


**GEOCACHING = TREASURE HUNTING +  
MATHEMATICS + ENGAGEMENT +  
COMMUNITY + FUN**

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## WHAT IS GEOCACHING?


**GPS**



Geocaching (pronounced geo-caching) is a worldwide game of hiding and seeking treasure. A geocacher can place a geocache in the world, pinpoint its location using GPS technology and then share the geocache's existence and location online. Anyone with a GPS device can then try to locate the geocache.

Source: <http://www.geocaching.com/about/>

## THE BASIC GEOCACHE



## REGULAR GEOCACHE



## SMALL GEOCACHE



## FAKE STONE GEOCACHE



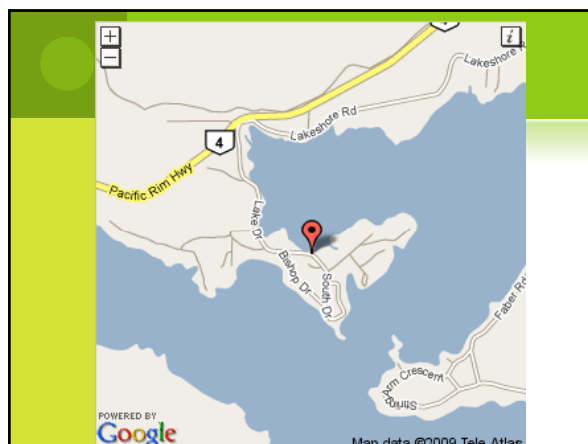


## GEOCACHE ONLINE DESCRIPTION

**Sproat Surprise**  
 A cache by [Team Geobuster](#) Hidden: 8/16/2009  
 Size:  (Small) Difficulty: ★★☆☆☆  
 Terrain: ★★☆☆☆ (1 is easiest, 5 is hardest)

Greyed out links are only available to [Premium Members](#).

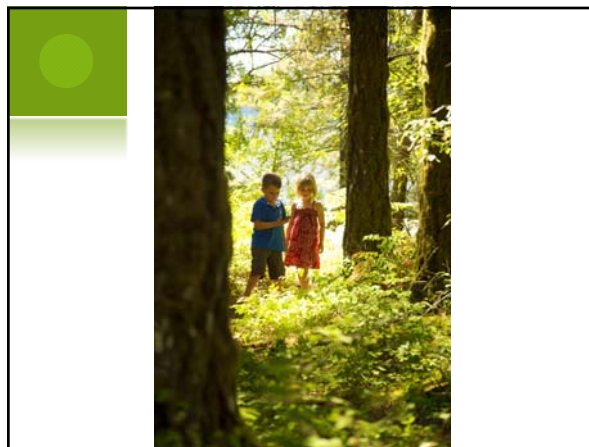
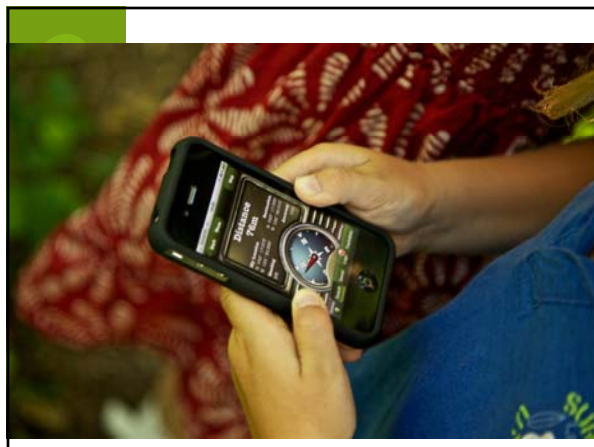
**N 49° 16.486 W 124° 58.019** [\[Other Conversions\]](#)  
 UTM: 18Q E 356927 N 515968z  
 SE 1.4km from your home coordinates  
 In British Columbia, Canada

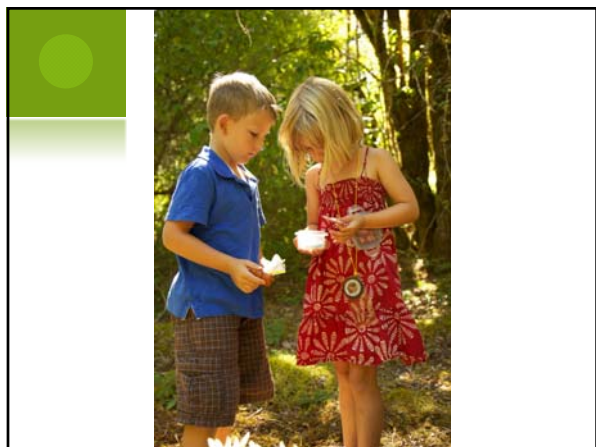
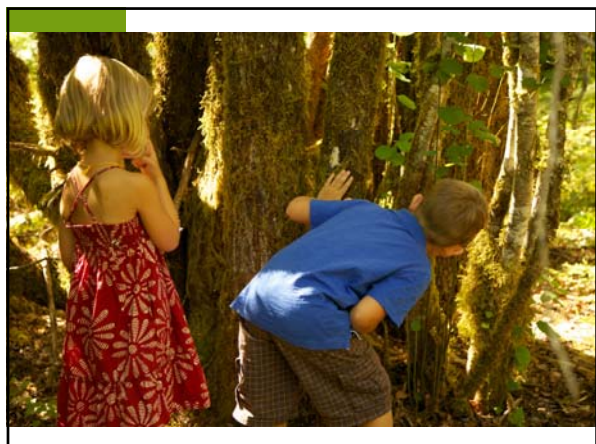


