



Sparking Imaginative Learning

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MAD SCIENCE EIGHT-WEEK SCIENCE CLUB

Eight weeks of exciting hands-on activities, watch fascinating demonstrations, join in enquiry-based discussions, participate in individual and group experiments, and make amazing take-homes. Mad Science will spark the curiosity and imagination of children with fun science activities that will help them understand the world around them.



School: PORTER STREET ELEMENTARY | **Sessions:** FRIDAY, 3 – 4 P.M. (GRADES 1 – 5 ONLY)
Dates: SEPTEMBER 29 – DECEMBER 1, 2017 (NO SESSION: OCT. 27TH & NOV. 24TH – PRO-D)

Space is limited so register early - \$130 (includes tax) for 8 weeks

*** MONITOR FOR OUR eMAIL ONCE YOU REGISTER *** DEADLINE: FRIDAY, SEPTEMBER 22, 2017 ***

ROCK, PAPER, SCISSORS

Inventing means curiosity! Leonardo daVinci started as an artist and developed many scientific observations that he recorded in his notebooks over the course of his lifetime. Children learn about his many discoveries and try their hand at his experiments from writing notes backwards, measuring human proportions, building a self-supporting arch bridge to building catapults.

THINK FAST

Inventing means cooperation! Orville and Wilbur Wright worked together to develop the first self-controlled motorized flying machine. Their team efforts also lead to improved bicycle pedals and faster sleds. Children review technological advances in flight and work together to produce improved paper plane designs.

WHIZ KIDS

Inventing means practicality! Inventions and patents to protect an invention were very popular in the late 1800s. Inventors Alexander Graham Bell, Thomas Edison and Nikola Tesla were locked in several battles over electrical inventions of their era. They talk about sound and learn that anyone, a child, woman or man, can be an inventor. The topic moves from simple devices to Rube Goldberg devices and the children perform as parts of a complex human machine!

SCIENCE FICTION

Inventing means dreaming! Jules Verne and Isaac Asimov wrote about things that would be available in the future. These science fiction writers developed the reality of their current technology into future possibilities. The children develop submarines that rise or sink, wind-up space stations, and design safety capsules for payloads returning from space. They follow a telecommunications timeline and develop one for transportation.

*** PLEASE NOTE - FOUR TOPICS LISTED; ONE TOPIC OVER TWO WEEKS ***

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TO REGISTER, GO TO OUR ONLINE REGISTRATION AT:

<https://register.madscience.org/vancouver>

FOLLOW US ON FACEBOOK: MAD SCIENCE OF GREATER VANCOUVER