

# Tech and Nature

## Program Description



*In six weekly science lessons children will learn about variety of subjects related to the natural environment and find out how that knowledge influences the development of technology. They will build exciting environmental take-homes to continue their explorations with parents and friends.*

## MAD SCIENCE Tech and Nature

6-week afterschool program  
K-Gr.6



book online  
[vancouverisland.madscience.org](http://vancouverisland.madscience.org)

MAD SCIENCE  
VANCOUVER ISLAND

250-391-1814  
[info@madscienceisland.com](mailto:info@madscienceisland.com)

**WHERE: Cloverdale Traditional Elementary, strings room**

**WHEN: Wednesdays, 3:00 - 4:00PM 24.1. - 28.2. 2018**

Price: \$128.00, Early Birds special \$120.00

REGISTER online [www.madscienceisland.com](http://www.madscienceisland.com)

Telephone: 250 391 1814

### EARTHQUAKES

Has the world always looked as it does today? Does the Earth's surface move beneath us? Is there a scientific explanation for earthquakes and tsunamis? In this class learn about the scientific theories for how/why mountains are formed, the earth rumbles, and tsunamis wash away coastlines. Through experiments and hands-on activities we will explore the sciences of geology and seismology. How these sciences help us to create smart machines that can inform us and keep people safe?

### WACKY WATER

Drink it, freeze it, boil it, splash it – It's everywhere. It's water! Taking up almost three quarters of the Earth's surface and making up 60 – 70% of all living matter on Earth, you are never without it. In this Wacky Water themed kit experiment with density and buoyancy, observe how ocean currents mix, and discover the difficulties of cleaning up oil spills. How can we build technology smart enough to help us with the difficult task of protecting our waters?

### BUGS

Let's get bug eyed! In this bug themed kit delve into the science of entomology – the study of insects. Examine insects up close and discover what sets them apart from other creepy crawlers; investigate their habitats and learn about their defense mechanisms. Bugs are small, but they can teach us great lesson. How can we use their tricks in AI robots? That's the challenge!

### EARTHWORKS – ROCKS

Earth, it's the amazing planet that we live on, but how much do you know about its functions? In this Earth science themed kit learn about the layers of the Earth and what occurs at each one. Also, through hands-on investigation, learn about rock formation, decipher rock types, and discover why some rocks glow under ultra-violet light. It's sure to be a rocking good time! Is there a technology that can face the challenges inside the Earth's crust?

### ATMOSPHERE

What is it and what does it do? In this lesson learn about Earth's protective shield, take the challenge to keep an Aquanaut dry, and create your very own sunset. Also, by comparing Earth's atmosphere to those of other planets, you will discover what it takes for a planet to be livable. How can technology help us to explore planets with different atmosphere?

### WALLOPING WEATHER

Are you ready to become weather wise? In this class we all become an amateur meteorologists and examine the reasons for seasons, investigate different cloud types, and learn about the stages of the water cycle. How can technology help us to deal with the dramatic effects of global warming and extreme weather?



BIRTHDAY PARTIES, SHOWS  
CAMPS, WORKSHOPS, FUN!