The cache is located on a Lakeshore Drive Sproat Lake. The trail is short and offers access to beautiful Sproat Lake via a small public dock. The cache is near a mossy old growth stump

Not very deep into the trail, no need to bushwack.  
 Small clear 10cm x 15cm x 6 cm container. Holds underwater goggles, Canadian stickers, bubble blower, washing mitt, puzzles, super ball, child's bracelet, and an eraser.  
 Bring your swimming gear.  
 Have fun and enjoy the view.

**Additional Hints ( No hints available )**



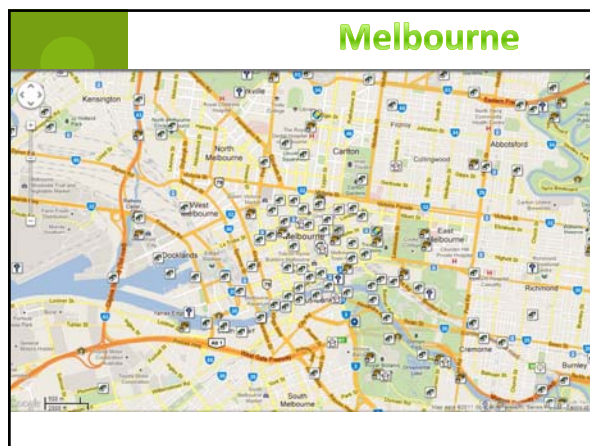
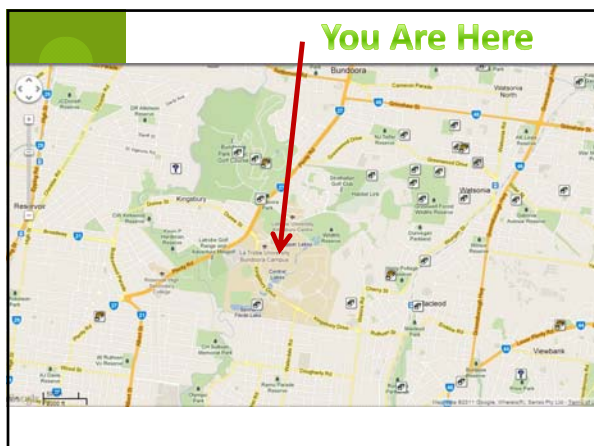


**LOGGING THE FIND ONLINE**

**vanislehunters** Found it 11/01/2009  
Premium Member  
Great little trail and cache.  
trlnsl  
TFTH [View Log](#)  
6967


**Two Grands** Found it 10/23/2009  
Premium Member  
When we found this cache its location was a nice surprise for me...I used to live across the bay when I was a little girl. I remember rowing a little boat over to this side with my brother when I was about 7 and he was 9. The anchor pilings for the float house are still visible from here. Thanks for the memones, otherwise TNLN TFTH [View Log](#)  
2887 3

**TNLNSL = Took Nothing Left Nothing Signed Logbook**  
**TFTH = Thanks For The Hide**



### WHY PLACE-BASED EDUCATION?

“Emphasizing hands-on, real-world learning experiences, this approach to education increases academic achievement, helps students develop stronger ties to their community, enhances students’ appreciation for the natural world, and creates a heightened commitment to serving as active, contributing citizens.”



