

Grade 10 Power Mechanics

Term 3 - 48 complete lesson plans

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

ABOUT THIS PACK

48 complete, ready-to-teach Grade 10 Power Mechanics lesson plans for Term 3, covering vehicle body joining processes, introduction to engines, types of engines and classifications of engine.

TOPICS IN THIS PACK

Topic	Name	Lessons
3.4	Vehicle body Joining processes	18
4.1	Introduction to engines	12
4.2	Types of Engines	8
4.3	Classifications of Engine	10

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

Why body parts are joined, and how joints are classified

By the end of the lesson, the learner should be able to: a) explain why parts of a vehicle body are joined; b) classify the joining methods used in a vehicle body

Joining vehicle body parts

A body is made from many panels, brackets and parts that cannot be made in one piece: they are formed separately and then joined. A joint must be strong enough for the loads, be sealed against water and dust when needed, resist vibration and corrosion, and suit the material. Some joints must be undone again, for example to remove a door, and others stay for the life of the vehicle.

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.