

Grade 11 Physical Science Past Papers

Study & Master Physical Sciences Grade 11 has been especially developed by an experienced author team for the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in Physical Sciences. The comprehensive Learner's Book: • explains key concepts and scientific terms in accessible language and provides learners with a glossary of scientific terminology to aid understanding. • provides for frequent consolidation in the Summative assessments at the end of each module • includes views on sensitive issues • includes 'Did you know?' features providing interesting additional information • highlights examples, laws and formulae in boxes for easy reference.

The title of this research study is: Attitudes of grade 11 female students towards physical science in selected high schools in the Matfkeng district. Attitudinal measures, such as levels of student s interest and the perceived utility of science, were examined. The study showed that the attitudes of grade 11 female students in the selected high schools were affected by parents, teachers, peers, classroom environment, personal perception and aspiration.

NCS Updated Physical Science

Std 9, Grade 11

Study and Master Physical Sciences Grade 11 CAPS Teacher's File

Electrostatics

Physical sciences

Force, Momentum and Impulse Physical Science, Grade 11 An ice skater pushes herself away from the side of the ice rink and skates across the ice. She will continue to move in a straight line across the ice unless something stops her. Objects are also like that. If we kick a soccer ball across a soccer field, according to Newton's First Law, the soccer ball should keep on moving forever! However, in real life this does not happen. Is Newton's Law wrong? Not really. Newton's First Law applies to situations where there aren't any external forces present. This means that friction is not present. In the case of the ice skater, the friction between the skates and the ice is very little and she will continue moving for quite a distance. In the case of the soccer ball, air resistance (friction between the air and the ball) and friction between the grass and the ball is present and this will slow the ball down. Chapter Outline: Newton's first law Newton's second law Lifts and rockets Newton's third law Different types of forces Forces in equilibrium Forces between masses Momentum Change in momentum Impulse Conservation of momentum Physics in action Torque and levers The Open Courses Library introduces you to the best Open Source Courses.

Electromagnetism Physical Science, Grade 11 Electromagnetism describes between charges, currents and the electric and magnetic fields which they give rise to. An electric current creates a magnetic field and a changing magnetic field will create a flow of charge. This relationship between electricity and magnetism has resulted in the invention of many devices which are useful to humans. Chapter Outline: Magnetic field associated with a current Current induced by a changing magnetic field Transformers Motion of a charged particle in a magnetic field The Open Courses Library introduces you to the best Open Source Courses.

Learner's book, Grade 11

Active Physical Science

Physical Sciences for the Classroom

Doc Scientia Physical Sciences, Physics

Supplementary exercises, grade 11: physical science

The Atmosphere Physical Science, Grade 11 The atmosphere is the layer of gases that surrounds the earth. We may not always be aware of them, but without these gases, life on earth would definitely not be possible. The atmosphere provides the gases that animals and plants need for respiration (breathing) and photosynthesis (the production of food), it helps to keep temperatures on earth constant and also protects us from the sun's harmful radiation. In this book, we are going to take a closer look at the chemistry of the earth's atmosphere and at some of the human activities that threaten the delicate balance that exists in this part of our planet. Chapter Outline: Composition and structure Greenhouse gases and global warming The Open Courses Library introduces you to the best Open Source Courses.

Electrostatics Physical Science, Grade 11 The electrostatic force was first studied in detail by Charles Coulomb around 1784. Through his observations he was able to show that the electrostatic force between two point-like charges is inversely proportional to the square of the distance between the objects. He also discovered that the force is proportional to the product of the charges on the two objects. Chapter Outline: Coulomb's law Electric fields around charges Electrical potential energy Capacitor The Open Courses Library introduces you to the best Open Source Courses.

Electromagnetism

Physical Science Workbook

Electric Circuits

Learners' book, Grade 11

The Lithosphere Physical Science, Grade 11 If we were to cut the Earth in half, we would see that our planet is made up of a number of layers, namely the core at the centre (seperated into the inner and outer core), the mantle, the upper mantle, the outer crust and the atmosphere. The core is made up mostly of iron. The mantle, which lies between the core and the crust, consists of molten rock, called magma which moves continuously because of convection currents. The crust is the thin, hard outer layer that 'floats' on the magma of the mantle. It is the upper part of the mantle and the crust that make up the lithosphere ('lith' means 'types of stone' and 'sphere' refers to the round shape of the earth). Together, the lithosphere, hydrosphere and atmosphere make up the world as we know it. Chapter Outline: Mining and mineral processing Energy resources The Open Courses Library introduces you to the best Open Source Courses.

