

Google Geographic Products





Victoria

British Columbia

Mostly Cloudy · 12°C
12:22 PM



Directions



Save



Nearby

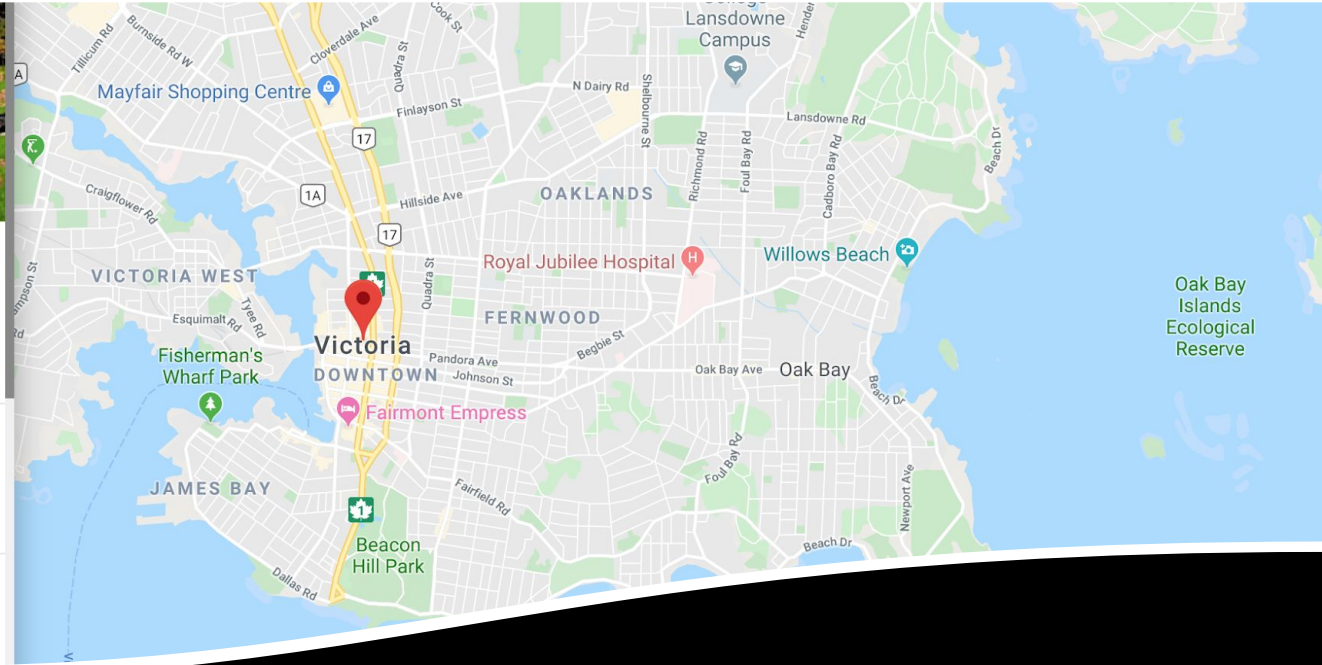


Send to your
phone



Share

Photos

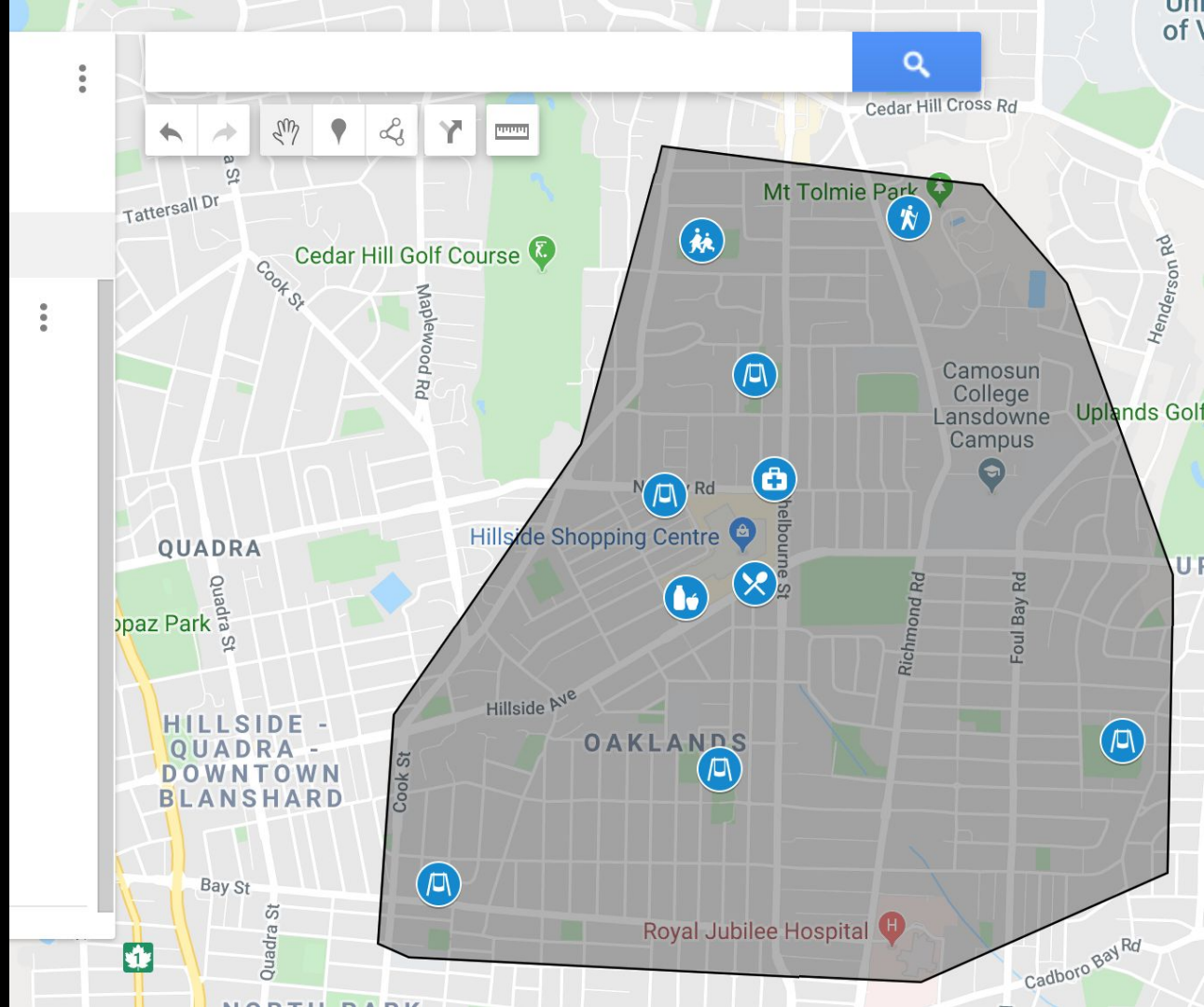


Google Maps

Find location information
Plan routes and get directions
See photos and reviews
Traffic reports
Drop a pin

My Maps

- Points, lines, shapes
- Attach media
- Calculate routes, perimeters, areas
- LAYERS!
- Share the map to collaborate
- Colour icons by value
- Change the base map



