



**KWAZULU-NATAL PROVINCE**

EDUCATION  
REPUBLIC OF SOUTH AFRICA

# **PHYSICAL SCIENCES**

## **SCOPE FOR CONTROL TESTS AND EXAMINATIONS 2024: GRADE 10**

<b>MARCH CONTROL TEST</b>			
<b>PAPER</b>	<b>TOPICS</b>	<b>MARK</b>	<b>DURATION</b>
ONE PAPER ONLY	<ul style="list-style-type: none"> <li>• Transverse pulses on a string/spring</li> <li>• Transverse waves</li> <li>• Longitudinal waves</li> <li>• Electromagnetic radiation</li> <li>• Electrostatics</li> <li>• Electric Circuits</li> </ul>	100	2 hours
<b>JUNE EXAMINATION</b>			
<b>PAPER</b>	<b>TOPICS</b>	<b>MARKS</b>	<b>DURATION</b>
PAPER 1	<ul style="list-style-type: none"> <li>• Transverse pulses on a string or spring</li> <li>• Transverse waves</li> <li>• Longitudinal waves</li> <li>• Electromagnetic radiation</li> <li>• Electrostatics</li> <li>• Electric Circuits</li> </ul>	75	1½ hours
PAPER 2	<ul style="list-style-type: none"> <li>• Matter and classification</li> <li>• States of matter and the kinetic molecular theory</li> <li>• The atom</li> <li>• The periodic table</li> <li>• Chemical bonding</li> <li>• Physical and chemical change</li> <li>• Representing chemical change</li> <li>• Quantitative aspects of chemical change</li> </ul>	75	1½ hours

# Physical Science Grade Scope Pnovember

**Philippines**



## **Physical Science Grade Scope Pnovenber:**

**Pathways to the Science Standards** Steven J. Rakow,1998 The purposes of this guide are to demonstrate how to apply the National Science Education Standards to the real world of the middle school classroom and to serve as a tool for collaboration among principals state and local administrators parents and school board members Different sections focus on science teaching standards professional development standards assessment standards content standards program standards and system standards The unifying concepts and processes discussed in the content standards include science as inquiry physical science life science earth and space science science and technology science in personal and social perspectives and the history and nature of science The appendices contain an account of the relevant history of the National Science Education Standards the actual National Science Education Standards and ideas about the design of middle school science facilities DDR     **Library Leaflet** ,1919     Current Index to Journals in Education ,2002     **Library Leaflet** United States. Bureau of Education,1919     **Science Scope** ,2003     **Research in Education** ,1973     Teaching Children Science Joseph Abruscato,2004 Intended for both pre service and practicing teachers Teaching Children Science Sixth Edition provides elementary science methods content and activities using Abruscato s discovery approach presenting contemporary ideas in a motivating engaging writing style that captivates future classroom teachers and enhances instruction in the science classroom Allow your students to discover science through this practical text Each chapter begins with A Look Ahead and Going Further Each chapter concludes with a summary Suggested Readings and Real Teachers Talking A Starting Point for Thinking Talking and Writing In the first section STRATEGIES AND TECHNIQUES the author starts your students on a path to discovery by asking questions likeAA How Can I Use Key Ideas from Learning Theory to Create a Discovery Based Classroom How Can I Use the Science Process Skills as Starting Points for Discovery Unit and Lesson Planning How Can I Use Cooperative Learning Special Questioning Active Listening and Other Strategies to Foster Discovery Learning And moreA In the second section EARTH SPACE SCIENCES AND TECHNOLOGY UNIT LESSON PLAN STARTER IDEAS SCIENCE CONTENT AND DISCOVERY ACTIVITIES your students will learn how to adapt science curriculum bring in content and conduct activities in areas such as The Cosmos and The EarthAs Atmosphere In the third section LIFE SCIENCES AND TECHNOLOGY UNIT LESSON PLAN STARTER IDEAS SCIENCE CONTENT AND DISCOVERY ACTIVITIES your students will learn how to adapt science curriculum bring in content and conduct activities in areas such as Plants and Animals and The Human Body This is an excellent resource for future teachers to have during their actual teaching Professor Russell Agne The University of Vermont Dr AbruscatoAs writing style appeals to those who aspire to teach science as well as to those who have a desire to teach but are among the many who tend to be science shy Professor Jim Dawson Rochester College Author bio Dr Joseph Abruscato received his Bachelors and Masters Degrees from Trenton State College and his Ph D from The Ohio State University He presently teaches science curriculum and methods courses at the

University of Vermont Burlington He was inspired by his own teachers to enter the teaching profession and his personal experience as a teacher has enhanced his professional work as a teacher educator Dr Abruscato has presented hundreds of speeches and workshops across the United States and Canada and has published a variety of science books for children and teachers including *Teaching Children Science* and *Whizbangs and Wonderments* Other Texts to Consider     **Resources in Education** ,2001-04     **ENC Focus** ,1994     **Chemical News and Journal of Physical Science** ,1894     The Chemical News : and Journal of Physical Science ,1894     *Data India* ,1977     **Defending Evolution in the Classroom** Brian J. Alters,Sandra Alters,2001 A novel handbook that explains why so many secondary and college students reject evolution and are antagonistic toward its teaching     *Integrating Math and Science* ,1996     *Physiology in the American Context, 1850-1940* Gerald L. Geisson,2013-05-27 A study of physiology in America this places the development of American physiology in the cultural context of the period Divided into three parts the book covers social and institutional history physiology in relation to other fields and instruments materials and techniques     **Chemical News and Journal of Physical Science** William Crookes,James H. Gardiner,Gerald Druce,H. W. Blood-Ryan,1919     **Science News-letter** ,1937     **Official Gazette** Philippines,2005     **School Life** ,1945     **The India-rubber Journal** ,1910

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