



MAD SCIENCE VANCOUVER ISLAND  
250-391-1814 1-888-954-6237  
[vancouverisland.madscience.org](http://vancouverisland.madscience.org)

## DEEP COVE ELEMENTARY

Wednesdays, 3:10 - 4:10PM  
January 16 - February 20, 2019

### Program: **Laughing Matter**

Six weeks of exciting hands-on activities, fascinating demonstrations, inquiry based discussions, group and individual activities, and spectacular take-homes and home labs. Mad Science offers children a chance to experience how cool science can be. In this new program children explore a variety of topics from optical illusions, toys and machines, to discovering the science behind movies and magic.

*Suitable for children K -Gr 5; 6 weeks, each lesson 60 min;*

*Program cost: \$142.00 - Early Bird special \$126.00 (GST included)*

*We offer some financial assistance of the form of payment split.*

#### **Optical Illusions**

Explore the science of optical illusions! Find out how our eyes can trick our brains as a twisting coil climbs up and down without moving, and a towel turns into a dog! Children will manipulate flexible mirrors and explore the world with inverted vision, and create their own illusions. Children are introduced to concept of refraction, science of optics, and biology associated with sight.

#### **Science of Magic**

Science of Magic leaves children astounded, amazed, and educated! They learn how magicians use our assumptions and perceptions about how the world works to entertain us. Discovering how to make objects disappear and reappear using optical illusions. The art of escape with Houdini's chains and the power of perception with the crayon mind-reading trick are a few classics. The Curious Cube Take-Home lets children bring home the magic to mystify their friends and family.

#### **Detective Science**

Discover how science is used to solve real crimes! Watch as the classroom is transformed into a crime lab for this exciting exploration of the fundamentals of forensics. Children will even take home their very own Child Identification Kit. It's so much fun, it's criminal!

#### **Magic in the Kitchen**

Cooking is all about chemistry! Children get clued in on the chemical reactions that occur when they prepare, analyze and digest their food. Students will be introduced to the laboratory that we call a kitchen and they divide common kitchen activities into chemical and physical reactions. Children test food samples in search of nutrients, starch and proteins. Growing is like magic.

#### **Movie Effects**

We're going to learn first-hand how advances in science and technology are behind our favorite special effects! Movie Effects give children a chance to sit in the director's chair and discover why science is the real star on the big screen. Exciting demonstrations and hands-on activities allow children discover the science behind animation. Children investigate 3-D technology, and experience how this effect can make them feel like they are part of the action. Children will take home an animator booklet.

#### **Science of Toys**

Children will discover the science behind some of their favorite toys in this fun-packed program! Children aren't the only ones with the energy to play, their toys are packed with it, too! Children test, play and ponder over what makes toys work. They spin into action with kinetic top toys. One changes color and one flips over but they all release stored energy. This explains yo-yo tricks, the amazing "String Thing," and much more!

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