

THIRD TERM

WEEKLY LESSON NOTES

WEEK 5

Week Ending: 28-07-2023	Day:	Subject: Career Technology	
Duration: 60MINS		Strand: Designing & Making Of Artefacts	
Class: B8	Class Size:	Sub Strand: Planning For Making Artefacts	
Content Standard: B8.5.3.1 Demonstrate understanding of planning for making artefacts/products and table setting		Indicator: B8.5.3.1.2: Plan and make building artefacts	Lesson: 1 of 2
Performance Indicator: Learners can plan and make building artefacts		Core Competencies: CP 6.5: CI 5.4: CI 5.2: CI 6.10:	
Reference: Career Technology Curriculum Pg. 66			
Phase/Duration	Learners Activities	Resources	
PHASE 1: STARTER	<p>Revise with learners to review their understanding in the previous lesson.</p> <p>Share performance indicators with learners.</p>		
PHASE 2: NEW LEARNING	<p>Ask the learners if they have ever thought about the different materials used in construction and why certain materials are chosen for specific projects.</p> <p>Show the samples of cement, sand, and stones to the learners.</p> <p>Discuss the properties of each material, such as:</p> <ul style="list-style-type: none"> • Cement: Binding properties, strength, durability when hardened • Sand: Grain size, cohesiveness, stability as a base material • Stones: Hardness, shape, weight-bearing capacity <p>Encourage learners to ask questions and provide examples of how these materials are used in construction.</p> <p>Divide the learners into small groups. Assign each group a specific building material (cement, sand, stones, etc.).</p> <p>Instruct the groups to create a chart or poster displaying the properties of their assigned material.</p> <p>Provide chart paper or large poster paper, markers, and other necessary materials.</p> <p>Allow time for the groups to research and gather information on their material's properties and create their charts.</p>	Pictures and charts of food	

	<p>Each group should present their chart to the class, highlighting the important properties of the material.</p> <p><u>Assessment</u></p> <ol style="list-style-type: none"> 1. What are the properties of cement, sand, and stones used in construction? 2. Name one property of cement that contributes to its strength and durability when hardened. 3. What are some factors to consider when choosing materials for a building project? 4. Give an example of an environmental impact that can be considered when selecting building materials. 5. Why is it important to understand the properties of building materials before starting a construction project? 	
<p>PHASE 3: REFLECTION</p>	<p>Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.</p> <p>Take feedback from learners and summarize the lesson.</p> <p>Ask learners how the lesson will benefit them in their daily lives.</p>	

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Class: B8	Class Size:	Sub Strand: Planning For Making Artefacts	
Content Standard: B8.5.3.1 Demonstrate understanding of planning for making artefacts/products and table setting		Indicator: B8.5.3.1.2: Plan and make building artefacts	Lesson: 2 of 2
Performance Indicator: Learners can plan and make building artefacts		Core Competencies: CP 6.5: CI 5.4: CI 5.2: CI 6.10:	
Reference: Career Technology Curriculum Pg. 66			
Phase/Duration	Learners Activities	Resources	
PHASE 1: STARTER	<p>Revise with learners to review their understanding in the previous lesson.</p> <p>Share performance indicators with learners.</p>		
PHASE 2: NEW LEARNING	<p>Discuss the factors to consider when choosing materials for a building project, such as:</p> <ul style="list-style-type: none"> • Strength and durability requirements • Cost-effectiveness • Availability of materials • Environmental impact • Aesthetic considerations <p>Engage the learners in a discussion on how these factors influence the choice of materials for different projects.</p> <p>Present a hypothetical building project and ask the learners to discuss and justify the materials they would choose for that project based on the given factors.</p> <p>Divide the learners into pairs or small groups. Assign each group a simple building project, such as a wall, or house.</p> <p>Instruct the groups to create a mock-up or model of their assigned project using construction paper, scissors, glue, rulers, and other materials.</p> <p>Encourage creativity and attention to detail in representing the chosen materials in their mock-ups.</p> <p>Allow time for the groups to complete their mock-ups. Provide an opportunity for each group to present their mock-up, explaining the materials they used and why they chose them.</p> <p><u>Assessment</u> I. What are some examples of simple building projects that can be made as mock-ups?</p>	Pictures and charts of food	

	<p>2. Explain the process of creating a chart on the properties of building materials.</p> <p>3. How can the choice of materials affect the cost-effectiveness of a building project?</p> <p>4. Discuss one reason why the weight-bearing capacity of stones is an important property in construction.</p> <p>5. What skills or knowledge can be gained by making mock-ups of building projects?</p>	
<p>PHASE 3: REFLECTION</p>	<p>Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.</p> <p>Take feedback from learners and summarize the lesson.</p> <p>Ask learners how the lesson will benefit them in their daily lives.</p>	