

Module 1: Instructional Planning and Preparation

Teaching in the 21st Century

General Objective

In this module, you will design instructional activities that use digital technology to facilitate the development of students' critical thinking, creative, collaborative, and communication skills.

Specific Objectives:

At the end of this module, you should be able to:

1. Define the 4Cs.
2. Identify evidence of the 4Cs.
3. Modify given instructional activities to include opportunities for the development of the 4Cs.
4. Design instructional activities to include opportunities for the development of the 4Cs.
5. Use Google applications to facilitate students' development of the 4Cs.

Module Outline

Activity
Welcome video
Unit 1: Defining and Collecting Evidence of the 4Cs
Unit Overview
<p>1.1 Defining the 4Cs Watch the video and use the information there, as well as information from your own research to complete assignment 1.2.</p>
<p>1.2 Defining and Collecting Evidence of the 4Cs Using the video presented, along with your own research, provide a definition of each of the 4Cs, three (3) ways in which the development of each of these skills can be measured (i.e. behaviours that are evidence of the skill) and two (2) ways these skills help students achieve success at their academic and personal lives.</p>
<p>1.3 Definitions and Evidence of the 4Cs This resource contains definitions and possible pieces of evidence that can be used to measure each skill. The lists given are not exhaustive but serve as possible examples.</p>

Activity

Unit 2: Planning for 4C Development

Unit Overview

2.1 **Evaluating Instructional Resources**

In this activity, you will review a lesson plan which outlines an instructional activity developed to give students an opportunity to develop the 4Cs.

You will be required to review the instructional unit as given in the curriculum then annotate the plan, highlighting the ways in which each of the 4Cs is evident in the lesson. You will also comment on the effectiveness of the activity in helping students develop the identified skill. A sample comment is given in the document.

2.2 **[Three Simple Steps to the 4Cs](#)**

This blog post provides a 3 step process to integrating opportunities for 4C development in any lesson. Feel free to use this guide to integrate the 4Cs in your lessons.

2.3 **Selecting Your Instructional Unit**

Select an instructional unit that you plan to teach this term. This unit can come from any curriculum and from any grade level. This unit will be used to guide the development of your instructional activities.

2.4 **Planning for the 4Cs**

Select **one of the 4Cs** and brainstorm ways in which this skill can be developed in the context of the unit you selected in 2.3. You can use the list of evidence in the Unit 1 materials as a source of inspiration.

Create a concept map to capture your thoughts. You can submit a Jamboard or use Google Drawings or a pdf of a Word document.

NB. Challenge yourself to use an electronic means if you are uncomfortable using it. If you need assistance to do this, YouTube has many tutorials.

2.5 **Developing the 4Cs**

Create a lesson plan/instructional activity in **Google Docs** that can be used to develop the 4Cs. The lesson plan/activity should be aligned to the unit uploaded in 2.3.

Share the link to the document for peer review. Ensure that the document is shareable and others are allowed to comment, NOT edit.

2.6 **Peer Review**

Review two (2) lesson plans/instructional activities shared by your classmates.

Similar to the review done in 2.1, identify instances where at least 2 of the 4Cs can be developed and comment on the potential effectiveness of the activity described. Suggest 1 modification that you would make to further develop students' development of one of the skills identified.

*NB. Use the **comments** feature to provide your feedback.*

Activity

Unit 3: Using Technology in the Classroom

Unit Overview

3.1 Use of Digital Technology Audit

Think about how you have used digital technology within your classroom over your last week of teaching. Identify the specific technology used, how you used it and describe how it helped to facilitate student thinking. Use journal to record your response.

3.2 The Nature of Technology Use in the Classroom

There are many digital technology tools available for use in the classroom but are these tools really helping students develop the 21st-century skills that we want them to? How can we ensure that the ways that we are using technology facilitate students' development of the 4Cs?

3.2 Evaluating the Use of Technology in the Classroom

Watch the two YouTube videos below. In each video, identify one way in which technology is being used as a conveyor, an amplifier and a reorganizer. Record your answers in the Google Doc.

- [Using Technology in the Classroom](#)
- [Future Classroom and Student Life](#)

3.4 Improving the Use of Technology in the Classroom

Revisit your Use of Digital Technology Audit. Use the comment tool to label each type of use you have identified in the document. Be sure to elaborate on how you could improve the use of technology in the lesson to increase student engagement and development of the 4Cs.

ANCHORING PROJECT

Review the instructional unit you uploaded in 2.3. Using the template provided to record your response.

- Select a sample of 4-5 objectives in the unit and organize them in the order in which you would teach the unit.
- Identify at least 1 way in which each of the 4Cs can be developed throughout the unit. Describe briefly how the activity will help to develop the skill identified.
- Identify at least 4 ways in which technology can be used to enhance the delivery of the unit (*See Unit 3*). Name the application/software to be used and justify its selection. Be sure to describe how the technology will be used and the nature of its use (conveyor, amplifier, or reorganizer).

See the rubric for additional details.