

Day 1 (July 12): You + STEM = Our Future

Date: July 12th

Start Time: 11:00 EST / 9:00 MST

Activity Name	Time (EST)	Partner	Description	Recommended Age	Supplies	Facilitators	Time (MST)
Opening Address	11:00 - 11:15 EST	SNP STEAM Acadmey	The Opening Address is an indigenous tradition, recited when they gather together at all Onkwehonwe (what we call ourselves as the Original people of this land)	All	Stable wifi, computer	Ikekiss Kennedy	9:00 - 9:15 MST
Learn from Leaders Panel	11:15 - 12:15 EST	TechImpact, DeepSense	Curious about careers in STEM? How do you get there? How is STEM used in daily life? Learn from Jennifer LaPlante, Executive Director at DeepSense, and Cathy Simpson, CEO of TechImpact, in an engaging discussion led by Grade 10 student Ramona Karimi. You Belong Here!	All	Stable wifi, computer	Ramona Karimi, Cathy Simpson, CEO TechImpact & Jennifer LaPlante, DeepSense	9:15 - 10:15 MST
Break	12:15- 12:30 EST		Bring your lunch/ a snack to the main room and get to know other campers! Have questions? Bring those too!				10:15 - 10:30 MST
Confident Me	12:30 - 1:30 EST	Plan International	Confident Me is a one-hour workshop that cultivates self-esteem and body positivity for youth, especially between the ages of 10-14, by challenging gender norms and beauty stereotypes. The program focuses on empowering young people in Canada to develop the confidence they'll need in assuming leadership roles throughout their lives.	Grade 7+	Stable wifi, computer	Hani Ali & Lauren Adams	10:30 - 11:30 MST
Automation and Robotics w/ the Barrett Centre for Technology Innovation	1:35 - 2:35 EST	Barrett Centre for Technology Innovation: Humber Institute of Technology & Advanced Learning	The Barrett Centre for Technology Innovation was designed to inspire youth and promote STEAM. Have you ever wondered what makes a robot tick? Join us as we showcase the latest technologies in robotics, automated guided vehicles (AGVs) and collaborative robots, a quick introduction to Mechatronics, and our humanoid robot, Pepper.	Grade 7+	Stable wifi, computer	Temu Moore	11:35 - 12:35 MST
Cybersecurity	2:40 - 3:40 EST	Fortinet	Coming soon!	Grade 7+	Stable wifi, computer	Coming soon!	12:40 - 1:40 MST
Learning with Robots	3:45 - 4:30 EST	EZ Robot	Our Education Robotics aims to teach and inspire educators and boys and girls of all ages, and levels of academic ability about the world of robotics and how they can learn to code and program their robot in preparation for the future. With a passion to continuously share knowledge, EZ-Robot's CEO, Dennis Kambeitz's contagious energy has inspired thousands of students over years, making his learning sessions FUN, informative, exciting, and possibly even "life-changing". Dennis will host a 45-minute live session or webinar day of learning for all the school's students using EZ-Robot's humanoids, hexapods, and rovers. The session will show how the future is impacting and changing through robotics and AI, while teaching students to think, analyze and come up with creative solutions to develop their knowledge through assembly, coding, and operation of the robots. 45 minutes is all you need to instill confidence that any person/student of any academic ability or age can easily learn these technologies.	Grade 7+	Stable wifi, computer	Dennis Kambeitz	1:45 - 2:30 MST
Learn from Leaders Panel	4:35 - 5:35 EST	TechImpact, DeepSense	Curious about careers in STEM? How do you get there? How is STEM used in daily life? Learn from Jennifer LaPlante, Executive Director at DeepSense, and Cathy Simpson, CEO of TechImpact, in an engaging discussion led by Grade 10 student Ramona Karimi. You Belong Here!	All	Stable wifi, computer	Ramona Karimi, Cathy Simpson, CEO TechImpact & Jennifer LaPlante, DeepSense	2:35 - 3:35 MST

