www97.intel.com/discover/journeyinside/TJI_Intro/default.aspx

Name_____ Period_____

Track-Grade_____ Date_____

Introduction to Computers: Study Guide

Lesson 1: People and Machines. Write who these people and machines are.

- Charles Xavier Thomas de Colman:
- Charles Babbage:
- Ada Byron King:
- Abacus:
- Stonehenge:
- Arithometer:
- Analytical Engine:
- E.N.I.A.C.:

Lesson 2: Parts and Categories

- What are the four main categories of computer parts?

- Write down the Vocabulary from lesson 2 (underlined words in the lesson)
  - Input:
  - Storage:
  - Processing:
  - Output:
  - Hardware:
  - Software:
  - Microprocessor:
- **Memoriz**e the Parts of the Computer and the Category using **ACTIVITY 1.** (You don't have to write it down) (Memorize using the WEBSITE)

Lesson 3: Input

- Why do computers need input devices?

Lesson 4: Storage

- What is:
  - Temporary Storage:
  - Long-term Storage:
  - Ram:
  - Rom:
- **Memorize** and write down the different types of **storage media**?
- (ex. Floppy disks)
  - 1.44 MB =
  - 17 GB=
  - 640 MB=
  - 80 GB=
- Number the above media from smallest (1) to largest (4)
- How many Megabytes are in 1 Gigabyte? 1 GB = _____ MB

Lesson 5: Processing

- Make a Chart Comparing Microprocessors to Embedded Processors.
- List 5 electronic devices that would fit in each side of the chart.
- ex. DVD player, X-box, etc…)

Embedded Processors	Microprocessors

Lesson 6: Output

- Why do computers need output devices?

Lesson 7: People vs. Computers

- What is A.I.?
- Make a chart that compares human brains to computer microprocessors. List ways that each one is better than the other.

Human Brains	Computer Microprocessors