locating known or unknown words	controlled variable data hypothesis manipulated variable measurable research scientific method scientists theory valid variables

Lesson

1. Warm up for reading – Students read familiar books.
2. Introduction of **I Can Prove It!** – Introduce **I Can Prove It!** by looking at the cover photo and starting a discussion about science experiments.
Suggested questions to facilitate introductory conversation:
 - *Have you ever wondered how things work? How do scientists figure out how things work?*
 - *Do you recognize the equipment on the cover of the book? What is it and what is it used for?*
 - *Have you ever conducted a science experiment? Tell us about it.*
3. Skimming and Scanning **I Can Prove It!** – Use this time to introduce or review your lesson focus strategies and/or skills.
Suggested skimming and scanning prompts:
 - *Let's look at the Table of Contents. What do you think this book is going to be about? What do the plants on this page tell us about the book?*
 - *Skim the book and look for words that are bolded. Why do you think they are bolded? Have students turn to the glossary and read any unfamiliar words.*
 - *Turn to pg. 10. There are two text features to support you in your reading. What are they? How will they help you understand the text better?*
 - *Who can read the caption about data on pg.17? Can you tell us what it is about in your own words?*
4. Reading **I Can Prove It!** – Students read independently or with a partner.

5. After reading **I Can Prove It!** – Open the conversation with a question that relates to the comprehension strategy of using graphic features. After a brief conversation about the contents of the book move to questions that support your lesson focus.
Suggested after reading content connection questions:
 - *Can you summarize the most important details of the book? Tell us about it.*
 - *What is the scientific method? Why do scientists use it? Can you walk us through the process?*
 - *Why do you think it is important for scientists to conduct background research? Tell us about it.*
 - *The scientific method starts with a question about something observable. Can you come up with a question about how things work or why things happen? What would your hypothesis be? Tell us about it.*
 Suggested after reading lesson focus prompts:
 - *I noticed (student's name) using (reading strategy) while you were reading. Did it help you with your reading? (Repeat this question to highlight different reading strategies or skills used by students.)*
 - *Did you use the glossary or pictures for information when you were stuck? Tell us about it.*
 - *How did the captions help you understand what you were reading? Tell us about it.*
6. After Reading Application for **I Can Prove It!** – Have students complete the reproducible Sequencing. They will write a description for each step of the scientific method.



Name: _____

Date: _____

I Can Prove It!

Directions: Use this chart to describe each step of the scientific method. In the column titled Steps, you will write each step. In the column titled Description, you will write a brief description of the step.

Steps	Description