


TUESDAY

CIBC Event Kick Off
10:00AM – 10:30AM

Girls who Game
10:30AM – 11:00AM


5 MIN BREAK

 **Build a Rubber Band Car**
11:05AM – 11:30AM

Professional Gamers Panel
11:30AM – 12:00PM


STEM & DJing
lunchtime entertainment
12:00PM – 1:00PM

Women in STEM: Drag Racing
1:00PM – 1:30PM


 **Science of Cupcakes**
1:30PM – 2:00PM

WEDNESDAY

Welcome 10:00AM – 10:15AM

 **Frostology**
10:30AM – 11:00AM


5 MIN BREAK

 **Cloud in a Jar**
11:05AM – 11:30AM

Tech in Nature
11:30AM – 12:00PM

STEM & DJing
lunchtime entertainment
12:00PM – 1:00PM

Fireside Chat: Girls in STEM
1:00PM – 1:30PM

 **Life in a Bottle**
1:30PM – 2:00PM

THURSDAY

Welcome 10:00AM – 10:15AM

Why Engineering?
10:15AM – 11:00AM

5 MIN BREAK

Confident Me
11:05AM – 11:30AM

STEM & DJing
lunchtime entertainment
12:00PM – 1:00PM

Machine Learning
1:00PM – 1:30PM

Create your own Computer Game
1:30PM – 2:00PM


Click on any session to join! **Password: stem123**


TUESDAY MARCH 15 - Power & Kinetic Energy


PLEASE NOTE ALL TIMES IN EDT

TIME	SESSION
10:00AM – 10:30AM	CIBC Event Kick Off with Jane Yuen
10:30AM – 11:00AM	Girls who Game with Dell Game on! Come and learn about the world of esports from the Girls Who Game!
11:00AM – 11:05AM	Break - Grab a water, stretch, collect materials
11:05AM – 11:30AM	Activity: Building a car using rubber bands In this session, we will learn about potential and kinetic energy, and the engineering design process to build a fully functioning model car! <i>Supplies Required: 2 paper straws, 1 skewer, 1 lollipop sticks, 4 cardboard circles or plastic lids (make a hole in the middle beforehand), rubber bands, glue, scissor, marker and ruler</i>
11:30AM – 12:00PM	Microsoft Professional Gamers Panel Meet a mix of Professional Gamers at Xbox, management from Microsoft and industry leaders who will talk about how to become a gamer!
12:00PM – 1:00PM	Lunch - STEM & DJing
1:00PM – 1:30PM	Women in STEM: Drag Racing



TIME	SESSION
1:30PM – 2:00PM	<p data-bbox="665 297 1263 344">Activity: Science of Cupcakes</p> <p data-bbox="665 354 2453 475">In this activity, we will be observing the role ingredients play in cupcakes. Have you ever wondered why you need eggs for baking? Or why oil is needed? Come explore the properties of ingredients and observe the changes in states of matter!</p> <p data-bbox="665 529 2440 654"><i>Supplies Required: microwave oven, 1 large mug, 1 fork, 4 Tbsp of plain white flour, 2 Tbsp granulated sugar or caster sugar, ½ tsp baking powder, 1 small egg, 2 Tbsp vegetable oil, 2 Tbsp water, 2 Tbsp chocolate chips or blueberries (optional)</i></p> 

TIME	SESSION
10:00AM – 10:10AM	CIBC Welcome and Land Acknowledgement
10:30AM – 11:00AM	<p>Activity: Frostology </p> <p>Watch amazing dry ice and liquid nitrogen demonstrations while also getting the chance to make your very own slime.</p> <p><i>Supplies Required: Glue and Borax</i></p>
11:00AM – 11:05AM	Break - Grab a water, stretch, collect materials
11:05AM – 11:30AM	<p>Activity: Cloud in a Jar</p> <p>Ever wonder how clouds are made? This super fun and simple experiment will help teach your kids about the physical changes and reactions that happen as clouds form within the atmosphere</p> <p><i>Supplies Required: Jar with lid, 1/3 cups hot water, ice and hairspray</i></p>
11:30AM – 12:00PM	<p>Tech in Nature</p> <p>What do a North Atlantic Right Whale, a cellular telephone, and a NASA satellite have in common? Join this session to find out the answer and learn how the Canadian Wildlife Federation is using Science Technology Engineering and Math (STEM) in their Marine Program to help save the North Atlantic Right Whale and other marine wildlife.</p>
12:00PM – 1:00PM	Lunch - STEM & DJing
1:00PM – 1:30PM	<p>Fireside Chat: Girls in STEM</p> <p>Come hear their stories and ask questions from four young women in university and/or who are starting their career journeys in STEM</p>

TIME	SESSION
1:30PM – 2:00PM	<p data-bbox="667 237 1151 282">Activity: Life in a Bottle</p> <p data-bbox="667 294 2397 372">Your impact on the environment is important. By learning about the development of life, weather, climate, and our carbon footprint, students will learn how the human impact on climate change is affecting our world.</p> <p data-bbox="667 425 1989 461"><i>Supplies Required: 2L bottle, 2 cups of rocks or sand, 1 – 2 cups of soil, tape and scissors</i></p> 

TIME	SESSION
10:00AM – 10:10AM	CIBC Welcome and Land Acknowledgement
10:15AM – 11:00AM	<p>Why Engineering?</p> <p>Did you know that most CEOs are engineers? You might be asking yourself; what is Engineering, are all Engineers really geniuses, and can I ever become one? If you want to follow this path of becoming a successful Engineer, join us and find out how. This session will be outlining the steps to follow, from elementary school to high school, and potential careers that one could have to leave their mark on the world.</p>
11:00AM – 11:05AM	Break - Grab a water, stretch, collect materials
11:05AM – 12:00PM	<p>Confident Me</p> <p>More than 80% of girls avoid activities they love because they don't feel good about the way they look. This 1-hour workshop created learning experts and youth, builds the skills, knowledge, and resiliency they need to develop strong body confidence and self-esteem. Girls are telling us they want to learn and grow to have greater representation in STEM fields. In order to break down barriers, confidence is key.</p>
12:00PM – 1:00PM	Lunch - STEM & DJing
1:00PM – 1:30PM	Machine Learning Event Presentation
1:30PM – 2:00PM	<p>Activity: Creating Your Own Computer Game Using Scratch</p> <p>In this session you'll learn what "code" is and why it's important. You'll be introduced to some basic coding principles too. Then we'll play around with Scratch - a website for a visual programming language that allows you to create your own interactive stories, games and animations by clicking and dragging coding instructions. You can choose whichever project interests you the most and then get building!</p>