

FIRST TERM

WEEKLY LESSON NOTES

WEEK 7

Week Ending: 24-02-2023	Day:	Subject: Career Technology	
Duration: 60MINS		Strand: Materials For Production	
Class: B8	Class Size:	Sub Strand: Smart And Modern Materials	
Content Standard: B8.2.3.1 Demonstrate understanding and the use of smart and modern materials		Indicator: B8.2.3.1.1: Discuss smart and modern materials	Lesson: 1 of 2
Performance Indicator: Learners can discuss smart and modern materials		Core Competencies: CP 6.5: CI 5.4: CI 5.2: CI 6.10:	
Reference: Career Technology Curriculum Pg. 49			
Phase/Duration	Learners Activities	Resources	
PHASE 1: STARTER	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.		
PHASE 2: NEW LEARNING	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		
PHASE 3: REFLECTION	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.	
--	---	--

Week Ending: 24-02-2023	Day:	Subject: Career Technology
Duration: 60MINS		Strand: Materials For Production
Class: B8	Class Size:	Sub Strand: Smart And Modern Materials
Content Standard: B8.2.3.1 Demonstrate understanding and the use of smart and modern materials	Indicator: B8.2.3.1.1: Discuss smart and modern materials	Lesson: 2 of 2
Performance Indicator: Learners can discuss smart and modern materials		Core Competencies: CP 6.5: CI 5.4: CI 5.2: CI 6.10:
Reference: Career Technology Curriculum Pg. 49		

Phase/Duration	Learners Activities	Resources
PHASE 1: STARTER	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.	
PHASE 2: NEW LEARNING	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	
PHASE 3: REFLECTION	Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.	

	<p>Take feedback from learners and summarize the lesson.</p> <p>Ask learners how the lesson will benefit them in their daily lives.</p>	
--	---	--