



HELLO PARENTS,

Science is about observing, questioning, and investigating the world around us. What better way to do that than outside in nature? Science experiments on a warm summer day are a fun way to cool down and learn while playing! In this newsletter, we provide you easy projects that are great for summertime and will extend your child's scientific interests.

ACTIVITIES

INFANTS (3 – 18 MONTHS)

FROZEN ANIMAL RESCUE

MATERIALS:

- Different small toy animals
- Plastic bowl/container
- Cookie tray
- Water
- Plastic spoons, tongs

DIRECTIONS:

- Together with your child put the animals in a bowl/container, cover with water and put it in a freezer.
- Bring the frozen animals out and place them in a shallow tray.
- Encourage your child to explore.
- When the ice melts, give your child plastic spoons and tongs.
- Together name the animals that your child is going to rescue.

[Click here](#) for more activities.

TODDLERS (19 MONTHS – 2.5 YEARS)

TINFOIL RIVER

MATERIALS:

- Tinfoil paper (aluminum foil)
- Small items (plastic bottle cups, paper boats, etc.)
- Water

DIRECTIONS:

- Find an incline area in your backyard.
- Unroll the tinfoil and ask your child to roll the edges.
- Secure the tinfoil with a heavy object such as rocks.
- Let your child add water and watch the tinfoil river flow.
- To add more fun encourage your child to place the items in the "river".

[Click here](#) for more activities.

PRESCHOOLERS (2.5 – 5 YEARS)

RAINBOW BUBBLE SNAKES

MATERIALS:

- Empty water bottle
- Duct tape
- A sock
- Dish soap
- Scissors
- Rubber band

DIRECTIONS:

- Start by cutting the bottom of the water bottle off.
- Let your child slide the sock over the bottom of the bottle.
- Use duct tape to secure the sock, you can use a rubber band as well.
- Ask your child to pour dish soap into a shallow container with a little bit of water and gently mix.
- Encourage your child to dip the sock covered bubble blower into the solution and gently blow.

[Click here](#) for more activities.

JK/SK (4 – 6 YEARS)

LEAK PROOF BAG EXPERIMENT

MATERIALS:

- Medium size Ziplock bag
- Sharpened pencils
- Water

DIRECTIONS:

- Gather the materials and go outside in the backyard.
- Fill the Ziplock bag about 2/3 full of water.
- After squishing out the air, make sure the bag is sealed tight.
- Ask your child what they think will happen if they poke a pencil through the bag.
- Have them make a hypothesis and then see if it really happens. Sometimes the results can be surprising!
- Encourage your child to use the sharp end of pencils and push them through the bag.

[Click here](#) for more activities.

SCHOOL-AGERS (6 – 12 YEARS)

BOTTLE ROCKET

MATERIALS:

- Plastic bottle
- Three pencils
- Duct tape
- A cork that fits the bottle
- Baking soda
- Vinegar

DIRECTIONS:

- Bring all the materials outside.
- First prepare your rocket. Tape pencils to the plastic bottle so that the flat end will touch the ground when the bottle is upside down.
- Pour vinegar into the bottle.
- Add the baking soda and quickly push in the cork. You only need a little bit of baking soda.
- Flip the DIY bottle rocket upside down, step back and wait for it to launch.

[Click here](#) for more activities.



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and Citizenship Canada

Immigration, Réfugiés
et Citoyenneté Canada

A TIP FOR TODAY

- Study nature in an outdoor environment. For example, at the beach or in a backyard.
- Give your child the time and space to explore and discover on their own.
- Enjoy discussing the questions your child asks. Encourage them to share their perspective and observations.