

FAMILY ADVENTURES WITH MATH & SCIENCE

Family Adventures with . . . DINOSAURS *Challenging Activities*

- Read *Did Dinosaurs Live in Your Backyard? Questions and Answers About Dinosaurs* by Melvin and Gilda Berger. Write three new questions that you have about dinosaurs. Use other books, resources or the Internet to see if you can locate the answers to your questions.
- Compare your weight to a dinosaur's weight. How many of you would it take to weigh the same as a 2 ton *Tenontosaurus* or *Stegosaurus* (1 ton equals ??? pounds). Use the **tape measure** located in the kit to measure your height. Compare your height to the height of a specific dinosaur using the same method (how many of you would it take?).
- Use the **tape measure** located in the kit to measure the dimensions of the **plastic dinosaurs** located in the kit and compare with the data sheet located in this folder. Are the plastic dinosaurs made to scale?
- Pretend to be a paleontologist and piece together a dinosaur. Use the **puzzle pieces** in the kit and try to assemble a complete dinosaur. (Note to parents: We have purposely removed the picture of the puzzle to make the experience more realistic. In addition, it is not necessary for all the pieces to be there since real paleontologists do not always have all the pieces either. **Hint:** The puzzle is in the shape of a *Tyrannosaurus Rex*).
- Make your own fossils: Place clean chicken or turkey bones in wet sand to make an imprint (or mold). Remove the bones and pour plaster of Paris into the imprint (or mold). Let it harden and then remove from the sand. Be sure to label your fossil.
- Make a chart comparing dinosaurs to existing animals. For example: how are an *Apatosaurus* and an elephant similar and how are they different? What existing animals are the most similar to certain dinosaurs? (Think about what they eat, how they move, etc.)