

Grade 10 Mathematics

Term 2 - 56 complete lesson plans

Ready to teach, in the KICD lesson-plan format | 40-minute lessons | PDF and editable Word

ABOUT THIS PACK

56 complete, ready-to-teach Grade 10 Mathematics lesson plans for Term 2, covering trigonometry 1, area of polygons, area of a part of a circle and surface area and volume of solids.

TOPICS IN THIS PACK

Topic	Name	Lessons
2.4	Trigonometry 1	15
2.5	Area of Polygons	14
2.6	Area of a Part of a Circle	12
2.7	Surface Area and Volume of Solids	15

INSIDE EVERY LESSON PLAN

- The specific learning outcomes, key inquiry question, core competencies, values and PCIs, and the resources needed.
- A timed lesson flow: what the teacher does and what the learners do, from introduction to summary.
- The key content (a worked example, notes or a practical with its expected results), then four practice questions with the answers for the teacher.
- The common mistake to watch for, and ideas for learners who need support and for those ready for more.
- A four-level CBC assessment rubric (EE, ME, AE, BE), homework, and a blank reflection space to fill in after teaching.

A TASTE OF LESSON 1

Right-angled triangles around us and the names of the sides

By the end of the lesson, the learner should be able to: a) identify right-angled triangles in the environment; b) name the hypotenuse, opposite and adjacent sides for a given angle

Sides of a right-angled triangle

Trigonometry is the study of the relationships between the sides and angles of triangles. It starts with right-angled triangles, which are found in ladders against walls, roofs, ramps, kite strings, shadows, slopes and bridges.

In a right-angled triangle the hypotenuse is the longest side, opposite the right angle. For a chosen acute angle A, the opposite side is the one facing the angle and the adjacent side is the one next to the angle that is not the hypotenuse. The names of the opposite and adjacent sides change if you choose the other acute angle.

You also receive this pack as an editable Word file, so you can change any lesson to suit your class before you print it. Lessons follow the order of the KICD curriculum design.