Study & Master Physical Sciences Grade 11 has been especially developed by an experienced author team for the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in Physical Sciences. The innovative Teacher's File includes: • guidance on the teaching of each lesson for the year • answers to all activities in the Learner's Book • assessment guidelines • photocopiable templates and resources for the teacher

Electronic Properties of Matter

Grade 11

Grade 11 : Revision : Questions and Answers

Grade 11 Teaching and Assessment Guide (CD-ROM).

Physical Science, Grade 11

Study & Master Physical Sciences Grade 11 2nd Edition takes a fresh and innovative look at the world around us and links science to our everyday lives. The Learner's Book: • is pitched at a language level that will reach all learners and especially those that take the subject in their second language • explains and reinforces the language of science that all Physical Science learners must master to complete the subject successfully • includes a wide variety of contexts, often linked to activities suitable for assessment • offers extensive examples of worked questions and calculations, followed by exercises, to show learners how to go about answering more challenging questions • explains and highlights definitions and formulas in boxes for easy reference • provides additional information in the 'Did you know?' features • includes Summative Assessment activities at the end of modules. The Teacher's Guide includes: • a comprehensive overview of the National Curriculum Statement

Electric Circuits Physical Science, Grade 11 Ohm's Law tells us that if a conductor is at a constant temperature, the current flowing through the conductor is proportional to the voltage across it. In a light bulb, the resistance of the filament wire will increase dramatically as it warms from room temperature to operating temperature. If we increase the supply voltage in a real lamp circuit, the resulting increase in current causes the filament to increase in temperature, which increases its resistance.

This effectively limits the increase in current. In this case, voltage and current do not obey Ohm's Law. Chapter Outline: Ohm's Law Resistance Parallel and series networks The Open Courses Library introduces you to the best Open Source Courses.

Study & Master Study Guide

Oxford Successful Physical Sciences

Physical Sciences

Attitudes of Grade 11 Female Students Towards Physical Science

Physics. Theory & workbook

Atomic Nuclei Physical Science, Grade 11 Nuclear physics is the branch of physics which deals with the nucleus of the atom. Within this field, some scientists focus their attention on looking at the particles inside the nucleus and understanding how they interact, while others classify and interpret the properties of nuclei. This detailed knowledge of the nucleus makes it possible for technological advances to be made. In this book, we touch on each

of these different areas within the field of nuclear physics. Chapter Outline: Radioactivity and types of radiation Sources of radiation Half-life Dangers and uses of radiation Nuclear fission and fusion The Open Courses Library introduces you to the best Open Source Courses.

Study & Master Physical Sciences Grade 12 has been especially developed by an experienced author team for the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in Physical Sciences.

Teacher's guide, Grade 11

Force, Momentum and Impulse

Version 1, CAPS, Physical sciences

Study And Master Physical Science Grade 11 Learner's Book

Physical Science

Study & Master Study GuidePhysical sciencesStudy and Master Physical Sciences Grade 11 CAPS Learner's Book

Electronic Properties of Matter Physical Science, Grade 11 We can study many different features of solids. Just a few of the things we could study are how hard or soft they are, what their magnetic properties are or how well they conduct heat. The thing that we are interested in, in this book, are their electronic properties. Simply, how well do they conduct electricity and how do they do it. Chapter Outline: Conductors, insulators and semi-conductors Intrinsic properties and doping The p-n junction The Open Courses Library introduces you to the best Open Source Courses.

X-kit Fat G11 Phys Science Physics

The Atmosphere

Grade 11 CAPS, 3 in 1

Physical Sciences Explained

Study and Master Physical Sciences Grade 11 Assessment Support CD-ROM

Study & Master Physical Sciences Grade 11 takes a fresh and innovative look at the world around us and links science to our everyday lives. All case studies and information on specialised fields, companies and institutions were personally researched by the author and verified by experts in those fields, companies and institutions.

This Study & Master Physical Sciences Grade 11 CD-ROM provides additional activities to support teachers in managing and completing the formal assessment tasks required by the National Department of Education.

Physical Science for Gr 11 : Physical Science for Grade 11 Theory, Exercises & Practical Investigations (CAPS)

Supplementary guide, Grade 11

Study and Master Physical Sciences Grade 11 Learner's Book

Study and Master Physical Science Grade 11 Learner's Book Afrikaans Translation

Study and Master Physical Sciences Grade 11 CAPS Learner's Book