

ICS 499 Assignment 01 – Initial Topic Research

Due Date: Friday January 27, 2017 at 23:59 (11:59 PM) on Lulima

Overview

Create a word document that explains each topic and subtopic, ideas for exercises and labs, and sources for all resources and topics found

Topic Explanations

Given your topic framework, research each topic and subtopic and write a paragraph for each.

What to include in your paragraph:

1. Definitions
2. Importance/ How it relates
3. Basic Explanation of the concept/topic/idea

Exercise and Lab Ideas

Think up 1 lab and 1 exercise that you could do to showcase your topic.

An **Exercise** is a non-computer way of explaining an idea. A **lab** is the computer or technical/digital way to showcase a topic or subtopic. Labs don't need to be created by you. For example, to teach programming you could suggest using Code Academy, but you'd need to be sure to include discussion points or milestones throughout the lab.

Example Exercise:

Files vs Folders and Storage

Students get a piece of paper and write on it. When they're ready to "save" it, they call it something and place it into a manila folder. They name the folder and place it into a box which represents the hard drive. Instructor will also place a paper in it to represent a file. This is to showcase that a Hard drive holds folders and files, folders can hold files, but files can't hold folders. Can also showcase moving files by taking a students paper out of one folder and moving it to another. This shows that although the folder is empty, it still exists.

Example Lab:

Students will create a folder on their computer, create a file, move it around and delete it.

Cite Sources

Submit with this assignment a list of resources you used. Point out where you used it. Citing could be as simple as including a link and a description. Sources include infographics and videos that you've watched to come up with an idea.