

# STEAM newsletter

April 29th, 2020

***Looking for something fun and educational to do at home?***

**Science, Technology, Engineering, Arts, Math**

Just click the links for activities, programs, and other fun!

For more ORL STEAM content visit: [www.orl.bc.ca/steam](http://www.orl.bc.ca/steam)

## SCIENCE

**Garbage Science Experiments (All Ages)** – Do you want to change a potato chip bag into a keychain adornment or would you like to crush a pop can by just using water. These two experiments use heat to demonstrate changes in molecular structure and pressure.

**Water Cycle in a Bag (Grades Pre-2)** – This experiment provides an easy and fun way to learn about how the water cycle on earth works.

## TECHNOLOGY

**A Cardboard Laptop for Kids (PreSch)** – Learn how to make a cardboard laptop with interchangeable screens.

**Building With Blocks and Technology (PreSch)** – Build a tower with toy blocks. Take a picture of the tower with a tablet or smart phone and then have your kids recreate the tower from your picture.



## ENGINEERING

[Build an Aircraft \(Grades 4-7\)](#) – All kids love things that they can launch and fly. This site offers lots of ideas for building and flying planes using paper and cardboard and more.

[How to Make A Mini Robot \(Grades 5-8\)](#) – Did you ever want to build your own robot? Here is a fun way to build a simple robot, with easily found supplies.

## ART



[Fizzy Fun with Baking Soda Art \(All Ages\)](#) – Fizzy painting is a fun way to create art using baking soda, vinegar and food colour.

[Raised Salt Painting \(All Ages\)](#) – A great way to create art using only glue, table salt, and paint.

## MATH

[The Tower of Hanoi: Math Logic Puzzle \(Grades 4-8\)](#) – Stack discs in this simple but fun logic puzzle game. Multiple levels for increasing challenges!

[Flipping Pancakes Fractions \(Grades 3-5\)](#) - A fast-paced, engaging game for learning fractions and parts of a set.

## & MORE

[Build a Lego Volcano \(Grades K-5\)](#) – Do your kids love Lego? Have they ever wanted to build their own volcano? Here is an easy fun way to combine the two into one great project.

[Poptropica \(Grades 1-4\)](#) - Poptropica is a fun fantasy game where kids explore a virtual world, play adventures, and adopt pets . This world is created with Jeff Kinney, author of "Diary of a Wimpy Kid".