

FRANKLIN-SIMPSON HIGH SCHOOL

Course Name: Computer Applications (A)

Unit Name: Computing Fundamentals Ch. 1 & 2

Ch. 1 – Computers & Computer Systems

Ch. 2 – Input, Output, & Processing

Objectives:

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| <ul style="list-style-type: none">• Describe different types of computer devices. |
| <ul style="list-style-type: none">• Describe the importance of the Central Processing Unit (CPU) including how the speed of a microprocessor is measured. |
| <ul style="list-style-type: none">• Explain the importance of RAM, ROM and how memory is measured. |
| <ul style="list-style-type: none">• Describe the features and benefits of different storage media. |
| <ul style="list-style-type: none">• Identify the types and purposes of input and output devices on desktop or laptop computers. |
| <ul style="list-style-type: none">• Identify the types and purposes of specialized input devices (e.g. cameras, scanners, game controllers, etc.) |
| <ul style="list-style-type: none">• Identify the types and purposes of specialized output (e.g. printers, projectors, etc.) |
| <ul style="list-style-type: none">• Identify how hardware devices are connected to an installed on a computer. |
| <ul style="list-style-type: none">• Identify factors that affect computer performance. |
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Purpose of the Unit:

To pass the Computing Fundamentals test for the IC3 (Internet and Computing Core) Certification

Prerequisites:

None

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 are the components of a computer system? What is the role of a central processing unit (CPU)?	Deep Processing Org. Vocabulary Handout w/ book definition & student definition		Bell Ringer Technology to define vocabulary words	Vocabulary Handout Deep Processing Organizer
2	What is computer memory and how is it measured? What are the types of storage devices used?	PowerPoint Presentation		Bell Ringer PowerPoint	Handouts over PowerPoint
3	Same as for Days 1 & 2	Study Guide over Chapter 1 (Practice Quiz) Internet Research Projects		Bell Ringer Partner Work Technology	Partner Study Guide (Quiz) Internet Research
4	What are the input devices used for computers? What are the output devices used for computers?	Brainstorming Activity over input/output devices Vocabulary Handout w/ book definition & student definition		Bell Ringer Brainstorming Act. Technology to define vocabulary words	Vocabulary Handout

5	How are input and output devices connected to the computer? What are computer performance factors?	PowerPoint Presentation		Bell Ringer PowerPoint	Handouts over PowerPoint
6	Same as for Days 1 & 2	Study Guide over Chapter 2 (Practice Quiz) Internet Research Projects		Bell Ringer Partner Work Technology	Partner Study Guide (Quiz) Internet Research
7	Unit Test	Unit Test		Unit Test	Unit Test