Hello Everyone,

I hope you are all well and enjoying the school year. Just wanted to let you know that we will be running our 16th annual GIS Day at McMaster on Wednesday, December 9, 2015. We are offering four hands-on workshops and one demonstration workshop. The sessions will run concurrently at 10:00-11:00; 11:15-12:15 and 12:45-1:45. Please see brief descriptions of workshops and let me know if you would like to attend, which workshops, number of students and grade level.

Our free registration will be on a first come, first served basis. A number of schools have indicated that they would like to bring 4 classes; we may not be able to accommodate 4 classes from the same school due to space limitation and we would like to try to extend this opportunity to as many schools as possible. We'll try our best to accommodate.

A customized agenda will be sent to you once you have indicated the workshops you would like to attend.

**WORKSHOP A: INTRODUCTION TO ARCGIS ONLINE WITH HANDS-CREATING MAP FEATURES**  
One hour session

This workshop is for students who do not have GIS knowledge.

Following a short Introduction to ArcGIS Online, students will use the ArcGIS Online Map Viewer to create and symbolize point, line and polygon features for a map in an area of their choice. They will also learn how to add a title, description, image and a URL to a map.

After completing this workshop, students will be able to:

1. Create new map features in ArcGIS Online
2. Add data to map features in ArcGIS Online
3. Symbolize map features in ArcGIS Online

**WORKSHOP B: INTERMEDIATE TO ADVANCED ARCGIS ONLINE WITH HANDS-ON EXERCISES**  
One hour session

This workshop is for students who have intermediate to advanced GIS knowledge

Following a short demonstration on some of the analytical capabilities available in ArcGIS Online, students will work on an exercise using Canadian Climate, Major Canadian cities and Natural Events data.

After completing this workshop, students will be able to:

1. Search and add data
2. Filter and query tables
3. Create buffers

*Students who have taken Workshop A can also take Workshop B.*

**WORKSHOP C: IN THE FIELD WITH GIS: COLLECTOR FOR ARCGIS WORKSHOP**  
One hour session

This workshop is for **advanced** users of ArcGIS. ArcGIS for Collector will provide important spatial inquiry for your students and get them starting to think about data collection, data management and new technologies in a fun and interesting way! Bring your own iPhone or Android smartphone to this hands-on workshop and use the Collector App to create a collaborative map with other participants.
Prerequisites for this session are that you know how to create, save and share a Web Map in ArcGIS Online, and have used this technology before in your classroom. All teachers who wish to participate in this workshop must go to: www.esri.ca/agolaccess and fill out the form requesting access to our K-12 ArcGIS Online subscription prior to the session commencement.

WORKSHOP D: GPS FIELD WORKSHOP
One hour session
This workshop is geared towards the grade 11 curriculum in Geotechnologies with a focus on operating a GPS unit. A maximum of 30 students for each session is recommended.

There will be a short presentation on GPS and Remote Sensing, and then students will walk around McMaster University to various points. Each student using a GPS unit must leave a piece of identification which they will have returned to them once the GPS has been returned. Since this is an outdoor activity, students in this workshop are advised to dress weather appropriate.

WORKSHOP E: 3-D REMOTE SENSING LAB DEMONSTRATION
One hour session
A demonstration of the 3D visualization facility will include an introduction to 3D stereo imaging with Google Earth 3D, and then an integration of multiple satellite remote sensing, geophysical and geological data on Encom Profile Analyst, a more advanced package used for 3D geological modelling and visualization.