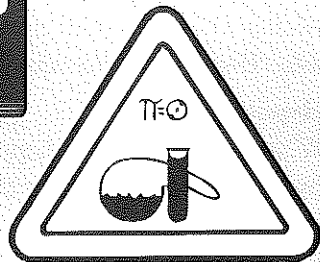
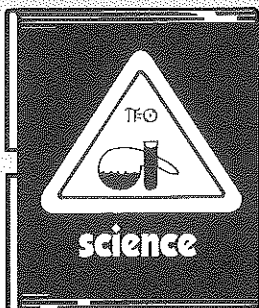


Cub Scout Academics: Science



REQUIREMENTS

Tiger Cubs, Cub Scouts, and Webelos Scouts may complete requirements in a family, den, pack, school, or community environment. Tiger Cubs must work with their parents or adult partners. Parents and partners do not earn loops or pins.

Belt Loop

Complete these three requirements:

- _____ 1. Explain the scientific method to your adult partner.
- _____ 2. Use the scientific method in a simple science project. Explain the results to an adult.
- _____ 3. Visit a museum, a laboratory, an observatory, a zoo, an aquarium, or other facility that employs scientists. Talk to a scientist about his or her work.

Academics Pin

Earn the Science belt loop and complete five of the following requirements:

- _____ 1. Make a simple electric motor that works.
- _____ 2. Find a stream or other area that shows signs of erosion. Try to discover the cause of the erosion.
- _____ 3. Plant seeds. Grow a flower, garden vegetable, or other plant.
- _____ 4. Use these simple machines to accomplish tasks: lever, pulley, wheel-and-axle, wedge, inclined plane, and screw.
- _____ 5. Learn about solids, liquids, and gases using just water. Freeze water until it turns into ice. Then, with an adult, heat the ice until it turns back into a liquid and eventually boils and becomes a gas.
- _____ 6. Build models of two atoms and two molecules, using plastic foam balls or other objects.
- _____ 7. Make a collection of igneous, metamorphic, and sedimentary rocks and label them.
- _____ 8. Learn about a creature that lives in the ocean. Share what you have learned with your den or family.
- _____ 9. Label a drawing or diagram of the bones of the human skeleton.
- _____ 10. Make a model or poster of the solar system. Label the planets and the sun.
- _____ 11. Do a scientific experiment in front of an audience. Explain your results.
- _____ 12. Read a book about a science subject that interests you. Tell your den or an adult family member about what you learned.