**Activity**

Khan Academy: Computer Programming Tutorial

MODULE 13: Computer Languages, Applications, and Emerging Technologies

This **activity** was written for the Florida Public School System DIGITAL INFORMATION   
TECHNOLOGY (8207310) course. Funded by the Cyber/IT Pathways Program, Cyber   
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# Module 14: Computer Languages, Applications, and Emerging Technologies

## Activity: Khan Academy Computer Programming Tutorial

The student completes the Computer Programming Tutorial, Unit 1: Introduction to JS: Drawing & Animation to learn how to create code using JavaScript.

## Standards Assessed

* **12.03** Express an understanding of basic terminology used in programming (e.g., algorithm, binary, code, block-based, objects, functions)

## Teacher Notes

The teacher should review the website to become familiar with it. Students can sign up for this free activity to track their progress or use it without signing in.

Students will listen to videos and complete practice exercises.

The unit contains 18 lessons; however, the teacher should decide which lessons to assign to the students.

* Khan Academy: Computer Programming Tutorial (<https://www.khanacademy.org/computing/computer-programming>)

## Estimated Student Completion Time

* 45 minutes in-class activity for each lesson

## Activity Rubric

Consider evaluating the student’s work based on measures of quality. For example, with a maximum of 4 Points Possible, the following could be applied to the activity:

* **1 Point Earned** = ***Needs Improvement*** (the student work did not meet more than 50% of the requirements and did not follow instructions)
* **2 Points Earned** = ***Developing*** (the student met between 50% and 75% of the requirements and generally followed the instructions)
* **3 Points Earned** = ***Sufficient*** (the student met between 75% and 90% of the requirements and clearly followed instructions)
* **4 Points Earned** = ***Above Average*** (the student met > 90% of the requirements and followed all instructions)

# Activity: Khan Academy Computer Programming Tutorial

**Students Instructions**: Complete the Khan Academy Computer Programming Tutorial.

1. Go to Khan Academy: Computer Programming Tutorial (<https://www.khanacademy.org/computing/computer-programming>)
2. Follow the instructions provided by your teacher.