

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.....

<u>DAY/DURATION</u>	<u>TOPIC/SUB-TOPIC/ASPECT</u>	<u>OBJECTIVES/R.P.K</u>	<u>TEACHER-LEARNER ACTIVITIES</u>	<u>T/L MATERIALS</u>	<u>CORE POINTS</u>	<u>EVALUATION AND REMARKS</u>
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. Closure; Individual Pupils brainstorm to explain the	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; <ul style="list-style-type: none"> Acrylic or Polymethyl Methacrylate (PMMA) Polycarbonate (PC) . Polyethylene (PE) Polypropylene (PP) Polyethylene Terephthalate (PETE or PET) Polyvinyl Chloride (PVC) Acrylonitrile-Butadiene-Styrene (ABS) 	Exercise; <ol style="list-style-type: none"> What are Plastics ? State 4 types of Plastics . Write 3 examples each of the types of Plastics .

			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 thermosetting 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; <ul style="list-style-type: none"> • Vulcanized rubber • Fiberglass (a fiber-reinforced polymer composite) 	Exercise; <ol style="list-style-type: none"> 1. What are thermosetting Plastics? 2. State 5 examples of thermosetting Plastics.

			<p>of thermosetting Plastics.</p> <p>3. Pupils brainstorm to identify examples of thermosetting Plastics.</p> <p>4. Pupils in small groups to discuss and report to the class on the uses of thermosetting Plastics.</p> <p>Closure; Through questions and answers, conclude the lesson.</p>	<ul style="list-style-type: none"> • Polyester resin • Polyurethane • Melamine • Bakelite • Silicone resin • Epoxy resin  	
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School:

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