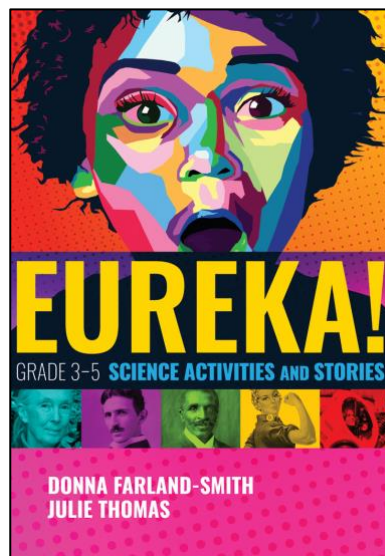


Eureka! Grade 3–5 Science Activities and Stories

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Focus Area:	Activities and Exercises, Classroom Practice and Direct Instruction, Professional Development
Key Learning Area:	Science
Supplemental Resource:	Download reproducible resources at go.hbe.com.au



Summary

With *Eureka! Grade 3–5 Science Activities and Stories*, you’ve found a fresh, versatile way to put a human face on science and engineering! The title evokes Archimedes’ famous cry because the book’s lessons help your students make discoveries about who scientists and engineers are and what they do.

Eureka’s appeal comes from its engaging lessons, which are built around 24 children’s trade-book biographies of scientists and engineers. Some of these are well known, such as Galileo Galilei, George Washington Carver and Jane Goodall. Others are not, such as astronomer Annie Jump Cannon, oceanographer Sylvia Earle and engineer William Kamkwamba. But all of their stories will help your students see scientists and engineers not as stereotypes wearing goggles and lab coats, but as real women and men whose work and success stem from their life experiences and characters.

Each chapter is designed to do the following:

- **Focus on science and engineering practices.** These include asking questions and defining problems, planning and carrying out investigations, and analysing and interpreting data.
- **Bring these practices to life** through the trade books and related lessons, which introduce a skill-building, inquiry-based investigation while highlighting the scientists’ and engineers’ work and the character traits that helped each succeed. You can teach one lesson or all three from each chapter – whatever will enrich your curriculum the most.
- **Be easy to use.** In addition to supporting the Next Generation Science Standards, each chapter recommends a teaching strategy and uses a learning-cycle format.

Authors Donna Farland-Smith and Julie Thomas point out one other big benefit that makes *Eureka!* a resource you’ll turn to again and again. “We like to think of this book as a way to invite scientists and engineers into your classroom,” they write, “without the hassle of finding and scheduling guest speakers.”

Other Resources

- *Science Dictionary for Kids: The Essential Guide to Science Terms, Concepts and Strategies* (PRU9358)
- *The Young Artist as Scientist: What Can Leonardo Teach Us?* (TCP5435)
- *Notable Notebooks: Scientists and Their Writings* (NST1055)