

# STEAM newsletter

July 29, 2020

**Are you looking for something fun and educational to do at home?  
Check out these library recommended STEAM activities, programs, podcasts  
and more!**

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



## STEAM JOKE OF THE WEEK

Don't give a phone to a biologist, they can't stop taking cell-fies.

## 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.

**[BumperDucks \(Grades 6-8\)](#)** - BumperDucks is an educational physical science game that will help teach players about what happens when two objects collide and how mass impacts the acceleration of an object.

## TECHNOLOGY

**[Backyard Coding Game \(Grades Pre-2\)](#)** - Play this game using If-Then statements to get your bodies moving and learn simple programming logic.

**[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

[Zip Line Engineering Challenge \(Grades 5-9\)](#) – Design and build a zip line that can carry a doll from one point to another, using gravity to create the motion needed for the trip.

[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.

[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



# 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!

[M&Ms Geometry \(Grades 2-5\)](#) – When an adult exclaims “How much candy did you eat?!?” learn how to impress them by telling them exactly how much down to the cubic centimeter.

# & MORE

[So You Stocked Up on Toilet Paper? \(Grades K-8\)](#) - Do you have a surplus of toilet paper? Keep your kids busy with these toilet paper STEAM activities.

[87 Family Activities to Help You Avoid Coronavirus Cabin Fever \(Grades K+\)](#) – Feeling the drag of being stuck at home? Check out these family activities to avoid cabin fever this summer.