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Activity Name	Time (EST)	Partner	Description	Recommended Age	Supplies	Facilitators	Time (MST)
Web Design Workshop	11:00 - 12:00 EST	IBM	Learn how you can create and style your own HTML webpages. A beginner course that will provide many options for further learning.	Grade 7+	Stable wifi, computer	Natasha DeCoste	9:00 - 10:00 MST
Intro to IBM SkillsBuild	12:00 - 12:30 EST	IBM	Ready to start building your future? Learn about IBM SkillsBuild! A place where you can explore new technologies, build skills that are foundational for the workplace, and earn professional badges to show what you've learned—all for free.	All	Stable wifi, computer	Ella Hough	10:00 - 10:30 MST
Intro To Scratch	12:30 - 1:30 EST	Robo Raiders	In this session you'll learn about 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!	Grade 7+	Stable wifi, computer	Shilvi Shah & Jamie Cridge	10:30 - 11:30 MST
Intro To Digital Arts	1:35 - 2:35 EST	VANAS	Welcome to the exciting world of digital entertainment. In this Introduction to Digital Arts workshop, participants learn some of the roles and positions in the Animation, Visual Effects, and Video Game studios. By the end of the workshop, participants experience a professional studio pipeline.	Grade 11 & 12	Stable wifi, computer	Mario Pochat	11:35 - 12:35 MST
Build a Chatbot	2:40 - 3:40 EST	IBM	Join us to learn what Artificial Intelligence and Machine Learning really is AND build your own chat bot with Watson technology! This session will have entertaining and educational materials along with follow-me labs. This lab has been specifically designed to make learning Watson AI easy and fun to understand.	Grade 7+	Stable wifi, computer	Chung Zheng & Lucy Yu	12:40 - 1:40 MST
Exploring the Digital Ocean	3:45 - 4:30 EST	Centre for Ocean Ventures & Entrepreneurship (COVE)	Learn about how scientists collect data to better understand what goes on beneath the waves. You will have the opportunity to look at real ocean data and explore what it can tell us about life underwater.	Grade 7+	Stable wifi, computer	Michael Goudreault, Emily Allen & Katherine Mataya	1:45 - 2:30 MST
Web Design Workshop	4:35 - 5:35 EST	IBM	Learn how you can create and style your own HTML webpages. A beginner course that will provide many options for further learning.	Grade 7+	Stable wifi, computer	Chloe Maceda	2:35 - 3:35 MST

Day 3 (July 14): (S)cience & (E)ngineering Deep Dive

Date: July 14th

Start Time: 11:00 EST / 9:00 MST

Activity Name	Time (EST)	Partner	Description	Recommended Age	Supplies	Facilitators	Time (MST)
Why Engineering?	11:00 - 12:00 EST	IBM	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.	Grade 7+	Stable wifi, computer	Hiranniya Yogaratnarajah	9:00 - 10:00 MST
Break	12:00 - 12:30 EST		Bring your lunch/ a snack to the main room and get to know other campers! Have questions? Bring those too!				10:00 - 10:30 MST
The World of DNA	12:30 - 1:30 EST	Robo Raiders	Introduction on DNA, its function, and databases in which we can find these sequences	Grade 7+	2 Twizzlers, 7-10 Soft Candy (Gummy bears, gum drops, or mini marshmallows), 5 Toothpicks, Paper, Pen	Shilvi Shah & Jamie Cridge	10:30 - 11:30 MST
Online Scams & Fact vs. Fiction	1:35 - 2:35 EST	PANW (Palo Alto)	Because devices can easily connect people all around the world, children cannot be sure whom they're talking to online. It is important for them to understand that some stories or social media profiles may not be authentic. How can we verify that things we're seeing are true or accurate?	Grade 6+	Stable wifi, computer	Sheryl Chamberlain & Matt Drugan	11:35 - 12:35 MST
Be an Astronomer! (with the Rothney Astrophysical Observatory)	2:40 - 3:40 EST	UofCalgary	Tour the observatory and discover how astronomers collect light and answer the big questions of how far, how fast, how hot and old are the stars in our galaxy. We also will share tips on how you can go out and observe the summer night sky.	Grade 7+	Stable wifi, computer	Jennifer Howse	12:40 - 1:40 MST
Build a Boat with COVE	3:45 - 4:15 EST	Centre for Ocean Ventures & Entrepreneurship (COVE)	Dive into the world of shipbuilding, we'll discuss the range of roles from engineers to technical writers that help create amazing vessels. Then find some materials from around your house and apply your engineering knowhow to build a floating ship.	Grade 7+	Stable wifi, computer, Recycling (bottles, milk cartons, cardboard), tape, weights (cans work well)	Katherine Mataya & Michael Goudreault	1:45 - 2:15 MST
Closing Address	4:20 - 4:35 EST	IBM	Thank you for joining us! Before we sign off, join this session for some closing words of gratitude and steps you can take to further your learning.	All	Stable wifi, computer	Partik Dullat	2:20 - 2:35 MST
Why Engineering?	4:35 - 5:35 EST	IBM	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.	Grade 7+	Stable wifi, computer	Hiranniya Yogaratnarajah	2:35 - 3:35 MST