Lesson/Project Ideas

Points of interest map

Student commentary

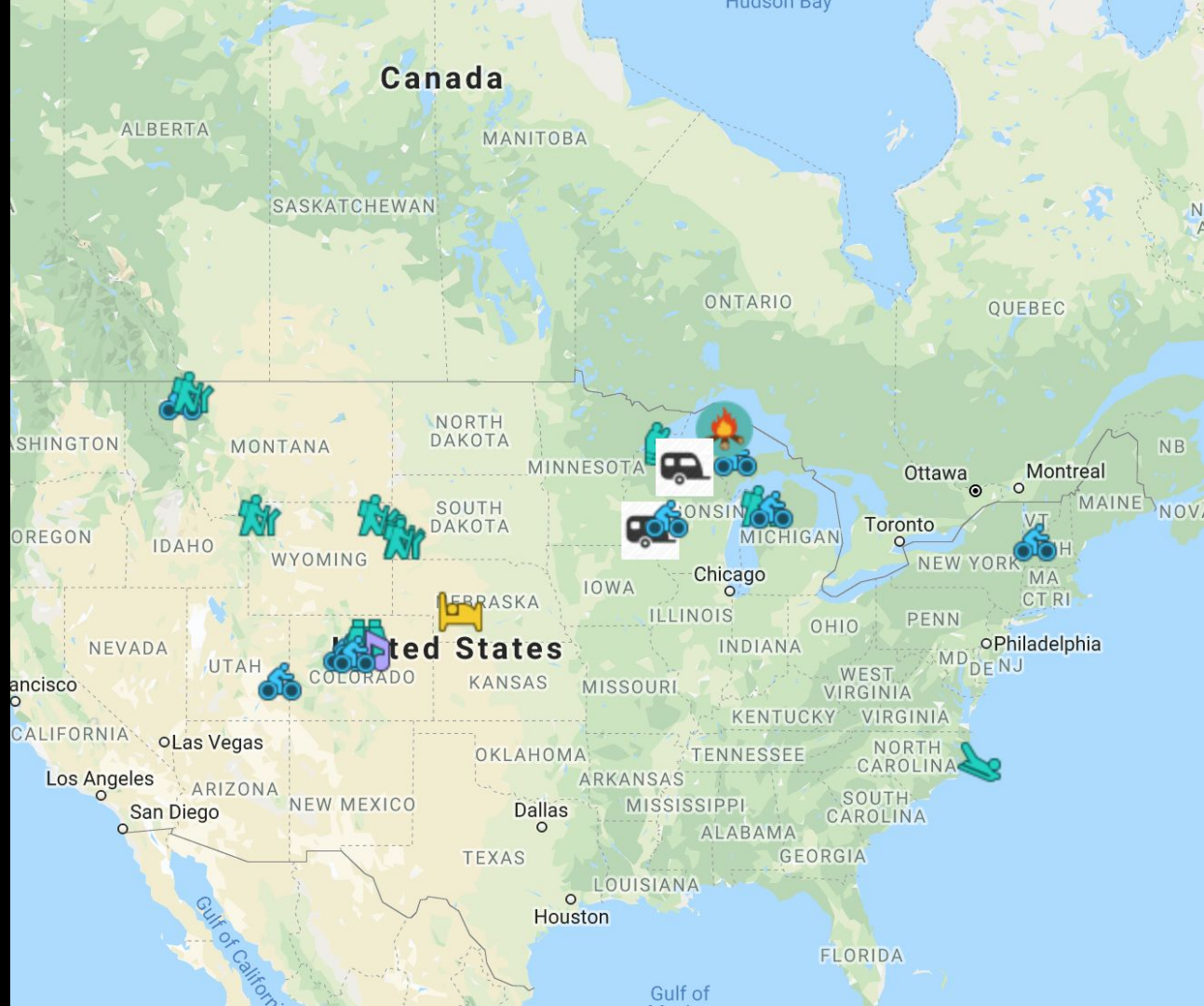
Family heritage map

Map languages

Class info

Fictional settings

Trip planning - real or
imaginary



Google Street View

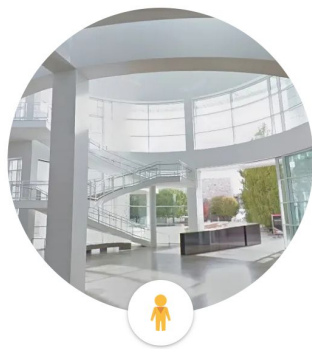
Not just streets

Cultural, political, physical geography

[Google cultural Institute](#)

Museums, natural wonders, architecture,

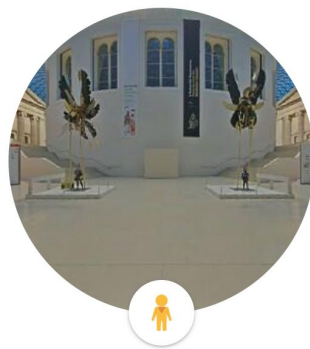
Art, curricular content, historical documents, deep dives



EXPLORE

The J. Getty Museum

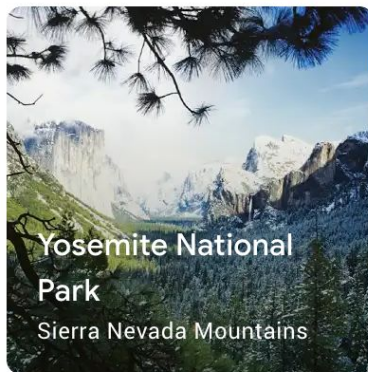
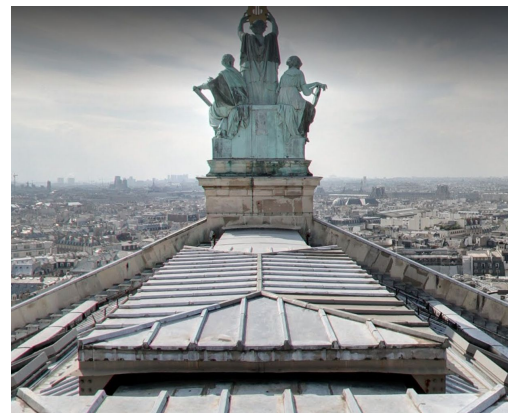
Los Angeles



