

## Robotics & Fun Science (Ages 9 – 13)

Students build robots and solve fun, interactive, and stimulating science-based challenges. There is no room for boredom or idleness here! This two hour class is a fast paced introduction to robot building AND hands-on challenges that introduce scientific thinking and concepts in a casual way.

**Instructor :** Alvin Bonifacio

Time : Wed 4 – 6 PM **OR** Sat 10 – 12 Noon

July	Fun Science + Robot (Knight Invader III)	* \$ 176 / 4 sessions
Aug	Fun Science + Robot (Turbo 3000 Robot Kit)	* \$ 166 / 4 sessions

(\* Materials fee is included )

### Fun Science

Such builds may include:

- The Strongest Pasta bridge
- Efficient Sun Oven
- The Titanic... raft
- The Square Bubble and beyond
- Leaning Towers of Straws and many more ....



### The Owi Knight Invader III is

a super race car which demonstrates the principles of electricity, gear mechanisms and two different models of propulsion.



### The Owi Turbo 3000 Robot Kit

is perfect for students who are curious about the inner workings of cars, electric motors, electric circuits and air propulsion.



## Drawing & Cartooning with Julie Northey



**"Kid tested,  
Teacher and  
Parent  
approved"**

Julie Northey is a published children's book illustrator with over 20 years experience educating and inspiring children. Your child will create various cartoons and illustrations while developing their unique style. Young artists will be challenged to experiment with traditional drawing methods, while learning new techniques. No special talent required, just a willingness to try!

Please have your child bring a sketch book, their favorite drawing media and even books and comics to their first session.



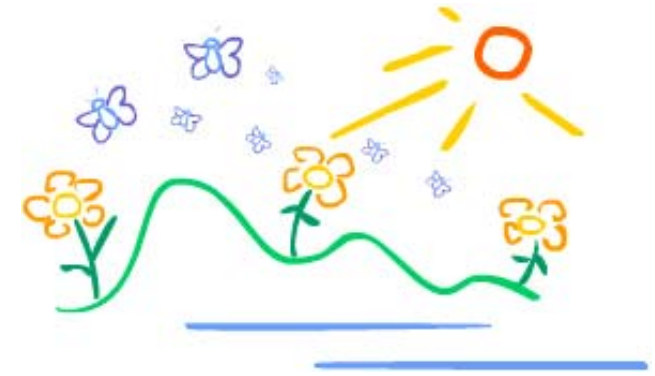
Time : Fri 4 : 30 – 6 PM (Ages 7 – 10)

6 : 15 – 7:45 PM (Ages 10 – 12)

Fee : 3 sessions July / \$ 75 (no class on July 27)

4 sessions August / \$ 100

Maximum class size is 5



# Summer @ 1 2 3

Math & Chess Learning Centre

## Drawing & Cartooning Robotics & Fun Science

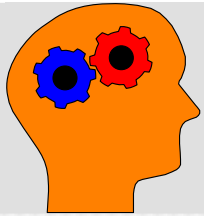
Unit 6 – 2265 West 41<sup>st</sup> Ave

604 – 271.8168

604 – 263.4567

[www.123mathandchess.com](http://www.123mathandchess.com)

Email: marho@telus.net



**Challenging Math and Problem Solving**  
數學及應用問題班

**Math and Problem Solving class (Grade 4 to 12)**

- FREE TRIAL & ASSESSMENT TEST

This course aims at helping students to

- get academic “ Full Credit ” on Summer Math course
- Be prepared for challenges ahead
- improve problem solving skills

	Mon	Tue	Wed	Th	Fri	Sat
10AM- 12	✓	✓	✓	✓	✓	✓
12 – 2PM						✓
2 – 4PM	✓	✓	✓	✓	✓	
4 – 6PM	✓	✓	✓	✓	✓	

Maximum class size is 4

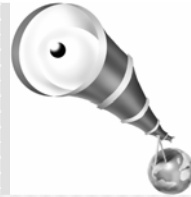
Fee: \$34 / session  
\$32 / session if family of 2 or more registering together  
( Fee does not include materials)

**AP Calculus class**

To get a head-start in Calculus especially for those who are going to take Math 12 and Calculus at the same course year.

Time : Tuesday 4 -6 PM or Thur 4 -6PM

Fee: \$34 / session  
\$32 / session if family of 2 or more registering together



**Math Challenge**  
數學競賽準備班  
( Grades 5 - 9 )

This course aims at helping those students who

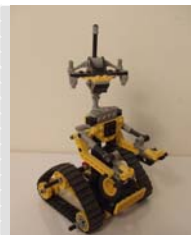
- want to strengthen and reinforce their problem solving skills
- want to compete in math contest
- prepare to take private school entrance examination

Time: 4 – 6 PM

Set 1: Wed / July / \$ 136 ( \* \$ 128 )

Set 2 : Wed / Aug / \$ 170 ( \* \$ 160 )

\* if family of 2 or more registering together



**Math + Chess**  
**Dream - makers**  
數學棋藝樂高組合  
( Grades K - 3 )

**Make your dreams come true !**

The students will

- learn basic computational skills
- solve mathematical puzzles
- learn chess
- express their creativity using LEGO !

	Mon	Tue	Wed	Th	Fri	Sat
10:30-noon	✓	✓	✓	✓	✓	✓
2-3:30PM	✓	✓	✓	✓	✓	
4-5:30PM	✓	✓	✓	✓	✓	

Maximum class size is 4

Fee : \$ 25 / session / 1 1/2 hours



**Chess for Juniors**  
青少年棋班

**Western Chess** 西洋棋班



This course is designed for those who want to advance their skills in chess. Opening theory and strategies will be taught in this class.

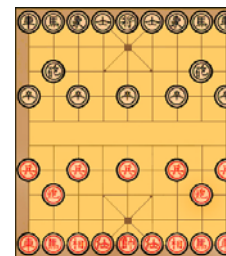
**Instructor** : Toni Deline, a candidate Master, a certified National Tournament Director and captain of the Vancouver Chess Team from 2004 to 2007. He has trained many provincial juniors chess champions.

Time : Sat / July / August 2 – 3:30PM

Fee: \$ 25 per session / 1 1/2 hours

( Please ask for other available times )

**Chinese Chess** 中國象棋班



This course is for those who want to learn or advance their skills in the Chinese Chess.

**Instructor** : Clement Cheng, representative of Vancouver who competed in the 2003 World Cup of Chinese chess

Time : Tue 4 – 5:30PM **OR** Sat 2 – 3:30PM

Fee: \$ 25 / session / 1 1/2 hours