1.2: Program Function & Purpose

Video 1

* Learning how to describe the purpose of a computing innovation
* All computing innovations are developed for a purpose, and this purpose guides the creation of the innovation
* The purpose of computing innovations is to solve problems or to pursue interests through creative expression
* Understanding the purpose of a computing innovation helps developers improve their ability to develop that innovation
* Categories of Computing innovations
  + Applications
    - Games
    - Social media
    - Business productivity
  + Physical devices
    - Computers
    - Smart phones/tablets
    - Wearables
      * Smart watch
    - Smart “things”
      * Smart doorbells, smart thermostats, smart refrigerators, etc
    - Helps you do things you couldn’t do before
  + Systems
    - E-commerce
    - Cloud services
    - E-mail
* Guiding questions:
  + Why does the computing innovation exist?
  + What problems does the computing innovation solve?
  + What does the computing innovation allow us to do that we couldn’t do before?
* Investigate Examples of Computing Innovations & Describe the purpose of the following computing innovations
  + Social Media Applications
    - To enable faster communication between people across the world
    - To solve the problem of a lack of communication
    - Allows us to have instant outreach and communicate with others instantly
    - Allows users to connect from a distance & archive/document their activities
  + E-commerce
    - To connect shoppers with goods and services from their comfort of their homes
    - Allow for better communication between producers & consumers
    - Allow for less warehouse space needs
    - Allows for better customer service & feedback to producers
    - Allows users to save time & money by being able to shop from home
  + Digital Assistant Device
    - Allows users to control their devices hands-free, making them safer to use while driving or more convenient when trying to multitask