

STEAM newsletter

April 22, 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

SCIENCE

Build a Paddle Boat (Grades 2-4) - Any activity that involves water is always fun. This DIY plastic paddle boat will be a hit with kids of all ages, and is appropriate for inside or outside exploration.

Rainbow in a Jar (All Ages) - With just a few common household ingredients like dish soap and honey, your kids can actually create a rainbow in a jar. What a great way to explore the density of different liquids.

TECHNOLOGY

Scratch (Grades 3+) - With Scratch, you can program your own interactive stories, games, and animations.

Coding a Lego Maze (Grades K-8) - Create a maze using Lego, and then write the code needed for a Lego Character to successfully walk from one end to the other.



ENGINEERING

[Ping Pong Ball Launcher \(Grades K-5\)](#) - Shoot ping pong balls through the air with this fun (and simple!) homemade toy. Challenge your kids to see how far they can shoot their ping pong balls.

[Homemade Spectroscope \(Grades K-3\)](#) - Make a homemade spectroscope with a few simple materials and explore the spectrum of different light sources. You'll see all kinds of rainbows!

ART

[Watercolour and Salt \(All Ages\)](#) - Paper, salt and watercolour paint come together to create some incredible results. What kind of designs can your kids make?

[DIY Geo Board \(Grades 3-7\)](#) - Make your own geo board using Styrofoam and pins. What kinds of shapes can you make with different colours of string, ribbon, or rubber bands?



MATH

[Pattern Building Blocks \(Grades Pre-2\)](#) - Pattern blocks or squares are easy to make, and will be a huge hit. There are so many ways to learn and discover with this hands-on activity.

[Catapult Addition: A DIY Math Game \(Grades 1-4\)](#) - Kids love building and using catapults. Discover this fun way to use a catapult to build basic math skills.

& MORE

[Ear Snacks \(Grades Pre-2\)](#) - This podcast from children's music duo Andrew & Polly covers a range of topics by talking to actual kids as well as experts, providing thoughtful fun for young ones.

[Stories Podcast \(Grades 2-6\)](#) - This podcast is going strong with kid-friendly renditions of classic stories, fairy tales, and original works. Features longer stories with a vivid vocabulary.