

# Science is Golden: A Problem-Solving Approach to Doing Science with Children

Ann Finkelstein

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The first book of its kind, *Science is Golden* discusses how to implement an inquiry-based, problem-solving approach to science education (grades K-5). Finkelstein shows parents and teachers how to help students investigate their own scientific questions. Rather than a set of guidelines for science fair projects, this book presents a method for helping students expand their creativity and develop logical thinking while learning science.

Starting with an introduction to the "brains-on method," *Science is Golden* explains brainstorming, experimental controls, collecting data, and how to streamline children's questions about science so that the questions define an experiment. Students will learn how to: ask good questions; clarify terminology; research, plan, and design experiments and controls; test assumptions; collect and analyze data; present results to others; and collaborate with adults.

Science is Golden is consistent with the National Science Education Standards proposed by the National Academy of Sciences, and the Michigan Essential Goals and Objectives for Science Education (K-12) from the Michigan State Board of Education.



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