** JUNIOR SCHOOL**

**KENYA JUNIOR SCHOOL EDUCATION ASSESSMENT**

 **KJSEA**

**FORMATIVE ASSESSMENT**

**PRACTICAL ASSESSMENT**

 **PRETECHNICAL STUDIES**

 **MARKING SCHEME**

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1. You have been provided with the following pictures of people in a certain career. Name the careers shown.

 

**Engineer Technician Mason**

1. Identify the following metals and state their colour and uses.

|  |  |  |  |
| --- | --- | --- | --- |
| Metal  | Name  | Colour  | Uses |
| A | Aluminium  | Shiny grey  | **Make utensils, iron boxes, pans, sufuria, aluminium sheets etc.** |
| B | Iron  | Dull grey  | **Make utensils, iron boxes, pans, sufuria, farm machineries, ironsheets,window frames.** |
| C | Steel  | Black  | **make rail bridges, rods, beams, sufurias, pans, cutleries etc** |
| D | Copper  | Shiny | **making electric wires ,pipes, tanks, sinks etc** |

1. You have been provided with the following materials.
2. Ammeter
3. Wires
4. Bulb
5. Switch
6. Cell holder
7. You are required to
8. Make a complete circuit.

**Teacher to ensure that the connection is appropriate and bulb lights.**

1. Draw a set up to demonstrate a complete circuit.



1. Measure the amount of current passing through the circuit.

……………………………………….

1. Draw hazard symbol that shows high voltage
2. Check whether the following material are good or bad conductors of electricity.

|  |  |
| --- | --- |
| Material  | Conductivity status  |
| **U -plastic spoon** | **poor** |
| **V-aluminium spoon** | **good** |
| **W -dry stick**  | **poor** |
| **X -piece of thread.** | **poor** |
| **Y- pen** | **poor** |
| **Z -iron nails/ pins**  | **good** |

1. The teacher has laid on the table the following non-metallic material.
2. Identify samples ABCD

 A **Piece Of Animal Skin**

 B **Fibres**

 C **Cotton**

 D **Plastic**

1. What is the use of the materials ABCD

A **making drums, shoes, cloths etc**

B **making cloths, baskets, mats etc**

C **making cloths, hospital equipments,blankets etc**

D **making insulators, utensils, cases etc**

1. Identify the accident injury below

 **Burns**