

Environment & Resource Management Geo-spatial Inquiry



Geographic Research Question

To what extent are the trees on our campus important to the wellbeing of its stakeholders?

Aim: As a class, the Grade 12 Environmental & Resource Management class will investigate the issue of Well-being in our neighbourhood, specifically focusing on the current *environmental health* as indicated by the quality and quantity of its tree population. To answer and assess the research question, an inventory¹ of the tree population will be carried out, recording the following:

- Tree attributes (characteristics):
 - Location - latitude and longitude
 - Species
 - Health - condition ([Link to indices of health](#))
 - Circumference
 - Height
 - Temperature at base
 - Temperature in proximity of tree outside of shadow
 - Photograph
- Value of trees within the community²:
 - Real – local;
 - stakeholder perceptions
 - Additional secondary research

¹ refer to map below for the study location

² stakeholders needs to be defined before you assess it

- Concerns and plausible improvements regarding the tree population

Using the Geographic Inquiry approach³, students will approach the issue and support their inquiry using GIS and drawing on a wide range of available sources of data. The investigation will be presented on a dedicated well-being web page. The web page will be hosted a [google site](#) using the school's Ste. Cecile domain

Available Resources - The following is available for each groups use:

- AGOL account + [Survey123](#)
- digital thermometer
- tablets

Data collection

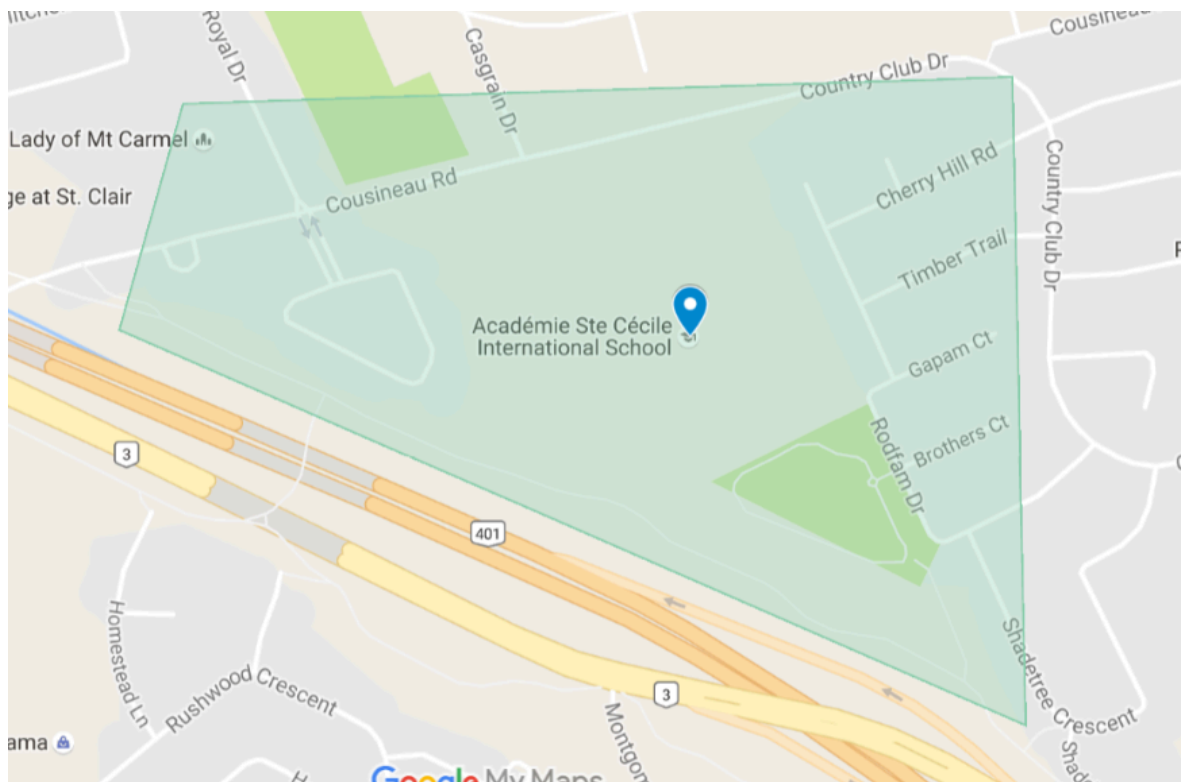
- geo-spatial data of trees - Map!
- Evidence of primary data **must** be in your presentation
- Link to field data collection sheet

Outcomes:

Working as a class team you will complete the following for assessment:

- Map the issue
- Present findings as a **dedicated web page** and **poster** utilizing custom prepared maps, photography, interview data and some [statistical analysis of primary data](#)
- Prepare a 5 minute presentation outlining your findings

Click Map



³ Refer to the Geographic Inquiry Model

[Investigation Steps - click here](#)

Assessment:

The following assessment rubric will be used for the group's work.

ASCIS Wellbeing Geographic Inquiry

To what extent are the trees on our campus important to the wellbeing of its stakeholders?

Here is an example of a study done in Hong Kong, in and around Chinese International School - [click here](#)

REPORT DUE: SEPTEMBER 18, 2017

ORAL PRESENTATION: WEDNESDAY SEPTEMBER

Assessment Rubric: [Click](#)

