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| **Date Assigned: 9/2/16** | **Date Due: 9/7/16** |
| **Unit:** Basics | **Turn In List:** **1. Terms 2. Zoog.pde** |
| *“I will be able to identify and describe all major sub-systems in a computer.”* | |

**Computer Hardware: What makes a computer a computer…**

**Content Objectives:** Students will be able to identify the 5 required systems defining a modern computer system.

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| **Key Terms:** | |
| Computer | A machine that has a logic(processor), storage(RAM, Hard Drive), display(Monitor), IO(interaction), and a communication system. (network) |
| Output: Monitor, Printer | Things that show the input that you put in to the computer monitor |
| Logic: Processor/CPU | CPU central processing unit= the brain of your computer. Measured in Hz the high the better. |
| Storage: RAM, Hard Drive, SSD, CDROM, DVD | Volatile requires power to hold information.  Nonvolatile  CDROM read only not unloadable. DVD optical drives that store bytes.  RAM random access memory is the temporary storage of memory in your computer, volatile. Hard Drive has all of the memory stored on your computer. Nonvolatile. |
| Input: Keyboard, mouse | Causes you input or interact with your computer system with a gui interface or a command prompt interface. Sends information to the processor. |
| Motherboard | Where every gets connected. |
| Network Adapter | Ethernet, Wi-Fi, Bluetooth. Any thig with the network adapter has a MAC address. |

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| **Assignment:** |
| Basic:  We will closely examine the setup() and draw() functions.    We will draw a character on the screen with the following code.     1. Students will change the code so that the entire body moves with the mouse in proportion. 2. Students will color background and body parts to their own preference. 3. Students will add four elements either to the character or the background that are fitting for the scene. 4. Students will increase the dimensions of the canvas to a width height between 500-900 pixels. 5. What would your approach be for making more Zoogs? |

Notes (Points of interest, mistakes, lessons learned, web resources, and thoughts):

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