Fayol Inc. 0547824419

FIRST TERM WEEKLY LESSON NOTES – B9 WEEK I

			VVEEK I					
Week Ending: 06-10-2023		DAY:	DAY: Subject:		: Computing	Computing		
Duration: 60mins		I.	Strand: Ir		ntroduction To Computing			
Class: B9		Class Si			ind: Components Of Computers			
Content Standard: B9.1.1.1 Identify parts of a Computer and Technology Tools		nd	Indicator: B91.1.1.1. Discuss the trend of computers				Lesson:	
Performance Indicator: Learners can discuss the trends in the next generation of contents of the next generation of the next generation of contents of the next generation of contents of the next generation of the next generation of contents of the next generation of the			ation of comput	Core Competencies: CC8.2: CP6.1				
New words	Quantum Comput	ing, Super	computer, Prod	essing Pov	ver, Sycamore			
Reference: Comp	uting Curriculum P.g	. 40						
Activities For Learning & Assessment					Resources	Progression		
Ask learners to discupgrades. Share performance	age of older computed day computers. Cuss in pairs or small indicators and introduced in the contract of the c	groups th	e visible change		Pictures and videos	trenc next	ussing the Is in the generation mputers	
	about the potential	features ai	nd upgrades we	might see				
in the next generation Ask learners to bra	ion of computers. instorm and list dow	n these fe	atures.					
	predictions about fu ed augmented reality							
Discuss these as a c	class, comparing lear	ners' predi	ctions with exp	ert ones.				
from classical comp • Quantum special part	Computing is a su icles called "qubits" to the faster at solving	per-power to do many	red computer ty calculations at	hat uses once,				

• Classical Computing: This is the type of computing that uses "bits" that are either in an on (1) or off (0) state to process information.

Describe the Google quantum computer, specifically the "Sycamore" processor.

Compare its processing power with other supercomputers, highlighting the significant advancements.

Using infographics or videos can make this complex subject more accessible to grade 7 learners.

Assessment

- I. What is quantum computing, and how does it differ from classical computing?
- 2. Why is Google's "Sycamore" significant in the world of computers?
- 3. Name one feature you expect to see in the next generation of computers.
- 4. How might the increased processing power of quantum computers impact industries like medicine or transportation?

Reflection (10mins)

Summarize the key points of the lesson. Emphasize the rapid advancement of computer technology and the exciting possibilities that the future holds, as well as the challenges and considerations that come with such advancements.

Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.

Take feedback from learners and summarize the lesson.

Homework/Project Work/Community Engagement Suggestions

- What is quantum computing, and how does it differ from classical computing?
- Why is Google's "Sycamore" significant in the world of computers?
- Name one feature you expect to see in the next generation of computers.
- How might the increased processing power of quantum computers impact industries like medicine or transportation?

Cross-Curriculum Links/Cross-Cutting Issues

None

Potential Misconceptions/Student Learning Difficulties

None

Maria Fordinari 04 10 2022	DAY		California			
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	•	Strand: Introduction To Computing				
Class: B9 Content Standard:	Class S	ize: Sub Stra Indicator:		nd: Components Of Computers		
B9.1.1.1 Identify parts of a Computer ar Technology Tools	cept of Perceptual 2 of 2					
Performance Indicator: Learners can examine the concept of Pe	Core Competencies: CC8.2: CP6.1					
New words Perceptual Computin	•	Recognition, \	Voice Com	mand, Sensory Inp	out	
Reference: Computing Curriculum P.g	g. 40					
Activities For Learning & Assessm	ent			Resources	Progression	
Starter (5mins) Display a brief video clip or animation to Computing in action – for instance, a congestures or voice commands without the	Pictures and videos	Discussing the concept of Perceptual Computing				
Ask learners to discuss in pairs what the computer is understanding user input. Share performance indicators and intro-			y think the			
Main (35mins)						
Begin by explaining the overarching con emphasizing how computers or devices natural, human-like inputs.						
 Discuss the key features of Perceptual C Gesture recognition (computer movements) Voice command and recognition Facial recognition Multi-touch interactions, etc. 						
Highlight how these features differ from (keyboard, mouse).	traditiona	al computer int	teractions			
Break learners into small groups and ass Perceptual Computing.	sign each g	group a specific	feature of			
Ask them to discuss and brainstorm por scenarios where their assigned feature v						
 Assessment I. What is Perceptual Computing? 2. How does gesture recognition diffe methods? 3. Name one potential application for 		•	·			

4. Why might facial recognition be a significant feature in Perceptual			
Computing?			
Reflection (10mins)			
Summarize the main points of the lesson, emphasizing the evolution of			
human-computer interaction and the potential benefits and challenges of			
Perceptual Computing.			
Use peer discussion and effective questioning to find out from learners			
what they have learnt during the lesson.			
Take feedback from learners and summarize the lesson.			
Homework/Project Work/Community Engagement Suggestions			
What is Perceptual Computing?			
 How does gesture recognition differ from traditional computer input methods? 			
Name one potential application for voice command in everyday life.			
Why might facial recognition be a significant feature in Perceptual Computing?			
Cross-Curriculum Links/Cross-Cutting Issues			
None			
Potential Misconceptions/Student Learning Difficulties			
None			