Lesson Plan

Description

Students will work through an introduction to web development using HTML and CSS to create a website on climate change.

Learning Outcomes

- Understand basic structures of a website and how to divide and organize using HTML
- Cultivate creativity through the use of advanced styling techniques
- Recognize the consequences of climate change and the natural and human made forces driving the changes

Specific Expectations

A1.7 select, organize, and record relevant information on research topics from various sources, including electronic, print, and/or human sources using recommended formats and an accepted form of academic documentation

A1.11 communicate ideas, plans, procedures, results, and conclusions orally, in writing, and/or in electronic presentations, using appropriate language and a variety of formats

D1.1 analyse current and/or potential effects, both positive and negative, of climate change on human activity and natural systems

D3.4 identify natural phenomena (e.g., plate tectonics, uplift and weathering, solar radiance, cosmic ray cycles) and human activities (e.g., forest fires, deforestation, the burning of fossil fuels, industrial emissions) known to affect climate, and describe the role of both in Canada's contribution to climate change

Introduction

Before beginning this series of lessons and exercises students must first log on to and create an account on replit.com. Once they have successfully created an account and have logged in they will choose the create button on the left hand side of their page as shown in the photo here to the right.

Further instructions for beginning a new project are included in the Intro to Web development document.

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Action

Students will be led through the "Intro to Web Development" document

After completing the walk-through students will be asked to create a new page for their website on their own addressing natural and human made contributors to climate change and the roles Canada plays for both

Consolidation/Extension

- Students can create two more pages to fill out the 4 links they created on the homepage
- Students reaching ahead should be challenged to look for advanced and unique styling options for their pages

Accommodations/Modifications

- Students can copy all of the styling and formatting options from this tutorial and simply change the text without needing to be any more advanced than that

Assessment

- Students could submit their final website products to be graded
- Empty links can be replaced with links to outer websites so as not to have any blank code if they'd like

Additional Resources

- Laptops or iPads or any other device with access to the internet. Phones are not ideal as they're so small. A device with a keyboard is preferred as there is a lot of typing involved. Chromebooks do work as well as there are no applications needed to be downloaded.

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