|  |  |
| --- | --- |
| **Date Assigned: 9/14/15** | **Date Due: 9/16/15** |
| **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.

|  |
| --- |
| **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.  //Siddhant Devaru  //Computer Programming 1  //Period 4B  void setup() {  size(400,400);  }  void draw() {  button("I am",200,200,100,40);  button("Hi",100,50,100,40);  button("Sidd",250,270, 100,100);  }  void button(String bText,int a, int b, int w, int h) {  noStroke();  rectMode(CENTER);  fill(145);  rect(a-5,b+5,w,h,25,25,25,25);  fill(255,0,0);  rect(a,b,w,h,25,25,25,25);  fill(0);  textSize(30);  text(bText, a-50,b+10);    } |

|  |  |
| --- | --- |
| **Key Terms:** | |
| Vacuum Tube |  |
| Transistor |  |
| Integrated Circuit |  |
| Microprocessor |  |
| Punch Card |  |
| Mainframe |  |
| PC |  |

|  |  |
| --- | --- |
| **Coding Terms:** | |
| function |  |
| parameter |  |
| Function call |  |

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

|  |
| --- |
| **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):

|  |
| --- |
|  |