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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 | consists of five necessary components: logic system, storage system, display system, Input system and communication system |
| Output: Monitor, Printer | Devises information come out of the computer through |
| Logic: Processor/CPU | The internal component in our computer that analyzes all the inputs coming into the computer. (measured in hertz, goes up to 4ghz) |
| Storage: RAM, Hard Drive, SSD, CDROM, DVD | Volatile = RAM (requires power to store information) and Permanent = Hard Drive (stores info forever). Always measured in Bytes |
| Input: Keyboard, mouse | Devises used to send information into the computer |
| Motherboard | Where everything is connected. (inputs, outputs, storage, power) |
| Network Adapter | Ethernet cable, Wi-Fi adapter, Bluetooth, Fire wire, Thunderbolt. (has a MAC) |

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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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| Optical Drive: uses laser to read information (CD’s, DVD’s) |