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

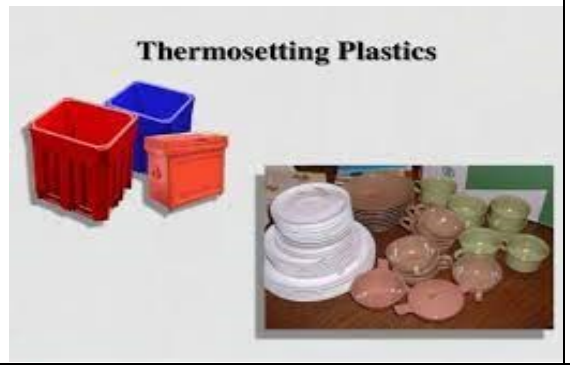
NUMBER ON ROLL: ..... **SUBJECT... PRE-TECHNICAL SKILLS**

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

FORM.....BASIC 9..... **WEEK.....5.....**

DAY/DURATION	***TOPIC/SUB-TOPIC/ASPECT***	***OBJECTIVES/R.P.K***	***TEACHER-LEARNER ACTIVITIES***	**T/L MATERIALS**	**CORE POINTS**	**EVALUATION AND REMARKS**
TUESDAY **02-05-2023**	**Topic;** Plastics **Sub-Topic;** Kinds of Plastics.	By the end of the lesson the Pupil will be able to; i. Define Plastics ii. Identify kinds of Plastics and their examples. **RPK** Pupils have been using Plastic materials.	**Introduction;** Pupils brainstorm to explain the meaning of Plastic. **Activities;** 1. Show Pupils pictures of Plastic materials. 2. Discuss 4 kinds of Plastics with the Pupils. 3. Assist Pupils to identify examples of the various kinds of Plastic.	Electric Iron, Rope, Electrical switches, garden hose, Pictures, Poster.	**Plastics;** Plastics are a wide range of synthetic or semi-synthetic materials that use polymers as a main ingredient. Their plasticity makes it possible for plastics to be moulded, extruded or pressed into solid objects of various shapes. **Different Types of Plastics;** • Acrylic or Polymethyl Methacrylate (PMMA) • Polycarbonate (PC) . • Polyethylene (PE) • Polypropylene (PP) • Polyethylene Terephthalate (PETE or PET) • Polyvinyl Chloride (PVC) • Acrylonitrile-Butadiene-Styrene (ABS)	**Exercise;** 1. What are Plastics ? 2. State 4 types of Plastics . 3. Write 3 examples each of the types of Plastics .

			Closure; Individual Pupils brainstorm to explain the importance of Plastics.		 	
THURSDAY **04-05-2023**	**Topic;** Plastics **Sub-Topic;** Thermosetting Plastics	**Objectives;** By the end of the lesson the Pupil will be able to; i. Explain thermosetting Plastics. ii. Identify examples of thermosetting Plastics. **RPK** Pupils have already been taught about the kinds of Plastic materials.	**Introduction;** Through questions and answers, review Pupils knowledge on the importance of Plastic materials. **Activities;** 1. Discuss the meaning of thermoseeting Plastics with the Pupils. 2. Assist Pupils to describe the features		**Thermosetting Plastics;** A thermosetting plastic is a <u>polymer</u> that irreversibly becomes rigid when heated. Such a material is also known as a thermoset or thermosetting polymer. Initially, the polymer is a liquid or soft solid. Heat provides energy for <u>chemical reactions</u> that increase the cross-linking between polymer chains, curing the plastic. The rate of curing may be increased in many cases by increasing <u>pressure</u> or by adding a <u>catalyst</u>. **Examples of Thermosetting Plastics;** • Vulcanized rubber • Fiberglass (a fiber-reinforced polymer composite)	**Exercise;** 1. What are thermosetting Plastics? 2. State 5 examples of thermosetting Plastics.

			of thermosetting Plastics. 3. Pupils brainstorm to identify examples of thermosetting Plastics. 4. Pupils in small groups to discuss and report to the class on the uses of thermosetting Plastics. **Closure;** Through questions and answers, conclude the lesson.		• Polyester resin • Polyurethane • Melamine • Bakelite • Silicone resin • Epoxy resin  	

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