



KWAZULU-NATAL PROVINCE

EDUCATION
REPUBLIC OF SOUTH AFRICA

PHYSICAL SCIENCES

SCOPE FOR CONTROL TESTS AND EXAMINATION 2024: GRADE 11

MARCH CONTROLLED TEST			
PAPER	TOPICS	MARK	DURATION
ONE PAPER ONLY	Mechanics: - Vectors in two dimensions, Different kinds of forces, Force diagrams, Free-body diagrams, - Newton's First, Second and Third Laws, - Newton's Law of Universal Gravitation. Electricity and Magnetism: Electrostatics - Electric charge and charge transfer (grade 10) - Coulomb's Law, - Electric Fields.	100	2 hours

JUNE / MID-YEAR EXAMINATION			
NB: June / Mid-year examination will assess all the Term 1 and Term 2 work.			
PAPER	TOPICS	MARK	DURATION
PAPER 1	- Vectors in two dimensions - Newton's laws - Electrostatics - Electromagnetism - Electric circuits	75	1½ hours
PAPER 2	- Chemical bonding - Lewis diagrams and electron configuration - Writing of formulae - Molecular shapes - Electronegativity - Intermolecular forces	75	1½ hours

SEPTEMBER CONTROL TEST			
PAPER	TOPICS	MARKS	DURATION
ONE PAPER ONLY	- Quantitative aspects of chemical change - Energy and chemical change - Acids and bases - Ideal gases and thermal properties	100	2 hours

Physical Science Grade 11 Scope

RJ Alexander



Physical Science Grade 11 Scope:

The Art of Teaching Science Jack Hassard, Michael Dias, 2013-07-04 The Art of Teaching Science emphasizes a humanistic experiential and constructivist approach to teaching and learning and integrates a wide variety of pedagogical learning tools These tools involve inquiry and experimentation reflection through writing and discussion as well as experiences with students science curriculum and pedagogy Becoming a science teacher is a creative process and this innovative textbook encourages students to construct ideas about science teaching through their interactions with peers professionals and instructors and through hands on minds on activities designed to foster a collaborative thoughtful learning environment

Qualification Standards for Positions Under the General Schedule United States. Office of Personnel Management. Occupational Standards Branch, 1979

Resources in Education ,2001-04

Salaries of Federal Government Employees United States. Congress. Senate. Committee on Post Office and Civil Service, 1949 Considers legislation to establish a systematic basis for the grading of positions in the classified Federal service and to provide for fixing and adjustment of pay rates for Federal employees covered by the Classification Act Also considers legislation to revise salary rates for postal employees

Galion Vocational Trade and Industrial Program, Galion, Ohio Galion (Ohio). High School, 1939

Forum ,1982

Models of Science Teacher Preparation D.R. Lavoie, W.M. Roth, 2005-12-29 This unique edited book is a must for science educators who desire to improve upon traditional methods for science teaching and learning It provides background theoretical research based frameworks guidelines and concrete examples for the implementation and assessment of innovative models of science learning teaching and professional preparation

College Programs for High School Students ,1973

School Science and Mathematics ,1914

Research in Education ,1973

School Life ,1945

Discover Science: Teacher's annotated edition ,1991 Science content helps develop the skills needed to understand how science works learn new concepts solve problems and make decisions in today's technological society

Salaries of Federal Government Employees. Hearings ... on S. 558, S. 559, S. 1762, S. 1772, S. 1790 ... May 9, 11, 18, 20, and 25, 1949 United States. Congress. Senate. Committee on Post Office and Civil Service, 1949

The Sourcebook for Teaching Science, Grades 6-12 Norman Herr, 2008-08-11 The Sourcebook for Teaching Science is a unique comprehensive resource designed to give middle and high school science teachers a wealth of information that will enhance any science curriculum Filled with innovative tools dynamic activities and practical lesson plans that are grounded in theory research and national standards the book offers both new and experienced science teachers powerful strategies and original ideas that will enhance the teaching of physics chemistry biology and the earth and space sciences

Summary of Requirements in Teacher Education Curricula National Council for Accreditation of Teacher Education, 1958

The Science Teacher ,1993 SCC Library has 1964 cur

The Fort Wayne Community Schools Today and Tomorrow ,1984

Social Sciences and Humanities Index ,1916

Students Learning Science Christine Y. O'Sullivan, Andrew R.

Weiss, Janice M. Askew, 1998 This report on teachers academic preparation and professional development the amount of emphasis science instruction receives in schools student course taking and the availability of school resources that support science learning is intended primarily for policy makers school administrators and educators concerned with state or school level policies Data is drawn from the 1996 National Assessment of Educational Progress NAEP and results are presented using the students as the unit of analysis Appendices present an overview of procedures used for the NAEP 1996 Science Assessment and standard errors Contains 14 figures and 25 tables DDR *Physical Sciences for High Schools* John Clarence Hogg, 1951

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