

# FIRST TERM

## WEEKLY LESSON NOTES

### WEEK 7

<b>Week Ending:</b> 24-02-2023	<b>Day:</b>	<b>Subject:</b> Career Technology	
<b>Duration:</b> 60MINS		<b>Strand:</b> Materials For Production	
<b>Class:</b> B8	<b>Class Size:</b>	<b>Sub Strand:</b> Smart And Modern Materials	
<b>Content Standard:</b> B8.2.3.1 Demonstrate understanding and the use of smart and modern materials		<b>Indicator:</b> B8.2.3.1.1: Discuss smart and modern materials	<b>Lesson:</b> 1 of 2
<b>Performance Indicator:</b> Learners can discuss smart and modern materials		<b>Core Competencies:</b> CP 6.5: CI 5.4: CI 5.2: CI 6.10:	
<b>Reference:</b> Career Technology Curriculum Pg. 49			
Phase/Duration	Learners Activities	Resources	
<b>PHASE 1: STARTER</b>	Recap with learners to find out what they already know about plastic, wood, metal, ceramics and glass.  Share the performance indicators and introduce the lesson.		
<b>PHASE 2: NEW LEARNING</b>	Guide learners to define the following keywords. Smart and modern materials: <i>They are materials that have been engineered to have improved properties and can be changed by exposure to stimuli, such as electric and magnetic fields, stress, etc.</i>  Brainstorm learners to explain Smart workshop and identify some features of it. <i>Smart and modern workshops are workshops that are stuffed with highly sophisticated tools and equipment.</i>  Identify areas where smart and modern materials are in use. E.g., building industry  Using pictures guide learners to identify some smart and modern materials.  Have learners search for products made from smart and modern materials using ICT tools and other sources. E.g. - Modified starches used in pizza toppings - Sanitized fabrics for sportswear and socks - Liquid Crystal Displays (LCDs)for organic light-emitting diodes - Photochromic pigments for lens in glass, windows		
<b>PHASE 3: REFLECTION</b>	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.		

	Ask learners how the lesson will benefit them in their daily lives.	
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<b>Content Standard:</b> B8.2.3.1 Demonstrate understanding and the use of smart and modern materials	<b>Indicator:</b> B8.2.3.1.1: Discuss smart and modern materials	<b>Lesson:</b> 2 of 2
<b>Performance Indicator:</b> Learners can discuss smart and modern materials		<b>Core Competencies:</b> CP 6.5: CI 5.4: CI 5.2: CI 6.10:
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