**WEEK 4**

**NAME OF SCHOOL:**

**Topic: Materials for Concrete**

**Class: SS2**

**Date:**

**Duration: 80 minutes**

**Specific instructional objective: At the end of the lesson, student should be able to**

* **Define concrete**
* **Identify materials for concrete**
* **Explain concreting operations**
* **State the uses of reinforcement in concrete**

**Entry Behaviour: students have seen mansion working with concrete**

**Instructional Materials: Charts, text book, pictures, gravel, sand etc.**

**Instructional Procedure:**

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| --- | --- | --- | --- |
| **Step** | **Contents** | **Teacher’s activity** | **Student’s activity** |
| **1** | **Definition of concrete** | **Defines concrete** | **State materials for concrete** |
| **2** | **Materials for concrete** | **Explains materials for concrete. E.g. cement, sand and gravel, water** | **List various materials for concrete work** |
| **3** | **Concreting operations** | **List in sequence concrete operations:**   1. **Batching** 2. **Mixing (Manual & Mechanical)** 3. **Transporting (manual & Mechanical)** 4. **Placing** 5. **Compacting** 6. **Curing (methods used)** | **State the uses of reinforcement**  **Visit sites where concrete materials are deposited** |
| **4** | **Test on concrete** | **Tests are carried out on fresh concrete and harden concrete to determine**   1. **Water content in a wet concrete** 2. **Workability of the concrete (slum test)** 3. **Strength of a hardened concrete (cube test)** |  |
| **4** | **Evaluation** | **Teacher to ask students questions :**   * **List three materials for concrete** * **State two uses of reinforcement** | **Students to respond to all the question in the class and also as an assignment** |
| **7** | **Assignment** | **Students to answer all the stated question above** | **Students to work on the assignment and submit same to the teacher as directed.** |