Fayol Inc. 0547824419

# TERM THREE WEEKLY LESSON NOTES – B7

Yeek Ending: 25th NOV, 2022 DAY: Subject		t: Computing						
Duration: 60mins Strand			: Computational Thinking					
Class: B7	Class Si	ize:	ze: Sub Strand: Artificial Intel			elligence		
Content Standard: B7.4.4.1. Discuss Artificial intelligence concepts  Indicator: B7.4.4.1.1 Discuss the areas of artificial intelligence concepts								
Performance Indicator: Learners can discuss the application of various areas of artificial intelligence					e Core Competencies: CC8.1: DL6.5			
Reference: Computing Curriculum P.g	g. 22				•			
Keywords: Artificial intelligence, machine	e learning, ne	eural networks, v	irtual reali	ity, augn	nented reality	, gamifica	ation	
Activities For Learning & Assessm	ent			Resources		Progression		
Starter (5 mins)					Computer/lapto p, internet		Learners will be able to;	
Revise with learners to review their understanding in the previous lesson.					source		Compare the key technologies such as machine	
Share performance indicators and introduce the lesson.					learning, Art Neural Networks		g, Artificial I	
Main (35 mins)							), virtual	
Divide the emerging technologies under artificial intelligence and show a short video (I-5 mins) or documentary on the principles of operation to generate classroom interaction.						augme reality, gamific	nted cation,	
Consider each emerging technology and discuss the history, principle of operation, real-world applications, advantages and disadvantages in society						data m	earning, iining. s the uses	
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 of Int		d importance Artificial celligence (AI) society	
Assessment Leaners must investigate the things hum reasoning that computer/artificial intellig	_		erms of					
<b>Reflection (10 mins)</b> Use peer discussion and effective quest what they have learnt during the lesson		nd out from lea	rners					
Take feedback from learners and summ Homework/Project Work/Commu			estions					

 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

Week Ending: 25th NOV, 2022	DAY:		Subject: Computing		
Duration: 60mins			Strand: Computational Thinking		
Class: B7	Class Size:		Sub Strand: Artificial Intelligence		
Content Standard:		Indicator:		Lesson:	
B7.4.4.1. Discuss Artificial intelligence concepts		B7.4.4.1.1 Discuss the application of various			
		areas of artificial intelligence		I of 2	

**Performance Indicator:** 

**Core Competencies:** 

Learners can discuss the application of various areas of artificial intelligence

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.	p, internet source	able to; Compare the key technologies such as machine
Share performance indicators and introduce the lesson.		learning, Artificial Neural Networks
Main (35 mins)		(ANN), virtual
Divide the emerging technologies under artificial intelligence and show a short video (I-5 mins) or documentary on the principles of operation to generate classroom interaction.		reality, augmented reality, gamification, deep learning,
Consider each emerging technology and discuss the history, principle of operation, real-world applications, advantages and disadvantages in		data mining.
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.		Discuss the uses and importance of Artificial Intelligence (AI) to society
Assessment Leaners must investigate the things human intelligence can do in terms of reasoning that computer/artificial intelligence cannot do.		
Reflection (10 mins)		
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

 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