

FAMILY ADVENTURES WITH MATH & SCIENCE

Family Adventures with . . . SPACE *Space Travel*

Books in the kit related to “space travel”:

Roaring Rockets

Touchdown Mars

Magic School Bus Lost in the Solar System

Postcards from Pluto

- Read the book *Roaring Rockets*, located in the kit. (This book portrays early space travel to the moon.) You and your child can role-play space travel or act out the story with the astronaut toys located in the kit.
- Sing and act out the *Astronaut Hokey Pokey* located on the back of this page.
- ◆ With balloons of a variety of shapes and sizes, you and your child can enjoy “launching rockets.” Blow up a couple of balloons – do not tie off the end. Hold the end of the balloon closed until you are ready to let go and “launch” the balloon. What happened? Which one went farthest? What will happen next time? Does the shape of the balloon make a difference in the way that it flies? Does the amount of air you put in the balloon make a difference in the way it flies? Variation: Take a paper lunch bag and decorate it to be your “rocket.” Blow up a balloon (the long one works best) and place the decorated bag over the balloon. Let go of the balloon and see your rocket fly across the room.
- ◆ Collect lots of clothing (shirts, pants, coats, socks, etc.). To pretend to be an astronaut, you and your child can put on several layers of clothes, maybe even a backpack, and try to walk around the house. How do you feel? What movements were difficult to do? Variation: For a different look, check out the directions on the back of this page.
- Pretend to be an astronaut working in space. Find a pair of gloves (winter mittens or rubber gloves) and some small objects (dice, pencils or pens, paper clips, screws and bolts, etc.). Put the gloves on and try to pick up the objects. This is fun to do with a friend!

Family Adventures with . . . SPACE
Space Travel continued

Astronaut Hokey Pokey

Put your space gloves in,
Put your space gloves out,
Put your space gloves in
And shake them all about.
Do the Astronaut Hokey Pokey,
And turn yourself around.
That's what it's all about.

Put your helmets in,
Put your helmets out,
Put your helmets in
And shake them all about.
Do the Astronaut Hokey Pokey,
And turn your self around.
That's what it's all about.

Put your moon boots in,
Put your moon boots out,
Put your moon boots in
And shake them all about.
Do the Astronaut Hokey Pokey,
And turn your self around.
That's what it's all about.

Add any other items/terms that you want.

1999 – Virginia – “Read Around The World”

Astronaut Space Suit

Parental supervision required.

Use a large white trash bag (cut out neck and armholes) and gloves or mittens for a suit. Decorate with colored tape or stickers. Use sunglasses, goggles, or a bicycle helmet for headgear. For oxygen packs, tape two empty 2-liter plastic bottles together and use yarn, ribbon, or fabric binding to make shoulder straps. Variation: Cover a cereal box instead of using the plastic bottles for the oxygen pack.