**EaD Comprehensive Lesson Plans**

or  **0248043888**

**NAME OF TEACHER: ………………………………………………… WEEK ENDING…2O-01-2023………………**

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

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

**FORM……………..BASIC 9…………… WEEK………2…………..**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***DAY/DURATION*** | ***TOPIC/SUB-TOPIC/ASPECT*** | ***OBJECTIVES/R.P. K*** | ***TEACHER-LEARNER ACTIVITIES*** | T/L MATERIALS | CORE POINTS | EVALUATION AND REMARKS |
| **TUESDAY**  **9:15AM - 10:25AM**  **70min** | **Topic;**  Metals(cast iron)  **Sub-Topic;**  Examples of Cast Iron Products. | By the end of the lesson the Pupil will be able to;  i. identify cast iron  **RPK**  Pupils use cast iron products. | **Introduction;**  Discuss meanings of keywords and terminologies in the lesson with the Pupils.  **Activities;**   1. Display cast iron products on a table in front of the class and ask Pupils to identify them. 2. Assist Pupils to describe the uses of the various cast iron products. 3. Demonstrate using a cast iron product for Pupils to observe.   **Closure**  Assist Individual Pupils to use cast iron products. | frying pans, griddles, waffle irons, flattop grills | **Cast Iron;**  **cast iron is** an [alloy](https://www.britannica.com/technology/alloy) of iron that contains 2 to 4 percent [carbon](https://www.britannica.com/science/carbon-chemical-element), along with varying amounts of [silicon](https://www.britannica.com/science/silicon) and [manganese](https://www.britannica.com/science/manganese) and traces of impurities such as [sulphur](https://www.britannica.com/science/sulfur) and [phosphorus](https://www.britannica.com/science/phosphorus-chemical-element).  **Examples of Cast Iron Products;**   * frying pans * dutch ovens * griddles * waffle irons * flattop grills * panini presses * crepe makers * deep fryers * Tetsubin * Woks * Potjies * karahi. | **Exercise;**   1. What is a Cast Iron? 2. Write 5 examples of Cast Iron products. 3. Explain the uses of cast iron products |
| **THURSDAY**  **9:15AM – 10:25AM**  **70mins** | **Topic;**  Metals(cast iron)  **Sub-Topic;**  Properties and uses of Cast Iron. | **Objectives;**  By the end of the lesson the Pupil will be able to;  state the properties and uses  of cast iron.  **RPK**  Pupils use cast iron products. | **Introduction**  Review Pupils knowledge on the previous lesson.  **Activities;**   1. Show Learners video and pictures of Cast Iron products. 2. Discuss the properties of Cast iron with the Pupils. 3. Assist Pupils to explain the properties of Cast Iron.   **Closure**  Through questions and answers, conclude the lesson. |  | **Properties of Cast Iron;**   * relatively low melting point * good fluidity * castability * excellent machinability * resistance to deformation * wear resistance   **Uses of Cast Iron;**   * electrical fittings and equipment * hand tools * pipe fittings * Washers * Brackets * farm equipment * mining hardware * machine parts. | **Exercise;**   1. Explain 5 properties of Cast Iron. 2. State 5 uses of Cast Iron. |

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