EXPLORE

The British Museum

London

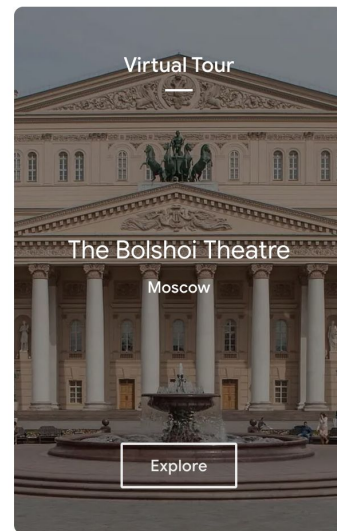


Yosemite National
Park

Sierra Nevada Mountains



Scott's Hut and the
Explorers' Heritage...



Virtual Tour

The Bolshoi Theatre

Moscow

Explore

Google Earth vs. Google Maps

What's the difference?

Google Maps is for routing and getting to places (utility over experience)

- Small hint of satellite imagery
- Contains navigation, lightweight mapping power, and points of interest
- The point: find places to go and get there (by car, bike, bus, or foot)
- Drawback: Doesn't really give you a *feel* of where you're going (there is street view, but zooming out only gives you 2D, low-res satellite imagery)

Google Earth is for exploring (experience over utility)

- Complete 3D satellite data
- Small subset of information on places, without any point-to-point navigation
- The point: visit places in high res 3D, really get to look around and see what things are like
- Drawback: lacks the rich data experience offered by Maps

Cool Things To Do on Google Earth (and beyond)

- Find Your House (and get up close with Street View)
- Flight Simulator
- View the Past
- View Layers
- "I'm Feeling Lucky"
- Google Moon, Mars, and Sky
- Voyager



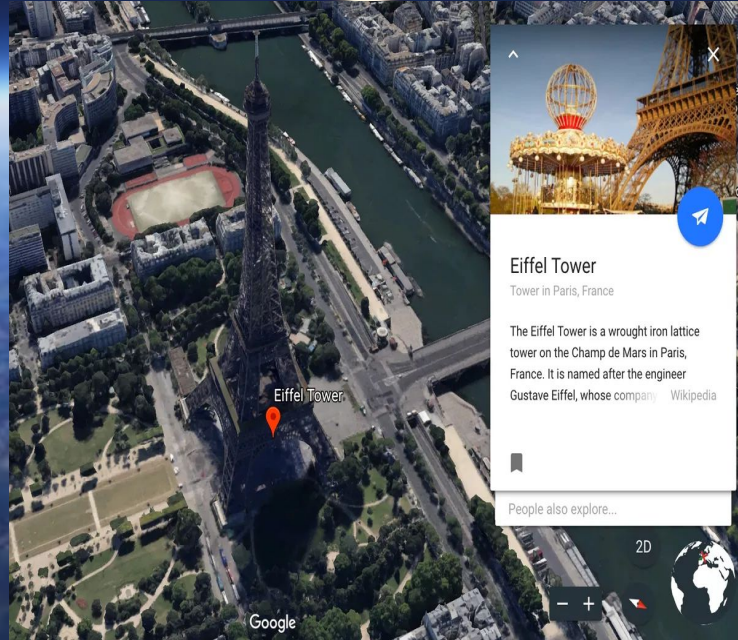
Lesson/Project Ideas

- 20 Questions
- Engage in real-world math activities/experiences
- Explore different environments
- Create Your Own KML Tour
- Scavenger Hunt



Google Earth Scavenger Hunt

Latitude and Longitude	What It Is	Where It Is
48.825183 2.198795	_____	_____
33.39845000 44.48416800	_____	_____
39 51 50.35 N, 116 22 21.78 E	_____	_____
50 53 41 N, 4 20 28 E	_____	_____
25 8 30.90 N, 55 11 4.76 E	_____	_____
45 24 28.71 N, 123 0 28.23 W	_____	_____
37 38 47.40 N, 115 45 1.27 W	_____	_____
22 18 14.15 N, 114 11 24.66 E	_____	_____
43 58 42.70 N, 15 23 0.14 E	_____	_____
12 22 13.32 N, 23 19 20.18 E	_____	_____



Name: _____

Google Earth Scavenger Hunt

Use Google Earth to find latitude and longitude of the following locations. Enter the location name into the "Fly to" bar of Google Earth, then record the latitude/longitude displayed in the Google Earth window for each site.

