### **Javascript: Programming Summary**

### **Duration: 0.5 Weeks**

### **Summary**

This lesson summarizes the AP Computer Science Principles programming concepts using the Javascript language. That is, now that the student is familiar with programming, they should be able to illustrate the programming concepts with examples of their new programming experience.

The assignment is a series of short-answer questions that address the learning objectives listed below. The student is to write answers, and where possible, illustrate the answer with Javascript code from their assignments, or new code they create.

### **Learning Objectives**

* Describe how you would develop a program for creative expression, to satisfy personal curiosity or to create new knowledge.
* Describe how you would develop a correct program to solve problems.
* Describe how you would collaborate to develop a program.
* Explain how programs implement algorithms.
* Describe how you would develop an abstraction when writing a program or creating other computational artifacts.
* Describe how you would use abstraction to manage complexity in programs.
* Describe how you would use multiple levels of abstraction to write programs.
* Describe how you would evaluate the correctness of a program.
* Describe how you would employ appropriate mathematical and logical concepts in programming.

### **Course Material**

* Read: [Computer Programming](http://computing-concepts.cs.uri.edu/index.php/Computer_Programming)

### **Assessments**

* Practical Assignment:
  + [Javascript Programming Summary](https://drive.google.com/open?id=1iHlCg4QhSNJnButdS882fr1qoNaxAPCVH1pPX4-vk3E) | [Grading Rubric](https://drive.google.com/open?id=13F6jsFclGuW9tvcBG-bzdMgtP_cjQ47KBFM6IpTGm-I) | [Answer Key](https://docs.google.com/document/d/1r4L96tOEOOq7h_3j5rPMkY30a0LKXp-ilG2_GNpyeXg/edit?usp=sharing)