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| **Date Assigned: 9/09/16** | **Date Due: 9/13/16** |
| **Unit:** Basics | **Turn In List:** **1. Terms and 2. Pde for Zoog, history of the computer** |
| *“I will be able describe the major events leading to the evolution of computer technology.”* | |

**Computer History: How it all began.**

**Content Objectives:** Students will be able to site the major events leading to modern technologies related information and information processing. We will also explore custom functions (methods) in Processing.

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| **Starter Activity** |
| Write a custom function (method) for a button with a rounded rectangle, shadow and text. Call it three times on a canvas with custom button text, position and size. |

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| **Key Terms:** | |
| Vacuum Tube | For the first computer systems, a massive deceive that required a lot of power and they did not have a long life. Allowed for temporary store one of 2 powers on or off , 1 or 0. |
| Transistor | Bell labs created the transistor identical to the vacuum tube but much small and doesn’t need as much power of the tube either. Changed technology for ever. In groupings it was more effective. |
| Integrated Circuit | Collection of transistors in one device. |
| Microprocessor | Is a large group of transistors all on a single chip. |
| Punch Card | First predetermined programing language that brought the first code. |
| Mainframe | A computer that takes up the entire room that runs to many different displays and inputs. |
| PC | Personal computer |

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| **Coding Terms:** | |
| function | Any named set of operations |
| parameter | Values that you input into the function |
| Function call | How you bring a function to the code. |

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| **History and Background:** |
| The |

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| **Assignment Tutorial (Setup and Class Demonstration):** |
| Students will create a visual timeline in a new 900 x 400 document spotlighting 8 key events in the history of computers using <http://en.wikipedia.org/wiki/History_of_the_computer> as a reference. Use a custom function for each event to place on the timeline. You will need to refer to the “text()” function and the “String()” class in Processing reference. Create 4 events above and 4 events below the timeline and include a title (see example below).  Macintosh HD:Users:kkapptie:Desktop:Screen Shot 2013-09-16 at 9.40.28 AM.png |

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

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