

Task 2a - Coding 101 Quiz

Due Date:

8TEA1, 8TEA2, 8TEA3 - 13/03/2020

7TEA4, 7TEA5, 7TEA6, 7TEA7 - 11/03/2020

Date Distributed: 26/02/2020

Task Weighting: 10%

Outcomes

- **TE4-4DP** - Designs algorithms for digital solutions and implements them in a general-purpose programming language
- **TE4-7DI** - Explains how data is represented in digital systems and transmitted in networks

ASSESSMENT OUTLINE

1. WHAT AREAS OF LEARNING DOES THIS ASSESSMENT ADDRESS?

Areas of Learning:

- Design algorithms for digital solutions using programming language
- Knowledge and understanding of:
 - how traditional, contemporary and advancing technologies are used when designing sustainable products and solutions
 - how data is used in the development and automation of digital solutions

2. WHY IS THE COMPLETION OF THIS ASSESSMENT IMPORTANT?

As a 21st century learner, it is essential for students to build this dynamic set of skills and knowledge, facilitated through their learning and understanding in the classroom.

This task is used to assess your understanding of coding concepts. It includes algorithm design using pseudocode and flowcharts and data manipulation and decision making techniques. Understanding how digital technologies are designed and developed to produce solutions will ensure success in further projects throughout the semester. The accompanying class activities enable independent, critical and creative thinking as well as encouraging effective collaboration.

3. WHAT STEPS DO I TAKE TO COMPLETE THIS TASK?

Task Outline

- You will complete a short, online Coding Concepts Quiz to assess your understanding and knowledge on the areas of learning listed above.
- The quiz will be completed through Moodle and is located in your S4 Technology A Moodle Course in the Assessment Tasks topic.
- The test will consist of a variety of questions including multiple choice, true/false and comprehension.
- It will need to be completed in the time limit associated with the test (this will be no longer than 20 minutes)

Details for Submission

In preparation for the in-class test, all class activities are to be completed on Moodle. Use the Completion Progress bar on the S4-TEA Moodle page to check for any outstanding work that needs submitting before proceeding to the Coding Concepts Quiz activity.

The Quiz must be completed in one sitting during class and submitted on the date outlined above.

4. HOW WILL MARKS BE AWARDED TO MEASURE MY LEARNING?

Marks will be indicated in the online test for each question and will be automatically graded upon submission of the quiz. Solutions and feedback will be provided to the class upon completion of the test.