

Xtreem Science "Teaching 8th Grade Science"

Glencoe

TAKS Objective 1--The student will demonstrate an understanding of the **nature of science**.

TEKS 8.5A&B--The students knows that relationships exist between science and technology. The student is expected to:

- A) identify a design problem and propose a solution;
- B) design and test a model to solve the problem; and

Using Models in Science

Engage

Demo: Volcano One.
Demo: Volcano Two.

Explore

Have students, in small groups, complete the activity "Making a Model from an Object".

Explain

Discuss models. List models used in science.

Elaborate

Students will create a rubric for evaluating models. Explore the emergence of important models in the history of science.

Evaluate

The student will use his rubric to evaluate a model of a molecule, a cell, or the solar system.