**ICS4U RST**

**STEP #1 - PROJECT PROPOSAL**

**DUE: JUNE 3, 2016**

* You must fill out the [attached form](https://docs.google.com/a/ocsb.ca/forms/d/1XfSzM8U_a7weTw3BKXJZ10q9SZe4iUyNyM9IIve112U/viewform), outlining your proposed program idea, how it will work, programming concepts you will include, and possible issues you may face.

**STEP #2 - CREATE THE PROGRAM**

* Once you have planned out your project, the next step is to start coding.
* Start with the basic program design, and add small features one at a time. Do not try to solve every problem at the same time!
* Don’t forget thorough comments. Even if your program is not working perfectly, if I can understand your methodology, you will earn significant marks.

**STEP #3 - DEBUGGING**

* This is a critical step! No program works flawlessly the first time.
* Test your program rigorously. *Try* to break it in any way that you can, in order to expose weaknesses, gaps, or inconsistencies.
* Similar to the coding step - test and solve one problem at a time. Do not try to take on too much at once.

**EVALUATION**

* Your program will be marked for:
  + Written proposal
  + User interface and intuitiveness
  + Use of animation and graphics
  + Error detection of inputted data
  + Proper use of variables, decision structures, loops, etc.
  + Programming code efficiency
  + Coding organization and naming conventions
  + Proper use of comments

**FINAL PROJECT DUE: MONDAY, JUNE 20 2016**