



# November At-A-Glance

## Architecture Challenge

**MPV** - Saturday, November 2nd @ 2:30 pm  
**CC** - Saturday, November 16th @ 2:00 pm

## Articulated Hand

**SF** - Saturday, November 30th @ 2:00 pm

## Barbie Bungee Jump

**SP** - Saturday, November 23rd @ 2:00 pm

## Binary Coding

**CC** - Saturday, November 2nd @ 2:00 pm  
**CH** - Saturday, November 16th @ 2:30 pm

## Catapult Challenge

**GM** - Saturday, November 23rd @ 2:00 pm

## Compass Navigation

**FC** - Saturday, November 23rd @ 2:30 pm

## Dash Coding

**SP** - Saturday, November 2nd @ 2:00 pm  
**GM** - Saturday, November 30th @ 2:00pm

## Food Chain Game

**FC** - Saturday, November 2nd @ 2:30 pm  
**GM** - Saturday, November 16th @ 2:00 pm

## FOLD Kids: The Bee Mother

**CC** - Saturday, November 9th @ 2:00 pm  
**GM** - Saturday, November 9th @ 2:00 pm  
**SF** - Saturday, November 9th @ 2:00 pm  
**SP** - Saturday, November 9th @ 2:00 pm  
**CH** - Saturday, November 9th @ 2:30 pm  
**FC** - Saturday, November 9th @ 2:30 pm  
**SW** - Saturday, November 9th @ 2:30 pm  
**MPV** - Saturday, November 9th @ 2:30 pm

## Hour of Code

**SF** - Saturday, November 2nd @ 2:00 pm

## Magnificent Magnet Art

**MPV** - Saturday, November 16th @ 2:30 pm  
**FC** - Saturday, November 30th @ 2:30 pm

## MakeDo Construction Challenge

**SW** - Saturday, November 2nd @ 2:30 pm  
**CC** - Saturday, November 23rd @ 2:00 pm

## Makey Makey Instruments

**CH** - Saturday, November 2nd @ 2:30 pm  
**FC** - Saturday, November 16th @ 2:30 pm

## Ozobots

**SF** - Saturday, November 23rd @ 2:00 pm

## Paper Roller Coasters

**MPV** - Saturday, November 23rd @ 2:30 pm

## Seismic Shakeup

**SW** - Saturday, November 23rd @ 2:30 pm

## Sky High Helicopters

**CH** - Saturday, November 30th @ 2:30 pm

## Walking Water

**CH** - Saturday, November 23rd @ 2:30 pm

## Wind Energy

**SF** - Saturday, November 16th @ 2:00 pm

### Branch Codes:

**CC** - Cyril Clark  
**CH** - Chinguacousy  
**FC** - Four Corners  
**GM** - Gore Meadows

**MPV** - Mount Pleasant Village  
**SF** - South Fletchers  
**SP** - Springdale  
**SW** - South West



# November At-A-Glance

## Architecture Challenge

Design and build a structure that solves a problem using a variety of materials that are best suited to their specific structure.

## Articulated Hand

Learn about the anatomy of a human hand by creating your own robotic hand with fingers that can bend and move!

## Barbie Bungee Jump

Explore the concepts of gravity and elasticity by creating and testing a bungee jump for a Barbie doll. Will your doll be able to bungee jump without hitting the ground?

## Binary Coding

Explore the concepts of number systems and positional notation by learning about Binary Code. Practice counting, addition and other math skills in this challenge.

## Catapult Challenge

Ready, aim, FIRE! Your challenge is to create a catapult-like device that will launch a projectile at least 5 feet forward with accuracy. Test your design, then make modifications to improve the results.

## Compass Navigation

Learn about magnets and the Earth's magnetic field when you create your own compasses. You will also practice mastering your mapping skills!

## Dash Coding

Learn to code a Dash robot using the GO and Blockly apps to help him get his driver's license.

## Food Chain Game

Learn about ecosystems and food webs through active games and puzzle activities.

Kids Discovery Club is open to ages 6-12, however, children under the age of 8 typically require the assistance of a parent or caregiver.

Kids Discovery Club activities are not appropriate for children under the age of 6.

This schedule is subject to change. Please check our online calendar at [bramptonlibrary.ca](http://bramptonlibrary.ca) for the most up-to-date information.

## FOLD Kids: The Bee Mother

Join us for a special Kids Discovery Club, inspired by the book, The Bee Mother by Hetxw'ms Gyetxw Brett D. Huson and Natasha Donovan, as part of FOLD Kids Book Fest.

## Hour of Code

Explore computer science and programming with Hour of Code, featuring your favourite characters from Disney's Frozen, Star Wars, and Minecraft!

## Ozobots

Learn how to use tiny interactive robots that are coded or programmed with coloured lines.

## Magnificent Magnet Art

Learn to harness the power of magnets to create MAGnificent magnet art!

## MakeDo Construction Challenge

Use simple tools and cardboard to construct your very own original designs.

## Makey Makey Instruments

Design a creative musical instrument out of conductive materials and a MaKey MaKey circuit board, then use SCRATCH coding to program musical sounds.

## Paper Roller Coasters

Design and build a roller coaster using paper and adhesive materials! The activity will explore basic concepts of structural engineering and gravity.

## Seismic Shakeup

Design and build a structure stable and sturdy enough to survive an earthquake then test it on our shake table to see what happens!

## Sky High Helicopters

Explore the concepts of air resistance, drag and potential energy when you design and build a helicopter that can fly up to 20 feet in the air!

## Walking Water

Learn about colour mixing, capillary action, and absorption in this colourful challenge.

## Wind Energy

Learn the concepts of electricity and renewable resources by creating wind turbines and anemometers to measure wind speed.