David Sobel, *Childhood and Nature*

### GEOCACHING AND MATHEMATICS

- ⊙ Measurement and Geometry  
Location and Geometric reasoning
- ⊙ Distance, direction, compass points, co-ordinates, angles
- ⊙ Mapping – read, follow, plan trips, draw, using scale



#### Ronald McDonald bear

Owner: [zeke52](#)  
 Released: Monday, 18 May 2009  
 Origin: Ontario, Canada  
 Recently Spotted: [In Sprout Surprise](#)

The owner hasn't set their collectible preference.  
 Use TB2AWCF to reference this item.  
[First time logging a Trackable? Click here.](#)

**Current GOAL**  
 I want to see Vancouver Island then return to my home Cache GC1RH0B please help

**About This Item**  
 It's a Ronald McDonald bear!

Tracking History (6529.8km) [View Map](#)

01-10 of 28 records - 01 02 03 next last

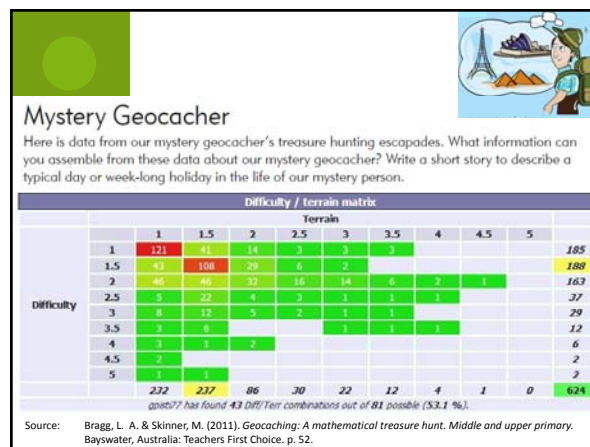
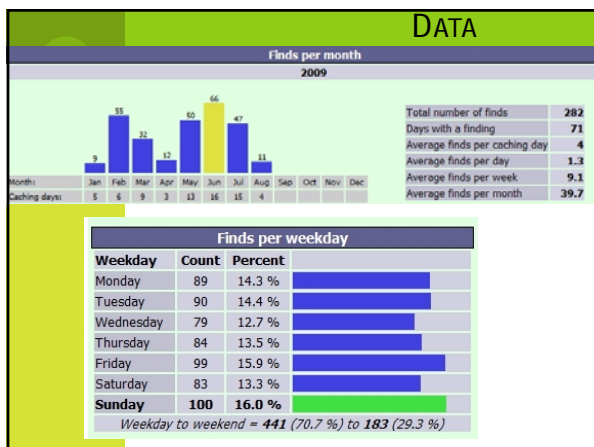
07/17/2010 [dubless.in.QUALIUM](#) placed it in [Sprout Surprise](#) British Columbia, Canada - 41.97 km [Visit Log](#)

**Send your class travel bug into the world**



## GEOCACHING AND MATHEMATICS

- ⊙ Statistics and Probability
- Data representation and interpretation
- ⊙ Analysing data
- ⊙ Interpreting data displays



## PRE-GEOCACHING SKILLS

What can you see in these directions?

north east \_\_\_\_\_

west \_\_\_\_\_

south east \_\_\_\_\_

north \_\_\_\_\_

north west \_\_\_\_\_

south \_\_\_\_\_

east \_\_\_\_\_

Visualise your home.  
Describe which direction it is from the school.

\_\_\_\_\_

Source: Bragg, L. A. & Skinner, M. (2011). *Geocaching: A mathematical treasure hunt. Middle and upper primary.* Bayswater, Australia: Teachers First Choice.

## CHALK COMPASS

Which direction is ...?

The playground \_\_\_\_\_

The office \_\_\_\_\_

The toilets \_\_\_\_\_

The school hall \_\_\_\_\_

The school front gate \_\_\_\_\_

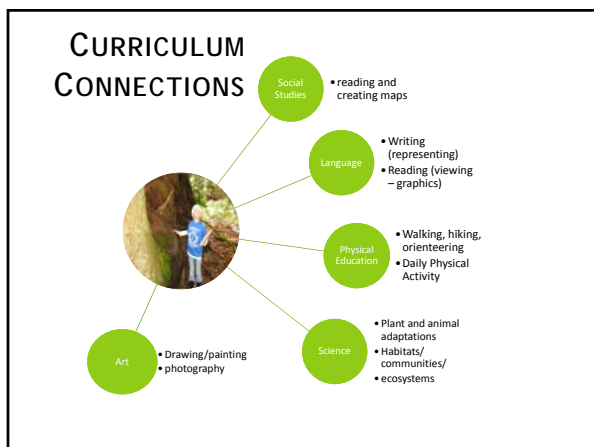
Source: Bragg, L. A. & Skinner, M. (2011). Geocaching: A mathematical treasure hunt. Middle and upper primary. Bayswater, Australia: Teachers First Choice.

## THROUGH GEOCACHING I LEARNT...

*Scale, bearings and cardinal points.*

*I never knew how to use it [a compass] properly but now I know how to use it and all of the different directions.*

*I didn't know co-ordinates that well, so I am pretty good at it now.*



## HUNGARIAN CHILDREN GEOCACHING

13 year old children geocaching in Budapest, Hungary.

## HAPPY TREASURE HUNTING

**WEBSITE**

[www.geocaching.com](http://www.geocaching.com)

**Email**

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