

EaD Comprehensive Lesson Plans



or



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<https://www.TeachersAvenue.net>

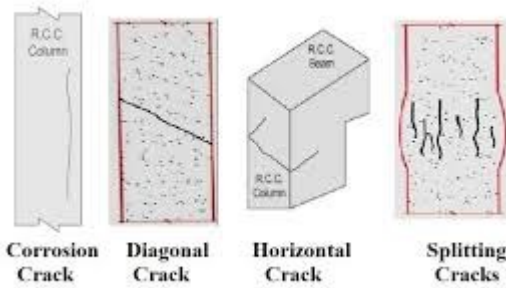
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BASIC 7

WEEKLY LESSON PLAN – WEEK 3

Strand:	Technology	Sub-Strand:	Simple structures and mechanisms, electric and electronic systems		
Content Standard:	B7.4.1.1 Demonstrate understanding of structures in frame construction				
Indicator (s)	B7.4.1.1.2 : Examine the need to understand the causes of structural failure in construction	Performance Indicator: Learners can identify ways of preventing causes of structural failure in construction.			
Week Ending					
Class	B.S.7	Class Size:		Duration:	
Subject	Career Technology				
Reference	Career Technology Curriculum, Teachers Resource Pack, Learners Resource Pack, Textbook.				
Teaching / Learning Resources	Poster, Pictures and Video	Core Competencies:		<ul style="list-style-type: none"> • Communication • Critical thinking • Creativity and Innovation 	
DAY/DATE	PHASE 1 : STARTER	PHASE 2: MAIN			PHASE 3: REFLECTION
MONDAY	Assist Learners to explain the meaning of structural failure in construction	<ol style="list-style-type: none"> 1. Discuss with Learners about the types of structural failure. 2. Show to Learners pictures and video of cracks, splits and breakage structural failure. 3. Learners brainstorm to describe where structural failures occur in structures in the environment. <p>Types of Structural Failure;</p> <ul style="list-style-type: none"> ❖ Compressive ❖ Tensile ❖ bending ❖ buckling 			<p>Through questions and answers, conclude the lesson.</p> <p>Exercise;</p> <ol style="list-style-type: none"> 1. What is Structural Failure? 2. State 3 types of Structural Failure.



THURSDAY

Through questions and answers, review learners knowledge on the previous lesson.

1. Learners in small groups to discuss and report to the class on the causes of structural failure.
2. Assist learners to explain how static and dynamic forces can cause structures to fail.
3. Assist Individual Learners to practice sketching structural failure.

Causes of Structural failure;

- Weak Foundation.
- Faulty Construction.
- Failure to Perform Strength Tests.
- Poor Quality Building Materials.
- Corrosion.
- Natural Disasters.



static forces (stationary forces) due to the structure's own weight or the load that it is carrying.

dynamic forces (moving forces) produced by the wind, sea, vehicles, people, etc.

Appreciate Learners sketches of Structural failure.

Exercise;

Outline 5 causes of Structural Failure.



Name of Teacher:

School:

District: