

EaD Comprehensive Lesson Plans

Strand:	Tools, equipment and processes	Sub-Strand:	Cutting/Shaping
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or



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<https://www.TeachersAvenue.net>

<https://TrendingGhana.net>

<https://www.mcgregorinriis.com>

BASIC 8

WEEKLY LESSON PLAN – WEEK 7


Content Standard:	B8.3.2.1 Demonstrate understanding of cutting and shaping tools and equipment for making artifacts /product				
Indicator (s)	B8.3.2.1.1: Identify cutting and shaping tools and equipment B8.3.2.1.2: Use appropriate techniques to design and shape artifacts/products		Performance Indicator: Learners can apply techniques in designing and shaping artifacts.		
Week Ending	23-02-2024				
Class	B.S.8	Class Size:		Duration:	
Subject	Career Technology				
Reference	Career Technology Curriculum, Teachers Resource Pack, Learners Resource Pack, Textbook.				
Teaching / Learning Resources	Sand, Stone, Cement, Pictures, Poster, Video.		Core Competencies:	<ul style="list-style-type: none">• Communication and Collaboration• Critical Thinking and Problem Solving.	
DAY/DATE	PHASE 1 : STARTER	PHASE 2: MAIN			PHASE 3: REFLECTION
MONDAY	Discuss the meaning of cutting and shaping with the learners.	<ul style="list-style-type: none">• Assist Learners to identify 10 examples of cutting and shaping tools.• Learners brainstorm to classify cutting and shaping tools into food laboratory tools, sewing workshop tools ,metal workshop tools, building site tools and wood workshop tools.• Using a PowerPoint Presentation, explain the uses of the various types of cutting and shaping tools.• Assist Learners to practice using cutting and shaping tools and equipment. Examples of cutting and shaping tools; Shaping Tools <ul style="list-style-type: none">• Soldering Iron. A handheld tool used to create strong electrical connections by melting soldering wire.• Orbital Sanders.• Belt Sander.• Planer.• Bench Grinder.• Angle Grinder.• Mini Lathe.• CNC Router.			Group Work; Learners in small groups to sketch and label cutting and shaping tools, and display them for appraisal.



Cutting Tools

- Shears.
- Scissors.
- Snips.
- Rotary Cutter & Cutting Mat.
- Seam Ripper.
- Fabric scissors
- kitchen shears
- spring loaded scissors
- pruning shears
- paper trimmer
- craft knives
- thread clipper
- rotary cutter



FRIDAY	Through questions and answers, review Learners knowledge on the previous lesson.	<ol style="list-style-type: none"> 1. Discuss with Learners on the techniques for shaping a design. 2. Assist Learners to apply appropriate techniques to shape designs in food laboratory or kitchen, sewing workshop, building site, wood and metal workshops. 3. Demonstrate how to cut-out a designs in food laboratory, sewing workshop, building site, wood and metal workshop. <p>Cutting-out in food laboratory or Kitchen;</p> <p>The basic cutting techniques</p>  <ul style="list-style-type: none"> • Mince. Mincing an ingredient means cutting it into very small, fine pieces, so it becomes almost a paste. • Chop. To chop means to cut something up into irregular sized pieces. • Dice. Unlike chopping, diced ingredients should be uniform in size. • Cube. • Julienne. <p>Cutting-out in wood workshop;</p> <p>The basic wood cutting techniques</p> <ul style="list-style-type: none"> • plain sawing • quarter sawing • rift sawing 	<p>Individual Learners practice cutting-out design in kitchen, sewing workshops , building sites, wood and metal workshops.</p> <p>Exercise;</p> <p>State cutting-out tools in each of the following;</p> <ol style="list-style-type: none"> i. Food laboratory or kitchen ii. Sewing workshop iii. Metal workshop iv. Wood Workshop v. Building site

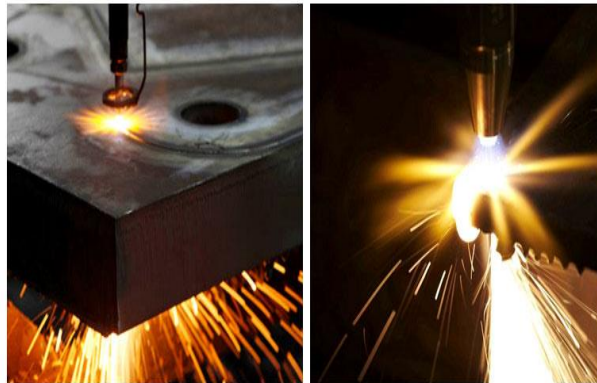


Cutting-out in metal workshop;

The basic cutting techniques



- Shearing
- Laser cutting
- Water jet cutting
- Plasma cutting
- Flame cutting



Name of Teacher:

School:

District: