

# SECOND TERM

## WEEKLY LESSON NOTES

### WEEK 4

<b>Week Ending:</b> 28-04-2023	<b>Day:</b>	<b>Subject:</b> Career Technology	
<b>Duration:</b> 60MINS		<b>Strand:</b> Tools, Equipment & Processes	
<b>Class:</b> B8	<b>Class Size:</b>	<b>Sub Strand:</b> Finishes & Finishing	
<b>Content Standard:</b> B8.3.5.1 Demonstrate understanding of application of finishes		<b>Indicator:</b> B8.3.5.1.1: Demonstrate how to mix the various finishes	<b>Lesson:</b> 1 of 2
<b>Performance Indicator:</b> Learners can demonstrate how to mix the various finishes		<b>Core Competencies:</b> CP 6.5: CI 5.4: CI 5.2: CI 6.10:	
<b>Reference:</b> Career Technology Curriculum Pg. 60			
Phase/Duration	Learners Activities	Resources	
<b>PHASE 1: STARTER</b>	Revise with learners to review their understanding in the previous lesson.  Share performance indicators with learners.		
<b>PHASE 2: NEW LEARNING</b>	Brainstorm learners for the meaning of Finishes and finishing in wood and metal work. <i>Finishes and finishing in wood and metal work refer to the process of applying a protective or decorative coating to the surface of the material to enhance its appearance, durability, and resistance to wear and tear.</i>  Guide learners to discuss the reasons for Finishes and finishing in wood and metal work. <i>In woodwork, finishes can be applied to the surface of the wood to protect it from moisture, insects, and other environmental factors.</i> <i>In metalwork, finishes can be applied to the surface of the metal to enhance its appearance, prevent corrosion, and improve its resistance to wear and tear.</i>  Learners in their groups identify some common finishes in wood and metal work. <i>Common finishes include varnish, lacquer, shellac, and oil-based stains. Common finishes include plating, painting, and powder coating.</i>  Guide learners to identify tools used for mixing finishes. E.g., containers, stirring rod	Pictures and charts of food	
<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>Duration:</b> 60MINS		<b>Strand:</b> Tools, Equipment & Processes
<b>Class:</b> B8	<b>Class Size:</b>	<b>Sub Strand:</b> Finishes & Finishing
<b>Content Standard:</b> B8.3.5.1 Demonstrate understanding of application of finishes		<b>Indicator:</b> B8.3.5.1.2 Demonstrate skills of applying finishes in wood and metal work
		<b>Lesson:</b> 2 of 2
<b>Performance Indicator:</b> Learners can demonstrate skills of applying finishes in wood and metal work		<b>Core Competencies:</b> CP 6.5: CI 5.4: CI 5.2: CI 6.10:
<b>Reference:</b> Career Technology Curriculum Pg. 61		
<b>Phase/Duration</b>	<b>Learners Activities</b>	<b>Resources</b>
<b>PHASE 1: STARTER</b>	Revise with learners to review their understanding in the previous lesson.  Share performance indicators with learners.	
<b>PHASE 2: NEW LEARNING</b>	Demonstrate the procedure for mixing lacquer. E.g., lacquer is diluted with thinner about 10-15%  Demonstrate the procedure for mixing emulsion paint. E.g., add water bit by bit and stir with stirring rod  Demonstrate the procedure for mixing oil paint. E.g., dilute oil paint with turpentine between 10-30% and stir.  Demonstrate skills of applying finishes in wood and metal work.  <u>Applying finishes in woodwork:</u> <ul style="list-style-type: none"> <li>• Sand the wood surface to a smooth finish. Begin with a coarse grit sandpaper and gradually move to a finer grit for a smooth finish.</li> <li>• Choose the type of finish you want to apply. Common finishes include varnish, lacquer, shellac, and oil-based stains.</li> <li>• Apply the finish using a brush, spray, or rag. Apply the finish in thin, even coats, and allow it to dry completely between coats.</li> <li>• Sand the surface lightly between coats with a fine grit sandpaper.</li> <li>• Apply additional coats until you achieve the desired depth and sheen.</li> <li>• After the final coat has dried, polish or buff the surface to enhance the shine and smoothness.</li> </ul> <u>Applying finishes in metalwork:</u>	Pictures and charts of food

	<ul style="list-style-type: none"> <li>• Clean the metal surface thoroughly to remove any dirt, grease, or rust.</li> <li>• Choose the type of finish you want to apply. Common finishes include plating, painting, and powder coating.</li> <li>• Allow the finish to dry completely according to the manufacturer's instructions.</li> <li>• For plating, polishing and buffing can be used to enhance the shine and smoothness of the surface.</li> <li>• For painting and powder coating, polishing and buffing are not necessary.</li> </ul> <p>Display specimens/food products for appraisal.</p>	
<p><b>PHASE 3: REFLECTION</b></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>	