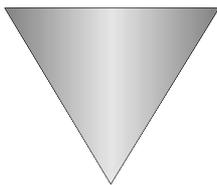


**PROJECT****OVERVIEW**

## Animal Adaptations

For this project you will study how different organisms are adapted to their own environments. You will choose one kind of adaptation and use models to demonstrate how it differs between a fish, an amphibian, and a reptile. The adaptation that you choose must be different in at least two of the three animals that you model. As an example, you might choose three organisms to show how they are adapted for moving. Or you could pick three organisms that have different adaptations for eating, or for surviving in a hot climate.

Your teacher will review your choice of adaptation and your choice of animals to model. You will design your models and decide what materials to use to build them.

### ◆ Project Rules

- ◆ You must model the same type of adaptation in all three of your models.
- ◆ Your models must include one fish, one amphibian, and one reptile. Since there are many variations within each of these groups, your models should be of a specific kind of organism. For example, your fish might be a lamprey, great white shark, or catfish.
- ◆ Make a sketch of each of your models and have your teacher approve it before you begin construction.
- ◆ Follow the safety guidelines for handling sharp tools in Appendix A of your textbook.

### ◆ Suggested Materials

- ◆ Materials and tools you might use to make your models include: toothpicks, pipe cleaners, polystyrene foam, cardboard, construction paper, chicken wire, balsa wood, balloons, modeling clay, papier mâché, glue, tape, scissors, paints, markers, and other decorating materials.

**ANIMAL ADAPTATIONS PROJECT OVERVIEW** *(continued)*

**◆ Project Hints**

- ◆ Encyclopedias, books, magazines, the Internet, pet stores, and zoos are all good places to look when trying to think about different adaptations and specific animals to model. They can also help you to think about how the adaptation that you choose makes your animal suited to its environment.
- ◆ Use a shoe box or other storage container to help you protect your models.
- ◆ Consider making a small model. Large models might take too long to complete, and you would need to use a large amount of materials. If your model is not life size, you should include information about the actual size of the organism in your poster and in your presentation.

**◆ Project Time Line**

Task	Due Date
1. Select adaptation and get teacher approval	_____
2. Select fish to model and get approval	_____
3. Sketch fish design	_____
4. Complete fish model	_____
5. Select amphibian to model and get approval	_____
6. Sketch amphibian design	_____
7. Complete amphibian model	_____
8. Select reptile to model and get approval	_____
9. Sketch reptile design	_____
10. Complete reptile model	_____
11. Make poster	_____
12. Do project presentation	_____