

Grade 10 Power Mechanics

Term 2 - 32 complete lesson plans

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

ABOUT THIS PACK

32 complete, ready-to-teach Grade 10 Power Mechanics lesson plans for Term 2, covering road wheels, vehicle body and vehicle chassis.

TOPICS IN THIS PACK

Topic	Name	Lessons
3.1	Road wheels	12
3.2	Vehicle body	10
3.3	Vehicle chassis	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

Functions and requirements of road wheels

By the end of the lesson, the learner should be able to: a) state the functions of a road wheel and its tyre; b) state the requirements a good wheel must meet

What a road wheel does

The road wheel, with its tyre, is the only part of the vehicle that touches the road. Its functions are to carry the weight of the vehicle and its load; to pass the driving force from the engine to the road so the vehicle moves; to pass the braking force to the road so it slows and stops; to turn with the steering so the vehicle changes direction; and, with the tyre and suspension, to soften the shocks from the road.

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.