TERM THREE WEEKLY LESSON NOTES – B7 WEEK 10

Week Ending: 18th NOV, 2022	DAY: Subject			t: Computing							
Duration: 60mins	•		Strand	: Computational Thinking							
Class: B7	Class Size: Sub St		rand: /	and: Artificial Intelligence							
Content Standard: B7.4.4.1. Discuss Artificial intelligence conceptsIndicator: B7.4.4.1.1 Discuss the areas of artificial intelligence					application of various						
Performance Indicator: Learners can discuss the application of v	e CC8.1: DL6.5										
Reference: Computing Curriculum P.g. 22											
Keywords: Artificial intelligence, machine learning, neural networks, virtual reality, augmented reality, gamification											
Activities For Learning & Assessment					Resources		Progression				
Starter (5 mins)				Computer/lapto		Learners will be					
Revise with learners to review their understanding in the previous lesson. Share performance indicators and introduce the lesson.					p, internet source		able to; Compare the key technologies such as machine learning, Artificial				
Main (35 mins)						Neural Netwo (ANN) reality,	rks , virtual				
Divide the emerging technologies under artificial intelligence and show a short video (1-5 mins) or documentary on the principles of operation to generate classroom interaction.						augmer reality, gamifica deep le	ation,				
Consider each emerging technology and discuss the history, principle of operation, real-world applications, advantages and disadvantages in society						data mi					
Where the technology is available, allow learners to use. For example, you can engage them to write a documentary or report on specific sites explored using the virtual reality.							and importance of Artificial Intelligence (AI) to society				
<u>Assessment</u> Leaners must investigate the things hum reasoning that computer/artificial intellig	•		erms of								
Reflection (10 mins) Use peer discussion and effective questi what they have learnt during the lesson.		nd out from lea	rners								
Take feedback from learners and summ											
Homework/Project Work/Commu	nity Enga	agement Sugg	gestions								

• Leaners must investigate the things human intelligence can do in terms of reasoning that computer/artificial intelligence cannot do.

Cross-Curriculum Links/Cross-Cutting Issues

None

Potential Misconceptions/Student Learning Difficulties

Learners may not easily understand the concepts and terminologies under programming

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			Strand	1: Computational Thinking				
Class: B7	Class Si	ze:	Sub Strand: Artificial Intel			elligence		
Content Standard: B7.4.4.1. Discuss Artificial intelligence conceptsIndicator: B7.4.4.1.1 Discuss the areas of artificial intelli					gence I of 2			
Performance Indicator:	e Core Competencies: CC8.1: DL6.5			ncies:				
Learners can discuss the application of v		as of artificial in	itelligenco	e	CC8.1: D	L6.5		
Reference: Computing Curriculum P.g. Keywords: Artificial intelligence, machine			intual real	ity outpo	ontod roality	, comifica	tion	
Keywords. Artificial Intelligence, machine	learning, ne	eural fielworks, v	in cuar rear	ity, augini	ented reality	, gammea		
Activities For Learning & Assessme	Resources		Progression					
Starter (5 mins)					Computer/lapto p, internet source		Learners will be able to; Compare the key technologies such as machine learning, Artificial Neural	
Revise with learners to review their understanding in the previous lesson. Share performance indicators and introduce the lesson.								
Main (35 mins) Divide the emerging technologies under artificial intelligence and show a short video (1-5 mins) or documentary on the principles of operation to generate classroom interaction.						Networks (ANN), virtual reality, augmented reality, gamification, deep learning, data mining. Discuss the uses		
Consider each emerging technology and discuss the history, principle of operation, real-world applications, advantages and disadvantages in society								
Where the technology is available, allow learners to use. For example, you can engage them to write a documentary or report on specific sites explored using the virtual reality.							and importance of Artificial Intelligence (AI) to society	
<u>Assessment</u> Leaners must investigate the things hum reasoning that computer/artificial intellig			erms of					
Reflection (10 mins) Use peer discussion and effective questi what they have learnt during the lesson.	-	nd out from lea	rners					
Take feedback from learners and summa	arize the le	esson.						
Homework/Project Work/Commu			gestions	1		1		
• Leaners must investigate the things intelligence cannot do.					oning that o	compute	r/artificial	
Cross-Curriculum Links/Cross-Cut	ting Issue	es						
None								
Potential Misconceptions/Student	Learning	Difficulties						