



## Curriculum Development Team Training

### Instructional Scenario

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**Title Ideas:** Teaching the Next Generation

**Duty/Concept Area(s):** 6670 47-56/Investigating Computer Fundamentals

**Scenario:**

Your high school requires all students to complete 10 community service projects prior to graduation. While brainstorming ideas, you realize your love of anything electronic could come in handy. As a kid, you loved to take things apart and see how they worked. The local YMCA is always looking for people to help younger students, so you decide to approach them about teaching the basics of computers.

You need to prepare presentation to show the administration what you want to teach the students and to let them know you are serious about providing instruction.

**Big Question:**

- What would be the best way to demonstrate what is inside a computing device?

**Focused Questions:**

- What resources are needed to create the presentation?
- What is the best software to use to create your presentation?
- What type of devices should you demonstrate?

**SOL Correlation:**

English 9.5, 10.5

Computer Technology 9-12.15 A

**Project-Based Assessment:**

Create a presentation that demonstrates the following:

- Diagram of the inside of a computing device which should include, but not be limited to, CPU, memory, expansion connections, hard drives, motherboards, soundboards, video boards, etc.
- Explain the importance of each part of the diagram and how the parts work together.
- List the types of peripheral equipment that might be used and where they would connect to the computing device.

**Resources:**

- Students will need access to the internet to conduct research.
- Optional:
  - Access to computers they can take apart
  - Access to a camera (cell phone) to take pictures of parts of computers