

## Science Minilessons: Inquiry Process

### Explore!

**THINK** of remote, exotic places that you would like to explore in this world or any other.

**CHOOSE** the place you'd most like to explore as a scientist.

**DOWNLOAD** a planning sheet from [thoughtfullearning.com/p238](http://thoughtfullearning.com/p238).

**WRITE** a goal, objectives, and so on, for your exploratory mission.

### Animal Ambassadors

**READ** about the student project to save whooping cranes on *Inquire* pages 237–242.

**RESEARCH** other endangered animals you could help.

**DISCOVER** what groups work to save the animal, or create a group of your own.

**GET** involved to save a species!

### Inquiry into the Scientific Method

**LIST** the steps of the inquiry process in order down the left side of a piece of paper. (See *Inquire* page 236.)

**LIST** the steps in the scientific method in order down the right side of the page.

**COMPARE** the inquiry process with the scientific method. How are they similar? How are they different?

## Math Minilessons: Inquiry Process

### Problem Solvers

**THINK** about the steps you take to solve a word problem.

**WRITE** down the steps in a simple list.

Next to that list, **WRITE** down the steps of the inquiry process in order. (See *Inquire* page 236.)

**COMPARE** the two processes. How are they similar? How are they different?

### Elephant Education

**COUNT** how many students are in your class.

**MULTIPLY** that number times 150 lbs. (average student weight) to find out the total class weight.

**RESEARCH** to discover the average weight of an elephant.

**CALCULATE** how many elephants it would take to make up your total class weight.

### Inventing Math

**SEARCH** online to discover who invented calculus. (Hint: Two people get credit.)

**CONSIDER** that calculus was invented to figure out where cannon balls would go when shot; no one could predict that mathematically before calculus.

**THINK** about something that no one can predict mathematically, like which video will go viral on the Internet, or which clothes are about to go out of style.

**IMAGINE** inventing a kind of math to predict the phenomenon.