



## Section 1

Below are the *technical* skills and knowledge you should be able to demonstrate regardless of your course level. **Please check of the item you feel that you have learned:**

1. Understand what computer programming is
2. Familiar with the basic **Syntax** of one or more computer programming languages: **Python, C, C++, C#, HTML, JavaScript**
3. Understand what **variables** are, how to use them, and *list* the **different types of variables** used in popular computer programming languages
4. Understand the how an **"if"** statement works and a **while loop** works and how they are fundamentally different.
5. How to use a variable to keep track of events (**how to count things**)
6. Know how to use **For Loops**
7. How to use or create **timers** in computer programming.
8. How to do simple **algebraic functions** (calculate things)
9. I can create and use my **own function** in a programming language.
10. Understand what a **parameter** is
11. Know how to collect information from a user
12. Understand how to **display information** in a neat orderly way
13. How to **draw** or create images using a programming language
14. How to create an animation using a computer programming language.
15. Use **arrays** or **lists** in programming to organise, search, and recall large sets of data.
16. How to document your code with useful comments and a clear layout.
17. Can use programming to **solve complex problems** (like the ones on the University of Waterloo contests).

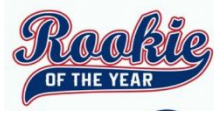
In the space below please list any additional concepts **you learned** that you would like me know about:

## Section 2

### Distance Learning Work Load Expectations:

Please indicate what Level you started the course at by circling the appropriate section.  
Comment on if you completed the expectations for this level

#### Grades 9/10's



**Rookies** (first time in the course)

- RobotC students should have completed Level 2 of Python and...
- Also complete at least 1 assignment from Level 2.5
- Didn't work lean RobotC? see next section.

**Veteran** (second time in the course **OR** grade 9/10 who started the semester in Python)

- Completed all of Level 2 and all of Level 2.5 of Python
- Completing a mini Python project of your choice can substitute for one Level 2.5 assignment.



#### Grades 11/12's



**Rookies** (first time in the course):

- Complete all of Level 2
- Selected workbook questions on Level 2 site (or mini project proposal).
- First 3 assignments of Level 2.5 (Assignment#4 should be done if you want to earn a 90+)

**Veterans** (Second time in computer programming) or hoping to legitimately hit all the learning outcomes of the Grade 12 curriculum

- Complete all assignments on Level 2.5 and Level 3



## Section 3

# How Am I Doing?

In addition to the technical **skills** and **knowledge** you learn in Computer Programming 9-12, you are also expected use your skill and knowledge in the ways explained outlined in the chart on the **next page**

Evaluate yourself based on the criteria given and **circle the columns that you believe you fall in.**



	<b>Needs improvement</b>	<b>Satisfactory</b>	<b>Great</b>
<b>Working with well with others?</b>	I am not open to working with others. I rarely share my work or ask other for help.	I work with others in class. I regularly share my work, ask for help, and help others.	I share my work. I help others and they help me. I am a positive influence when I work with another individual or group. I can think of instances where I have <b>worked together</b> with others solve a problem.
<b>Creating?</b>	I am learning stuff, but not usually creating anything new. I like to ask for and follow detailed instructions regularly.	I am definitely learning. I am sometimes able to put ideas together create something new or different.	I discover and create new things in my work regularly. My work usually <b>exceeds the expectations</b> of a given assignment or project.
<b>Displaying Work?</b>	People are too busy to see my work. There have been a few projects where people did not see my work	I show my work to my classmates and Mr. Walzl only when instructed to do so.	I'm proud of my work and display it in a way that people understand. I always make sure to <b>show my projects to classmates and Mr. Walzl</b> . I sometimes show my work to people outside of class
<b>Solving Problems</b>	When I get stuck. My progress slows down.	When I get stuck I actively look for new options and solutions. I make a plan to move forward	When I get stuck, I examine all options, make a plan and follow through until the problem is solved. I am able to work with others effectively and positively while solving problems
<b>Time and Effort</b>	I don't always spend time in class effectively. I am off task frequently and distract others	Time spent in class is <b>always</b> affective.	Time spent in class is <b>always</b> affective for myself and others. I spend time <b>outside class working on projects and problems</b> .
<b>Organization</b>	I usually know what needs to be done in class and I have a rough idea of how to do it.	I know exactly what needs to be done and I have a plan of how to do it.	I always have a direction and plan for my work. Dates and events have been recorded. Work is documented so progress and quality can be examined.
<b>Satisfaction</b>	I work in a way that isn't always rewarding.	I work in a way that allows me to enjoy my work in class	I make an effort to enjoy each class and make it valuable for myself and others.

## Section 4

Rate each statement below from 0 to 10. (Where 10 is “completely true” and 0 is “not true at all”)

1. I worked on my coding regularly. I spent the same amount/more time doing work in this course than I did/do in Math 9-12 this year.
  2. I did my own work. I collaborated with other students, shared my work and learned from others, but I did always made sure I authored my own code and fully understood each submitted exercise.
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Answer the following:

1. The most challenging concept/project/assignment I did this term was:
2. The thing I am most proud of this term is:

Based on assignment marks, and the information filled out in all 4 sections above, I would give myself the following grade for this term (out of 100):