



**Directions:** Complete the assignment below using the Intel [Journey Inside website](http://educate.intel.com/en/TheJourneyInside/ExploreTheCurriculum/EC_IntroductionToComputers/). Visit each of the lessons on the left side of the screen in order to help you complete the assignment. Be sure to click on the terms highlighted in **blue** for additional information.

1. Click on **Lesson 1: History of Computers**. Who designed the ancestor of the modern computer? Who is considered the mother of computer programming?
2. Click on **Lesson 2: Four Components of a Computer**. Read the information in the lesson and watch the video. After watching the video, type a definition for the following terms:
   1. Input:
   2. Processor:
   3. Output:
   4. Storage:
   5. Hardware:
   6. Software:
3. Click on **Activity 1: Which Does What?** on the left-hand side of the screen. Click on each computer part in the picture to fill in the chart below. Type whether each part is an input, processing, output, or storage device.

|  |  |
| --- | --- |
| Computer Part | **Function** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

1. Click on **Return to Lesson 2** at the bottom left of the screen. Click on **Lesson 3: How Computers Get Input**. Read the paragraphs in the lesson. Watch the **Computer Input** video. Explain what makes a computer an information processing machine.
2. Click on **Lesson 4: How Computers Store Information**. Read the paragraphs in the lesson. Watch the **Memory and Storage** video. Define the following terms:

RAM:

ROM:

1. Click on **Activity 1: Computers Need to Remember Too**. Read the paragraphs in the activity. Work through the **“Drag and Drop”** activity on the right side of the screen. Describe what you discovered about memory using the drag and drop activity.
2. Click on Next in the bottom left corner of the screen to go to **Activity 2: Different Kinds of Storage Media**. Click on the four storage media options to see how much information each can hold. Fill in the bar chart below to rank the amount of memory each can hold, from least to most. Once you finish this activity, click on **Return to Lesson 4** on the bottom left side of the screen.

MOST

LEAST

1. Click on **Lesson 5: How Computers Process Information**. Read the paragraphs in the lesson and watch the video. Explain the role of a microprocessor in a computer. What does a processor need in order to work?
2. Click on **Lesson 6: How Computers Deliver Information**. Read the paragraphs in the lesson and watch the video. Identify the 3 most common types of output:
3. Click on **Lesson 7: Which is Smarter?** Read the paragraphs in the lesson and watch the video. What is your opinion… which is smarter, a human or a computer?