

A STEM in the Park

Take Home Activity

STEM

in the **PARK**™

Science, Technology, Engineering, and Mathematics

Science Lesson on the Skeletal System



What You Need

- Glue sticks
- Paper towel tube
- Crayons, 16 or more
- Markers, colored, 8 or more
- Paper - butcher, 5 feet
- Rubber bands - large
- Scissors, round-end safety

What To Do

Make a student-size paper model of the human body.

Have your student lie down on his back on a piece of paper large enough to accommodate his entire body. Have him turn his head to the left as you trace the outline of his body. He will use this outline to help learn about the different systems in his body.

Today your student will be adding parts of the skeletal and muscular systems to his body outline.

Continued on back

Investigate

Have your student color the bones and muscles from the **Bones and Muscles of the Arm sheet**, then have him cut them out. As he cuts out the bones and muscles, review the following concepts with him:

- Bones fit together to make our skeleton.
- Our skeleton holds us up and give us shape.
- Bones also protect our bodies. Our skull protects our brains, and our ribs protect our heart and lungs.
- Muscles and bones work together to help us move.
- Bones meet at joints.
- Muscles are attached to bones.
- Muscles lengthen and shorten to move bones at their joints.

Help your student place and glue the arm bones, muscles, and the outside edge of the ribs to his outline.

The Science

When different parts of your body all work together to perform a specific job, that group of parts is called a system. Have you ever heard of the skeletal system or the muscular system? Your body, in fact, is made up of many different systems.

Your bones make up your skeletal system. Your muscles make up your muscular system. Together, these systems let your body move.

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