

## **Using a Science Notebook for Inquiry Activities**

The inquiry activities in *National Geographic Science* provide an opportunity for students to ask questions and do investigations much like scientists do. Writing what they learn will help students understand why they are doing the activity and what it teaches them.

ASK A QUESTION	0	How can you change	
<ul> <li>Every inquiry activity begins with a question that shows the purpose of the activity. Have students write the question in their science notebook.</li> </ul>		the direction of a model	
		sailboat?	
BUILD VOCABULARY	0	model: You can make and	
<ul> <li>Have students write the Science Process Vocabulary words and their definitions in their science notebook.</li> </ul>		use a model to show how	
		something looks or works.	
		observe: When you	
		observe, you use your	
		senses to learn about	
		something.	
MAKE A PREDICTION	0	I predict that we can	
<ul> <li>Have students write a statement predicting what will happen in the activity. Encourage students to use their prior knowledge and experience to make the prediction.</li> </ul>		change the motion of the	
		sailboat by pushing or	
		pulling it.	



## Using a Science Notebook for Inquiry Activities, continued

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## **EXPLAIN AND CONCLUDE**

Science 🔊

Have students examine data, or evidence, and use this evidence to make inferences, develop explanations, and draw conclusions about their observations and results. This is what the Nature of Science is all about. Students make observations and then support and extend observations with inferences. Both observations and inferences are then used to draw meaningful conclusions. Students learn that Science conclusions must include *both* observations *and* inferences.

## THINK OF ANOTHER QUESTION

• Have students reflect about what they have learned. Then have them use their observations to think of other questions that they could study through an investigation. Have them write their questions in their science notebook. I moved the boat away from me by pushing it. I moved it toward me by pulling it. Boats must need a push or a pull in order to move. Boats cannot move by themselves.

• I wonder if I could move the boat by blowing on it.