

GRADE 10 CORE MATHEMATICS TERM 2 LESSON PLANS

GRADE 10 CORE MATHEMATICS LESSON PLAN: Week 1, Lesson 1

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

WEEK 1: LESSON 1

Strand:

2.0 Measurements and Geometry

Sub Strand:

2.4 Trigonometry I

Specific Learning Outcomes:

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

Identify trigonometric ratios of acute angles.

Key Inquiry Question(s):

What is trigonometry?

Core Competencies, Values, and PCIs:

Core Competencies	Values	PCIs
Communication and Collaboration	Responsibility	Analytical Skills

Learning Resources:

Charts of triangles

Geometric set

Organization of Learning:

Introduction (5 minutes):

Ask learners to recall the properties of a right-angled triangle and the Pythagorean theorem.

Lesson Development (25 minutes):

Step 1: Introduce the term trigonometry and its relationship with right-angled triangles.

Step 2: Draw a right-angled triangle on the board and guide learners to identify the hypotenuse.

Step 3: Choose an acute angle as a reference point and help learners identify the opposite and adjacent sides relative to it.

Step 4: Introduce the three basic trigonometric ratios (sine, cosine, and tangent) using the sides identified.

Conclusion (10 minutes):

Summarize the definitions of sine, cosine, and tangent on the board.

Ask oral questions to check if learners can correctly identify the opposite, adjacent, and hypotenuse for a given reference angle.

Extended Activities:

Learners to draw three different right-angled triangles and label the sides relative to a marked acute angle.

Teacher Self-Evaluation:

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GRADE 10 CORE MATHEMATICS LESSON PLAN: Week 1, Lesson 2

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

WEEK 1: LESSON 2

Strand:

2.0 Measurements and Geometry

Sub Strand:

2.4 Trigonometry I

Specific Learning Outcomes:

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

Determine sine, cosine and tangent of acute angles.

Key Inquiry Question(s):

How do we determine sine, cosine and tangent?