**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…………..**

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| ***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
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| **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 usesof 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.
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**Name of Teacher: School: District:**