NAME OF TEACHER: ..... **WEEK ENDING...26-05-2023.....**

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

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

FORM.....BASIC 9..... **WEEK.....8.....**

DAY/DURATION	***TOPIC/SUB-TOPIC/ASPECT***	***OBJECTIVES/R.P.K***	***TEACHER-LEARNER ACTIVITIES***	**T/L MATERIALS**	**CORE POINTS**	**EVALUATION AND REMARKS**
TUESDAY **23-05-2023**	**Topic;** Fastenings **Sub-Topic;** Temporal joints	By the end of the lesson the Pupil will be able to; I. Explain the meaning of "Temporal Joint". II. Describe types of joints. III. Identify the features of temporal joints. **RPK** Pupils have been using fastening tools, devices and materials.	**Introduction;** Discuss the meaning of temporal joint with the Pupils. **Activities;** 1. Present different types of temporal joints to the class for Learners to observe. 2. Discuss the features of temporal joints with the Pupils. 3. Assist Pupils to identify	Nails, screws, bolt and nuts	**Temporary Joints;** Temporary joints are suitable where a frequent separation of assembled components is required. Permanent joints are suitable for such applications where separation is not required. Examples of various temporary joining techniques: Fasteners (Nut, Bolt, and Screws) **Temporary joints;** - bolts and nuts - screws	**Exercise;** 1. What are Temporal joints? 2. State 4 types of temporal joints and give examples.

			advantages and disadvantages of using temporal joins in fastening. **Closure;** Reflect on the importance of using temporal joints.			
THURSDAY **25-05-2023**	**Topic;** Fastenings **Sub-Topic;** Permanent Joints.	**Objectives;** By the end of the lesson the Pupil will be able to; i. Define Permanent joints in fastening. ii. List examples of Permanent joints. **RPK** Pupils have been using glue.	**Introduction;** Pupils brainstorm to identify 5 examples of Permanent joints in fastening wood works. **Activities;** 1. Discuss with Pupils about the types of permanent joints and examples. 2. Pupils brainstorm to describe the properties of the various types of Permanent joints. 3. Demonstrate how to use		**Permanent Joints;** This process is done, whenever no chance of the re-opening of joints. After disassembling this joint, both the job and fastener get damaged for example welding, brazing, etc. Following methods are used for permanent fasteners: • Brazing • Welding	**Exercise;** 1. Explain 5 types of permanent joints. 2. State 5 advantages and disadvantages of using permanent joints.

			examples of Permanent joints. **Closure;** Assist Pupils to practice using permanent joints		 Brazing  Welding **Permanent Fasteners** **Brazing** It is such as the soldering but has a stronger joints. It is called hard solder. It mainly consists of copper and zinc. Sometimes silver is used to improve the brazing quality.	

					Welding Welding is the process of joining two or more metal parts by melting them up to fusion temperature. Pressure may be applied or isn't according to the necessity. Welding is classified into the following parts • Plastic or Pressure Welding • Fusion or Non- pressure Welding **Plastic or Pressure Welding** In this process, joining ends are heated upon melting point then pressure to fix ends. So that filler metal is required. **Fusion Welding** This welding is also known as non-pressure welding. In this method, metals are heated upon the melting point.	

					And in this process, there is no need to applied pressure.	

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