TERM THREE
WEEKLY LESSON NOTES – B7
WEEK 8

Week Ending: 4th NOV, 2022	DAY:		Subject: Computing	
Duration: 60mins			Strand: Communication Networks	
Class: B7	Class Size:		Sub Strand: Robotics	
Content Standard: B7.4.3.1 Discuss Robot Intelligence Concepts	Indicator: B7.4.3.1.1 Review the various applications of robotic machines in society.			Lesson: 1 of 2
Performance Indicator: Learners can review the various applications of robotic machines in society			Core Competencies: CC8.2: CP6.1	
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)_** Guide learners to understand what a robot is. Brainstorm learners to describe the work of robots. Learners relate to some robots they saw on TVs and social media. Have learners recall some of the causes of unemployment as the introduction of robots in the production of goods and services. Guide learners to state the applications and uses of robots in society (e.g. manufacturing, health, education, assembling and packing, transport, surgery, laboratory research, mass production of consumer and industrial goods, taking pictures, etc.) Brainstorm learners for the meaning of Robotics. Robotics involves the design, construction, operation, and use of robots. The goal of robotics is to design machines that can help and assist humans. In groups, ask learners to bring to class simple gadgets to create simple robots. Example: fan using motor, Lego cars, cardboard robot, cardboard train, torchlight, etc.	Computer/laptop, internet source	Learners will be able to; State the applications and uses of robots in society. 2. Relate the uses of robots to real-life situations. 3. Explore the prospects and problems of using robots in everyday activities..

Explore prospects and challenges of using robots in various operations		
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

- Task learners to explain in detail the importance of robots in relation to health delivery, manufacturing and transportation

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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