



WEEKLY HOME STUDY PACKAGE - WEEK 2 (12/07/21 – 16/07/21)

Subject	Computer	Year/Level	11
Strand	CE 1-Computers and Applications		
Sub-strand	CE 11.1.3 Green Computing		
Content Learning Outcome	Analyze the positive impacts of green computing		

LESSON NOTES:

THE GOALS OF GREEN COMPUTING:

- Reduce the use of hazardous materials, maximize energy efficiency during the product's lifetime, and promote the recyclability or biodegradability of defunct products and factory waste.

Four complementary paths to green computing:

1. Green Use

- Intelligent use of energy and information systems.
- Reducing the energy consumption of computers and other information systems as well as using them in an environmentally sound manner.

3. Green Design

- Efficient design of data centres and workstations.
- Designing energy – efficient and environmentally sound components, computers, servers, cooling equipment, and data centres.

2. Green Disposal

- Reduction of waste, reuse and refurbishment of hardware and recycling of out of use peripherals and other items.
- Refurbishing and reusing old computers and properly recycling unwanted computers and other electronic equipment.

4. Green Manufacturing

- Informed purchasing of components, peripherals and equipment manufactured with the environment in mind.
- Manufacturing electronic components, computers, and other associated subsystems with minimal impact on the environment.

ACTIVITY

1. What are the 3 goals of green computing.

 _____ (3 marks)

2. Describe the following paths to green computing:

- a. Green Use-

 _____ (2 marks)

- b. Green Disposal-

_____ (2 marks)

- c. Green Design-

 _____ (2 marks)

- d. Green Manufacturing-

 _____ (2 marks)

3. Define the term biodegradable.

 _____ (1 mark)