LOCATION	LATITUDE	LONGITUDE
Our Town		
The Eiffel Tower Paris, France		
The Golden Gate Bridge San Francisco, California		
The Statue of Liberty, New York, New York		

Find the equator. Name one country that the equator goes through:

Find the prime meridian. Name one country that the prime meridian goes through:

1

Using My Maps in the classroom: Grade 4 cross-curricular project

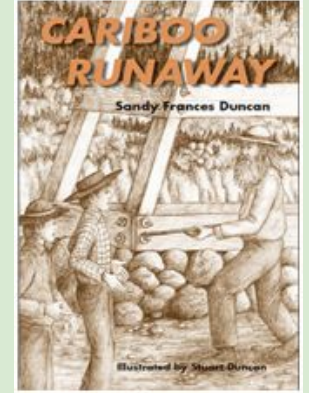
My Historical Road Trip

Grade 5 project travelling through B.C.
Criteria: Visit 3 gold rush sites
Visit 3 Indigenous sites
[more](#)
8 views

All changes saved in Drive

[Add layer](#) [Share](#) [Preview](#)

- Gold Rush sites
 - [Individual styles](#)
 - Barkerville
 - Boston Flats
 - Yale
 - 108 Mile Ranch
- Directions from Yale to Barkerville
 - [Bicycling](#)
 - A Yale
 - B 108 mile ranch
 - C Barkerville
 - [Add Destination](#)
- First Nations sites
 - [Individual styles](#)
 - Ksan Village
 - XA:YTEM Longhouse Interpr...
 - Tsilhqot'in
- Trail from Tsilhqot'in to Soda Cree...
 - [Walking](#)
 - A Tsilhqot'in
 - B Soda Creek, BC



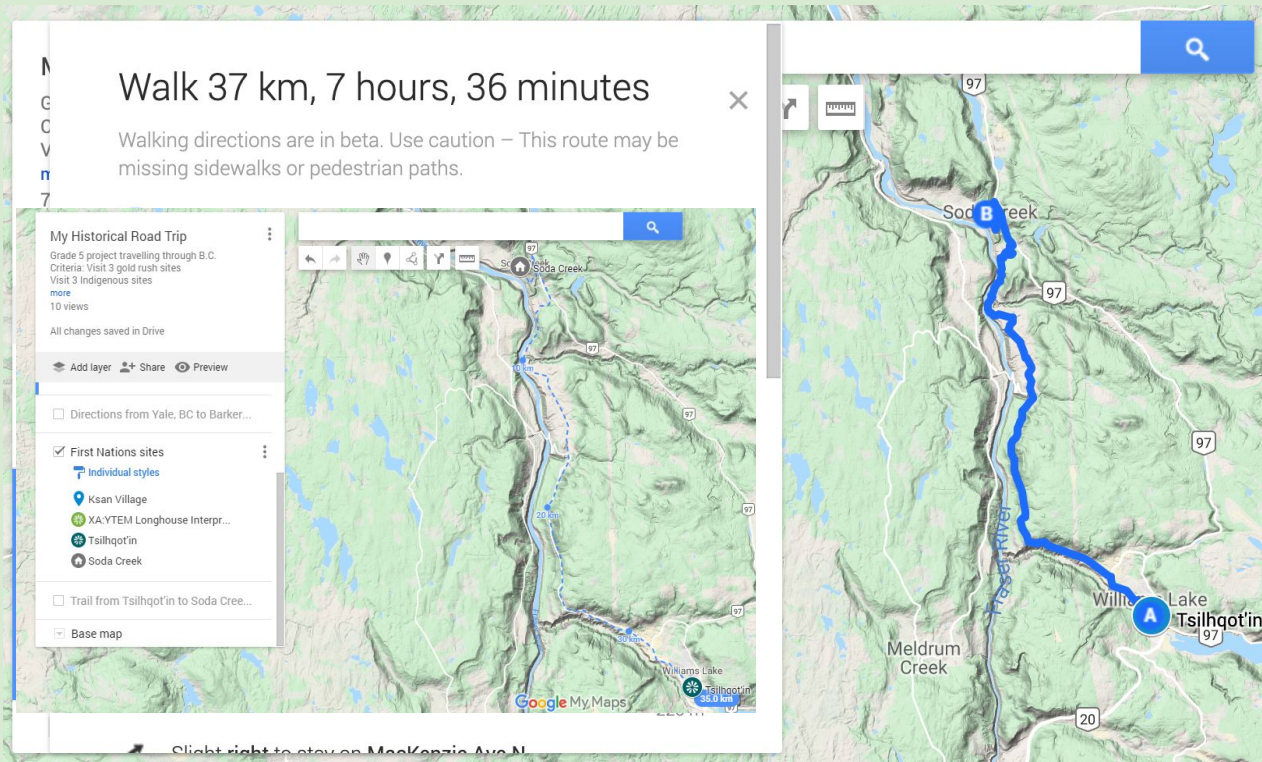
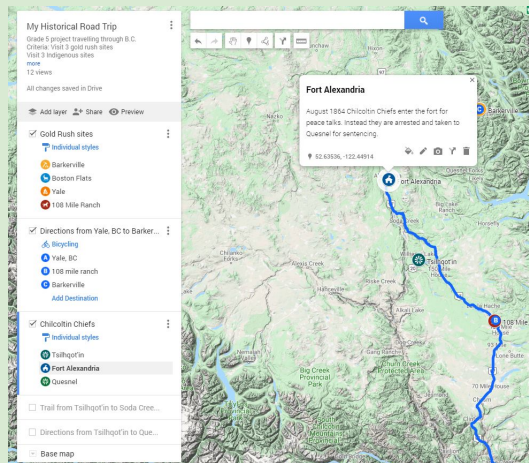
Combine
Technologies, Social
Studies, Mathematics,
Language and
Literacy, etc. in one
collaborative project!





