TERM THREE
WEEKLY LESSON NOTES – B7
WEEK 10

Week Ending: 18th NOV, 2022	**DAY:**	**Subject:** Computing	
Duration: 60mins		**Strand:** Computational Thinking	
Class: B7	**Class Size:**	**Sub Strand:** Artificial Intelligence	
Content Standard: B7.4.4.1. Discuss Artificial intelligence concepts	**Indicator:** B7.4.4.1.1 Discuss the application of various areas of artificial intelligence		**Lesson:** 1 of 2
Performance Indicator: Learners can discuss the application of various areas of artificial intelligence		**Core Competencies:** 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) 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. 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. <u>Assessment</u> 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.	Computer/laptop, internet source	Learners will be able to; Compare the key technologies such as machine learning, Artificial Neural Networks (ANN), virtual reality, augmented reality, gamification, deep learning, data mining. Discuss the uses and importance of Artificial Intelligence (AI) to society
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
Learners may not easily understand the concepts and terminologies under programming

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