Fayol Inc. 0547824419

TERM THREE WEEKLY LESSON NOTES – B7

WEEK 5					
Week Ending: 14th OCT, 2022	ing: 14th OCT, 2022 DAY: Subject		Subject	t: Computing	
Duration: 50mins	Ouration: 50mins Strand		Strand:	: Communication Networks	
Class: B7	Cla	ıss Size:	Sub Str	and: Introduction	to Programming
Content Standard: B7.4.1.1.1 understanding of the concept programming	t of	Indicator: B7.4.1.1.3 Demonstra variables used in prog		of constants and	Lesson:
Performance Indicator: Learners can demonstrate the use of constants and variables used in programming			Core Competer CI 6.3: DL5.1:	encies:	
Reference: Computing Curriculum P.g	. 19				
Keywords: Algorithm, source code, comp	oiler, o	data type, variable, con	stant, cond	litional, array, loop, f	unction, class
Activities For Learning & Assessme	ent			Resources	Progression
Ask learners questions to review what to programming. What makes your computers are Do you know how your favorite. Share performance indicators and introduced indicators. Main (35 mins) This activity should be done groups. Write of paper. 1. What is computer programming?	nd ph e gam duce down	one work? ne was developed? the lesson. these questions each o	on a	Pictures and videos	Demonstrate the use of constants and variables used in programming
 State and explain any four terminologies used to describe programming concepts. Identify and explain the various data types. Give learners enough time to finish the task. Call group I to do a presentation to the whole class. Allow learners to ask questions for more clarification. 					
Revise with learners on the meaning of programming. Programming is the process of creating a set of instructions that tell a computer how to perform a task.			omputer		
Remind learners that programming is done using a variety of computer programming languages, such as JavaScript, Python and C++.					
Have learners mention some computer application softwares they know. Example: Microsoft Office, Mavis Beacon, FIFA, etc.			/ .		

Learners describe and demonstrate how these softwares work.

Guide learners to discuss the use of variables and constants as useful ingredients for defining values that are used within a function or program.

- Learners to understand that in programming, constants are used to store information that is never going to change.
- Learners to understand variables in programming as any characteristics, number, or quantity that can be measured or counted

E.g. age, sex, country of birth, class grades, eye color, etc.

Have learners use the internet to search for more practical example of variables and constants in programing.

Example:

During the running of a program, there will be times when the program needs to remember/ sort a value so it can be read and used later on.

Variable name	Value
Level	4
High score	1202
Surname	Smith

Constant Name	value
VAT	20
Days	365
Bonus	100

In groups, learners discuss the benefits of using variables instead of constants in a program.

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

• State three benefits of using variables and constants in a program.

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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B7.4.1.1.1 understanding of the concept of B7		B7.4.1.1.3 Demonstrate the use of constants and			
programming		variables used in programming		I of 2	
Performance Indicator: Core Competencies:				ncios	
Learners can demonstrate the use of constants and variables used			l in	CI 6.3: DL5.1:	iicies.
programming				CI 0.3. DL3.1.	

Reference: Computing Curriculum P.g. 19

Keywords: Algorithm, source code, compiler, data type, variable, constant, conditional, array, loop, function, class

Activities For Learning & Assessment	Resources	Progression
Starter (5 mins)	Pictures and	Demonstrate
• •	videos	the use of
Ask learners questions to review what they already know about		constants and
programming.		variables used in
What makes your computers and phone work?		programming
Do you know how your favorite game was developed?		
Do you know now your lavorice game was developed.		
Share performance indicators and introduce the lesson.		
Main (35 mins)		
This activity should be done groups. Write down these questions each on a		
paper.		
4. What is computer programming?		
State and explain any four terminologies used to describe		
programming concepts.		
6. Identify and explain the various data types.		
Give learners enough time to finish the task. Call group I to do a presentation		
to the whole class. Allow learners to ask questions for more clarification.		
Revise with learners on the meaning of programming.		
Programming is the process of creating a set of instructions that tell a computer how to perform a task.		
Remind learners that programming is done using a variety of computer programming languages, such as JavaScript, Python and C++.		
Have learners mention some computer application softwares they know. Example: Microsoft Office, Mavis Beacon, FIFA, etc.		
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