



HELLO PARENTS,

Science, directly and indirectly, influences all aspects of everyday life. From the food we eat to the way we get around, science is everywhere. Beginning when children are very young, science helps shape their development. As they learn to ask questions, make predictions, observe, test, and then communicate their findings, they are developing critical science skills. In this newsletter, you will find activities that will introduce children to scientific concepts and stimulate scientific thinking.

ACTIVITIES

INFANTS (3 -18 MONTHS)

BRIGHT STARS

MATERIALS:

- Hole punch
- Index card
- White envelope
- Flashlight

DIRECTIONS:

- Punch several holes in the index card and place it in the envelope.
- Hold the envelope and the flashlight in front of you. Both items should be two inches apart.
- Hold your child on your lap or hold the items directly in front of them.
- Observe the "stars" you created with the hole punch.
- Allow your child to hold the flashlight and experiment while you make descriptive statements and ask questions.

[Click here](#) for more activities.

TODDLERS (19 MONTHS – 2.5 YEARS)

WATER DISPLACEMENT EXPERIMENT

MATERIALS:

- A clear plastic container
- Stones and rocks
- Plastic toy
- Permanent marker

DIRECTIONS:

- Let your child fill the container with water and mark the level on the container.
- Have your child add objects to the water and mark the level each time they add objects.
- Observe together with your child how the water level is rising in the container.
- Ask your child questions about what they see. For example, "What happens when you put objects in the water?" etc.
- Explain how the water displacement happens when an object is in the water.

[Click here](#) for more activities.

PRESCHOOLERS (2.5 – 5 YEARS)

WATERPROOF A BOOT

MATERIALS:

- Paper
- Pen/pencil
- Tape
- Water
- Spray bottle
- A piece of tissue paper, aluminium foil, felt and parchment paper.

DIRECTIONS:

- Let your child draw a picture of a boot on the paper.
- Ask your child to cover the boot with different materials such as a small piece of paper, aluminium foil, etc.
- Have your child spray water over the boot.
- Have a discussion with your child and ask questions. For example, "Which materials do you think are the most waterproof?" etc.

[Click here](#) for more activities.

JK/SK (4 – 6 YEARS)

FLOATING PICTURES

MATERIALS:

- A plate
- Markers
- Warm water

DIRECTIONS:

- Draw a picture on the bottom of the plate with a marker.
- After you make the drawing add warm water very slowly from the side of the plate.
- Move the plate slowly.
- Observe what is going to happen with the pictures that you drew.
- Later, discuss with your child: "What happened with the picture when you add the warm water?"
- Repeat the activity several times, for more fun.

[Click here](#) for more activities.

SCHOOL-AGERS (6 – 12 YEARS)

FERMENTATION - MAKE YOUR OWN BREAD

MATERIALS:

- 4 cups white bread flour
- 1 1/2 cups warm water
- 1 1/2 teaspoons fast action dried yeast
- 1 tablespoon olive oil
- Large bowl
- 1 teaspoon salt

DIRECTIONS:

- Put the flour, yeast and salt into a large bowl and mix together with your hands.
- Stir warm water with the oil, then stir into the dry ingredients to make a soft dough.
- Put the dough out onto a lightly floured surface and knead for 5 minutes, until the dough no longer feels sticky.
- Oil a loaf tin and put the dough in, pressing it in evenly.
- Cover it and leave to rise for one hour, until the dough has risen to fill the tin. Heat oven to 370°F, then bake for 30-35 minutes until the loaf is risen and golden.
- Leave to cool and enjoy!

[Click here](#) for more recipes.



Immigration, Refugees
and Citizenship Canada

Immigration, Réfugiés
et Citoyenneté Canada

A TIP FOR TODAY

- Enjoy discussing the questions your child asks. Encourage them to share their perspectives and observations.
- Explore and find the answers together.
- Children need time to experiment, try things out, and think on their own. Wait before jumping in with "correct" answers. Give your child the time and space to explore and discover on their own.