

GRADE 10 ESSENTIAL MATHEMATICS TERM 2 LESSON PLANS

Grade 10 Essential Mathematics LESSON PLAN: Week 1, Lesson 1

SCHOOL	LEVEL	LEARNING AREA	DATE	TIME	ROLL
..... ...	Grade 10	Essential Mathematics			

WEEK 1: LESSON 1

Strand:

2.0 Measurements and Geometry

Sub Strand:

2.3 Trigonometry

Specific Learning Outcomes:

By the end of the lesson, the learner should be able to:

Identify sides of a right-angled triangle relative to a given angle.

Key Inquiry Question(s):

How can we identify sides of a right-angled triangle?

Core Competencies, Values, and PCIs:

Core Competencies	Values	PCIs
Critical Thinking and Problem Solving	Integrity	Analytical Skills
Communication and Collaboration	Responsibility	Numeracy

Learning Resources:

Charts

Geometry set

Triangle models

Organization of Learning:

Introduction (5 minutes):

Introduce the topic of right-angled triangles.

Discuss the concept of the longest side, the hypotenuse.

Lesson Development (25 minutes):

Step 1: Provide learners with charts and physical triangle models.

Step 2: Guide learners to observe the diagrams and locate the 90-degree angle.

Step 3: Define the 'opposite' and 'adjacent' sides relative to a specifically marked acute angle.

Step 4: Have learners use their geometry sets to draw right-angled triangles and correctly label the three sides.

Conclusion (10 minutes):

Ask oral questions to check if learners can correctly identify the sides on a new triangle drawn on the board.

Summarise the definitions of opposite, adjacent, and hypotenuse.

Extended Activities:

Learners to sketch three right-angled triangles in different orientations and label the sides relative to a chosen angle.

Teacher Self-Evaluation:

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Grade 10 Essential Mathematics LESSON PLAN: Week 1, Lesson 2

SCHOOL	LEVEL	LEARNING AREA	DATE	TIME	ROLL
..... ...	Grade 10	Essential Mathematics			

WEEK 1: LESSON 2