

# STEAM newsletter

April 8, 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

**Morphy (Grades 3 to 6)** - Morphy is a life science game that teaches students that animals have external structures that function to support survival and behavior.

**Disaster Detector (Grades 6 to 8)** - Disaster Detector teaches players how to analyze and interpret data on natural hazards to forecast future catastrophic events and how to implement tools to mitigate the effects of those disasters.

## TECHNOLOGY

**ScratchJr (Grades K-2)** - With ScratchJr young children can program their own interactive stories and games. Solve problems, design programs, and be creative!

**Stop Motion Animation for Beginners (All Ages)** - A tutorial on how to do stop-motion animation with an iPad or similar device. Let's get started!



## ENGINEERING

[Catapults for Kids \(All Ages\)](#) - With simple popsicle sticks you can create a fun engineering project. This is great for young and older kids alike.

[Slingshot Straw Rockets \(Grades 5-8\)](#) - Simple and inexpensive to build. The slingshot rocket may take a little practice to use, but the payoff is well worth it as you launch it over 50'!

## ART

[Museum Art Using Materials at Home \(All Ages\)](#) -

Museums have been asking people to recreate paintings with materials they have at home. Check out some of these hilarious and masterful results. What can you make?

[Galaxy Jars \(All Ages\)](#) - Get crafty using simple materials to make a stunning, glittering galaxy in a jar!



## MATH

[Counting Beads on Pipe Cleaners \(Grades Pre-2\)](#) -

Using colourful pipe cleaners and beads you can set up a fun counting math activity for kids - perfect for children who are at the early stages of developing their numeracy skills.

[Create a Simple Tessellation \(Grades 8-12\)](#) - Tessellations are patterns resulting from arranging, or tiling, shapes without any gaps.

## & MORE

[KiDNuZ \(All Ages\)](#) - This podcast, created by moms who are broadcast journalists, offers young listeners five minutes of kid-friendly news (followed by a quick quiz) each day, five days a week.

[Science Friday \(Grades 10-12\)](#) - Covering the outer reaches of space to the tiniest microbes in our bodies, Science Friday is the trusted source for news about science, technology, and other cool stuff.