

# Sense Making in Science Videos

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How do children make sense of scientific phenomena? How can teachers use insights into children's sense making to improve their science teaching? How can active discussion in science benefit children's learning? The *Sense Making in Science* video series enables teachers and staff developers to explore these and other questions about science teaching and learning in K-8 classrooms. The videos spotlight the experiences of twelve teachers as they investigate scientific ideas, experiment with new teaching practices, and develop ways to understand their students' thinking and learning in science. The videos also feature extended classroom episodes on children's talk and activity in science. Available for purchase or rental.

## Professional Development Resource Package for Teachers

- Three Professional Development Videos:
  - Valerie: Exploring the Relationships Between Doing Science and Teaching Science
  - Videotape: Another Set of Eyes in the Science Classroom
  - Why Do Big Heavy Boats Float? Teaching Inquiry Into Science Learning
- Professional Development Resource Guide, describing the inquiry-based approach to supporting teachers' learning and growth
- A Primer for Using Video in the Classroom, with tips on filming in the classroom.

## Four Classroom-Based Video Case Studies

Excellent resources for inservice and preservice programs or for individual teacher study. Each video is accompanied by a User's Guide featuring a synopsis, tips on using the tape, discussion questions, suggested readings, transcripts of the extended discussions on the video, and written statements by the teachers.

- Straw-Structures: Exploring Students Learning in Hands-On Science
- How Much Light Does a Plant Need? Questions, Data, and Theories in a Second-Grade Classroom
- It's Not Just Talk: Eight Classroom Conversations in Science
- Episodes from Three Science Classrooms