

# Mystery Science uses the 5E Instructional Model



Our Mysteries are designed based on the 5E instructional model.

## Engage

### SHORT INTRO VIDEOS

Mystery Science raises a question, and uses compelling storytelling and visuals to introduce students to a scientific phenomenon and get them excited to investigate.

## Explore

### HANDS-ON ACTIVITY

Students experience key concepts through a collaborative hands-on, inquiry activity. They test predictions, share ideas and record observations. Teachers act as a facilitator, supporting students in establishing relationships and communicating their experience and ideas.

## Explain

### DISCUSSION QUESTIONS

Students have frequent opportunities to connect their prior knowledge to new concepts. They share their thinking and build explanations. Post-activity questions encourage students to engage in sense-making, linking their findings to the Mystery question. The final video of the Mystery builds upon the student discussion and provides scientific explanation.

## Elaborate

### EXTENSIONS

Our extensions offer an opportunity for students to apply their learning to a similar or new situation. They include additional activity suggestions, online resources, project ideas and readings to help extend the learning.

## Evaluate

### MYSTERY ASSESSMENTS

**Grades K-1:** Each Mystery includes a Drawing and Writing Prompt that can be used to assess students' knowledge.

**Grades 2-5:** Each Mystery includes an open response assessment and answer key. A variety of questions at different levels are included. In addition to Mystery assessments, there is a summative assessment for each unit.