

Grade 10 Electrical Technology

Term 3 - 65 complete lesson plans

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

ABOUT THIS PACK

65 complete, ready-to-teach Grade 10 Electrical Technology lesson plans for Term 3, covering final circuits, semiconductor theory, semiconductor diodes and transistor.

TOPICS IN THIS PACK

Topic	Name	Lessons
3.3	Final Circuits	18
4.1	Semiconductor Theory	15
4.2	Semiconductor Diodes	16
4.3	Transistor	16

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

Final circuits: what they are and the types

By the end of the lesson, the learner should be able to: a) define a final circuit and name the common types; b) explain why an installation is divided into several circuits

Final circuits

A final circuit is a circuit that goes from a protective device (an MCB or fuse) in the consumer unit to the electrical points it supplies, such as lamps, sockets and appliances. The installation is divided into several final circuits so that: a fault on one circuit cuts off only that circuit and leaves the others working; each circuit has a cable and protection to suit its own load; loads can be balanced; and circuits can be isolated for repair without cutting off everything.

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.