Connect historical moments with current events

<http://www.shawnswanky.com/articles/canadas-war/why-did-british-columbia-martyr-the-chilcotin-chiefs-in-1864/>



My Historical Road Trip
 Grade 5 project travelling through B.C.
 Criteria: Visit 3 gold rush sites
 Visit 3 Indigenous sites
 more
 9 views

All changes saved in Drive

Add layer
 Share
 Preview

Gold Rush sites
 Individual styles

- Barkerville**
- Boston Flats
- Yale
- 108 Mile Ranch

Directions from Yale, BC to Barker...

First Nations sites
 Individual styles

- Ksan Village
- XA:YTEM Longhouse Interpr...
- Tsilhqot'in

Trail from Tsilhqot'in to Soda Cree...

Base map

Barkerville

1 of 1

Color

Popular Icons

Other icons

Link images, videos.
 Choose icons, colours, base map

My Historical Road Trip
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- Tsalhqot'in

Trail from Tsalhqot'in to Soda Cree...

Base map

Choose an icon

[Shapes](#)
[Sports and Recreation](#)
[Places](#)
[Transportation](#)
[Crisis](#)
[Weather](#)
[Animals](#)

Filter:

Places

[See older icons](#)

What Google Maps knows about you
(Scary or Awesome)?



You decide.

- We give up a lot of privacy when we engage in internet activity that benefits us
- Be informed!
 - Be aware of what is being shared to make an informed opinion
- Positives and negatives



Google can track you - IF you don't opt out

- Go into **google maps**
- On the left drop down menu choose “**Your Timeline**”
- Check out the ***detail of information*** that google is capturing and storing for you.
 - It shows your entire day laid out in google maps and also what TIME – what time you leave and arrive.
- It also stores the PHOTOS you took at those locations.

- This is the sort of data that google maps is storing.
- How to *not* be tracked by Google
 - On your phone: Go into your Settings, Location Services, then turn off location services. But now you won't have the same benefits of google maps.
 - This is the tradeoff – you have to give up some of your privacy for the benefit of convenience/entertainment/profit.
- Google earth ***doesn't*** keep the record of the places you visit.
- Google maps automatically tracks you.

In a classroom

- Speak about online presence, online responsibility.
 - How do you feel about sharing your personal information, preferences, and location online?
 - How do you feel about corporations selling your information to companies in order to sell you products? In exchange for convenience and information online?
- Speak about the increasing power Corporations have in:
 - Creation and erasure of national borders



Google maps is different in other countries

<https://www.youtube.com/watch?v=q9ZMub2UrKU>

0-1:08



Consider:

1. *Do you think using google maps in your lessons is a **meaningful and authentic** learning experience?*
2. *What part of google maps do you want to integrate in your lesson plans?*



