

# FRANKLIN-SIMPSON HIGH SCHOOL

**Course Name:** Intro to Computing

**Unit Name:** Unit 1 – The Amazing Computer

**Objectives:**

**Objective:** Identify the parts of a computer system.  
 Identify the two main categories of software.  
 Name three examples of software from each category. List five types of computers.

**Purpose of the Unit:**

Overview of the Computer System. The Parts of a Computer System. Inside the Machine

**Prerequisites:**

Basic Computing Skills

**Daily Lesson Guide**

Day	Lesson Content and Daily Focus Questions	Tasks/Procedures		Engagement	Assessment and/or Accommodations
		Knowledge or Comprehension Activities	Critical Thinking (High Yield / Literacy /LTF/etc.)		
1	What is a computer?	<a href="http://lims.uni-duisburg.de/Lehre/Material/EDV/PCChemie/Lektion01.PDF">http://lims.uni- duisburg.de/Lehre/Mate- rial/EDV/PCChemie/Lekt- ion01.PDF</a>	<b>Vocabulary –</b> Hardware, Software, Data, User	Student will create their online vocabulary flash cards <a href="http://flashcards.engrade.com/introcomputersvocab">http://flashcards.engrade.co m/introcomputersvocab</a>	List four parts of a computer system

				Have students write on a sheet of paper, the following 1. Three ways they have used a computer already that day. Randomly choose and ask for volunteers to share the answers. Explore how their lives be different without the computers they have used already	
2	What are the pieces of the hardware quick overview?	<a href="http://www.fshswildcats.com/webboard/mod/resource/view.php?id=264">http://www.fshswildcats.com/webboard/mod/resource/view.php?id=264</a>	<b>Vocabulary -</b> CPU, memory, storage devices, processor	<b>Hands on learning</b>  How much time did they save by using that type of computer? What is a computer?	<b>Identify four parts of computer hardware</b>
3	What are standard input/output devices, storage devices	<a href="http://www.fshswildcats.com/webboard/mod/resource/view.php?id=264">http://www.fshswildcats.com/webboard/mod/resource/view.php?id=264</a>	<b>Vocabulary –</b> Input/Output devices, computer storage <b>Video –</b> <a href="http://videos.howstuffworks.com/computer/ultimate-computer-hardware-videos-playlist.htm#video-23">http://videos.howstuffworks.com/computer/ultimate-computer-hardware-videos-playlist.htm#video-23</a>	<a href="http://flashcards.engrade.com/introcomputersvocab">http://flashcards.engrade.com/introcomputersvocab</a>	<b>Provide two examples of input and output devices.</b>  <b>Name and describe three types of storage devices.</b>
4	What is software? System software Application software		<b>Vocabulary –</b> System software, application software <b>Video -</b> <a href="http://videos.howstuffworks.com/howstuffworks/3-how-atms-work-video.htm">http://videos.howstuffworks.com/howstuffworks/3-how-atms-work-video.htm</a>	Select 5 words from Vocabulary Assign small cooperative groups to each set of words. • Ask each group to write a story using all five words appropriately. • Each group will illustrate their story and present it to the class.	<b>Differentiate the two main categories of computer software.</b>  <b>List four specific types of application software</b>
	Overview test				

5					
6				Session #1 Opening Activity. - electronic device -Data and Information -Information Processing Cycle Introduce the Components of a Computer - Hardware -Input Devices - Output Devices -System Unit - Storage devices - Communication Devices	
7					
8					
9					

<b>10</b>					
<b>11</b>					
<b>12</b>					
<b>13</b>					
<b>14</b>					

15					
----	--	--	--	--	--