

# SUMMER CAMPS PROGRAMS

## BrainSTEM Learning Canada



BrainSTEM learning® want your kids to have fun and enjoy their summer like never, using science, technology, engineering and math in a creative and fun way...

### WEEK 1: ADVENTURE VACATIONS

Kids are going to plan their own holiday activities, build an airplane, an skyscraper, make parachutes, build their own sail boat and air hot balloon.

### WEEK 2: STEM OLYMPIC CHALLENGE

They will build a mini crossbow, programing their own robot for special competitions, build their own Nano bugs, and compete in super train races.

### WEEK 3: CRAZY SCIENCE CHALLENGE

Launch water rockets, discover pneumatic principles, build a truck with a mechanical hook, create their fuel cell that generates hydrogen using solar energy, turn on a LED light spinning magnets, they will learn about production line manufacturing, making their own ice cream.

### WEEK 4: AQUATIC AMUSEMENT

They will discover what buoyancy means and the science behind scuba diving, build their own boat with air propulsion and their own submarine and finally face a challenge against time building powerboats.



### WEEK 5: CHALLENGING PHYSICS

The students will build their own roller coaster; a cabin that can resist harm crashes and extreme falls from certain distances; build their own catapult and crazy slime, finally build their own dragster.

### WEEK 6: TRUE STEM HEROS

They face the challenge of save marine life of an oil spill, they will make their own solid water that could be as hard as a shield, they will generate electric energy from kinetic wind energy and they will make their own car powered with solar energy.

### WEEK 7: CHALLENGING CONSTRUCTION

Your children will learn about Simple Machines, build their own Solar Bike, Learn about construction, build a bridge, and design their own Zip-line sail

### WEEK 8: MINDSTORM EV3 ROBOTS

This exciting week of Robotics, the students will build their own EV3 Robot, play Gotcha with the EV3, their EV3s will have an In-line skating race, Robot-communications, and their EV3 will make its way through an obstacle course.

### WEEK 9: AMUSEMENT PARK RIDES

Build your own Carrousel, Ferris Wheel, Giant Roller Coaster, and have two days of Robo-Animals challenges.

WEEK	PROGRAMS	COST PER WEEK	ALL 9 WEEKS	ALL 9 WEEKS SECOND CHILD	Mon-Fri From July 4th -Sept 2nd	AGES
1	ADVENTURE VACATIONS	\$270	\$1900 (20% OFF)	\$1520 (36% OFF)	9 am – 12 pm or 1 pm – 4 pm	8-14
2	STEM OLYMPIC CHALLENGE	\$270				
3	CRAZY SCIENCE CHALLENGE	\$270				
4	AQUATIC AMUSEMENT	\$270				
5	CHALLENGING PHYSICS	\$216				
6	TRUE STEM HEROES	\$270				
7	CHALLENGING CONSTRUCTION	\$270				
8	MINDSTORM EV3 ROBOTS	\$270				
9	AMUSEMENT PARK RIDES	\$270				
	Total	\$2376				

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