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NAME OF TEACHER: ..... **WEEK ENDING...19-05-2023.....**

NUMBER ON ROLL: ..... **SUBJECT... PRE-TECHNICAL SKILLS**

DURATION: ..... **REFERENCE...SYLLABUS(CRDD,2007), PRE-TECH FOR JHS .....**

FORM.....BASIC 9..... **WEEK.....7.....**

DAY/DURATION	TOPIC/SUB-TOPIC/ASPECT	OBJECTIVES/R.P.K	TEACHER-LEARNER ACTIVITIES	T/L MATERIALS	CORE POINTS	EVALUATION AND REMARKS
TUESDAY **16-05-2023**	**Topic;** Fastenings **Sub-Topic;** Identifying Fastenings tools, devices and materials.	By the end of the lesson the Pupil will be able to; i. Explain the meaning of Fastenings. ii. Identify 5 types of Fastenings and their examples	**Introduction;** Present examples of Fastenings to the Pupils to observe **Activities;** 1. Discuss the meaning of Fastenings with the Learners. 2. Pupils brainstorm to identify different types of Fastenings found in their community.	Nails, screws, bolt and nuts	**Fastenings;** A fastener or Fastening is a hardware device that mechanically joins or affixes two or more objects together. In general, fasteners are used to create non-permanent joints; that is, joints that can be removed or dismantled without damaging the joining components. 	**Exercise;** 1. What are Fastenings? 2. State 5 types of fastening.

			3. Assist Pupils describe the properties of different types of Fastenings. **Closure;** Through questions and answers, conclude the lesson.			
THURSDAY **18-05-2023**	**Topic;** Fastenings **Sub-Topic;** Uses of Fastening tools, devices and materials.	**Objectives;** By the end of the lesson the Pupil will be able to; Identify 5 uses of Fastening tools, devices and materials. **RPK** Pupils have used Fastening tools before.	**Introduction;** Review Pupils knowledge on the previous lesson. **Activities;** 1. Learners brainstorm to identify 5 types of Fastening tools, devices and materials and their uses. 2. Demonstrate using a Fastening tool, device and material.		**Different types of Fasteners** Generally, Fasteners can be divided into three categories: • Temporary Fasteners • Semi-permanent Fasteners • Permanent Fasteners **Temporary Fasteners** These fasteners are easy to allow unfastening of the parts connected without damaging the full elements. Some components are used for temporary Fastening which is as follows: • Bolt • Screw	**Exercise;** Explain the uses of 5 Fastening tools, devices and materails.

			3. Assist Pupils to practice using Fastening tool, device and material. **Closure;** Through questions and answers, conclude the lesson.		• Nuts • Washer • Stud  *Bolt* Bolt has a solid head at one end and is fitted with a thread at the other on which washer and nut are placed to secure it. The important types of bolts are hexagonal-headed bolt, square-headed bolt, round bolt, cylindrical or cheese-headed bolt, T-headed bolt, eye bolt, hook bolt, foundation bolt, and countersunk-headed bolt *Washer* A washer is used in between Bolt and nut to give a smooth bearing surface and increase surface contact area by which loading between bolt and nut decreases.	

					The washer also prevents the nut from cutting into the metal and this allows the nut to be tightened to a greater extent. *Stud* A stud is like a screw but it does not have a head. Studs are used in such places where a component is assembled or de-clamped very often.	

Name of Teacher: ***School:*** ***District:***