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Basic Education
REPUBLIC OF SOUTH AFRICA

SENIOR CERTIFICATE EXAMINATIONS/ NATIONAL SENIOR CERTIFICATE EXAMINATIONS

PHYSICAL SCIENCES: PHYSICS (P1)

MAY/JUNE 2024

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MARKS: 150

TIME: 3 hours

This question paper consists of 16 pages and 3 data sheets.

Physical Science Exemplar 2013

Amy J. Heineke, Aimee Papola-Ellis



Physical Science Exemplar 2013:

Hume's Natural Philosophy and Philosophy of Physical Science Matias Slavov, 2020-10-15 This book contextualizes David Hume's philosophy of physical science exploring both Hume's background in the history of early modern natural philosophy and its subsequent impact on the scientific tradition Drawing on Cartesian cosmology and Einstein's special relativity and taking in topics including experimentalism causation laws of nature metaphysics of forces mathematics relation to nature and the concepts of space and time this book deepens our understanding of Hume's relation to natural philosophy It does so in addition by situating Hume's thought within the context of other major philosophers and scientists including Descartes Locke Boyle Kant Newton and Leibniz Demonstrating above all Hume's understanding of the fluid relationship between philosophy and science Hume's Natural Philosophy and Philosophy of Physical Science will provide new insights for historians and philosophers of science

Handbook of Research-Based Practices for Educating Students with Intellectual Disability Karrie A. Shogren, LaRon A. Scott, Evan E. Dean, Brad Linnenkamp, 2024-09-10 Now in its second edition this comprehensive handbook emphasizes research based practices for educating students with intellectual disability across the life course from early childhood supports through the transition to adulthood Driven by the collaboration of accomplished nationally recognized professionals of varied approaches lived experience and expertise and philosophies the book is updated with new theory and research based practices that have been shown to be effective through multiple methodologies to help readers select interventions and supports based on the evidence of their effectiveness Considering the field of intellectual disability from a transdisciplinary perspective it integrates a greater focus on advancing equity in educational outcomes for students This book is a professional resource and graduate level text for preservice and in service educators psychologists speech language therapists and other clinicians involved in the education of children youth and adults with intellectual disability

Inclusive Texts in Elementary Classrooms Amy J. Heineke, Aimee Papola-Ellis, 2022 Learn how to put children's diverse and storied experiences at the center of the curriculum Schools are more diverse than ever before but the texts and materials that typify classroom curricula continue to prioritize so called mainstream stories and perspectives These canonical texts often exclude the nuanced identities and rich lived experiences of the very children sitting in today's classrooms But kids thrive when they see themselves in texts and learn about the world around them by connecting with the experiences of others Based on the authors work with elementary school teachers over the last decade this resource offers strategies for moving away from canonical texts The authors present a four part framework for selecting using and engaging students with texts that promote children's identity development literacy engagement and comprehension and learning across the content areas The practical text provides guidance for setting learning goals that align with relevant standards and curricular directives as well as classrooms examples teaching strategies and reflective questions Book Features An actionable way for teachers to move from theory to practice using what we know about culturally relevant

practice and critical literacy to create instruction that enhances children's classroom experiences and learning. An inclusive and intersectional approach that supports all teachers in enhancing their classroom libraries and curricular resources for the benefit of all students. Specific ideas for texts and authors as well as more generalizable themes and ideas that will guide future exploration and use of texts in classrooms. Tangible strategies and rich classroom examples from 20 expert teachers spanning diverse elementary school settings. Reflective questions to help practitioners personalize the content to their own contexts.

Religion Explained? Luther H. Martin, Donald Wiebe, 2017-09-21. With contributions from founders of the field including Justin Barrett, E. Thomas Lawson, Robert N. McCauley, Paschal Boyer, Armin Geertz, and Harvey Whitehouse, as well as from younger scholars from successive stages in the field's development, this is an important survey of the first twenty-five years of the cognitive science of religion. Each chapter provides the author's views on the contributions the cognitive science of religion has made to the academic study of religion, as well as any shortcomings in the field and challenges for the future. *Religion Explained: The Cognitive Science of Religion after Twenty-five Years* calls attention to the field whilst providing an accessible and diverse survey of approaches from key voices, as well as offering suggestions for further research within the field. This book is essential reading for anyone in religious studies, anthropology, and the scientific study of religion.

Handbook of Research on Science Education Norman G. Lederman, Dana L. Zeidler, Judith S. Lederman, 2023-03-17. Volume III of this landmark synthesis of research offers a comprehensive state-of-the-art survey highlighting new and emerging research perspectives in science education. Building on the foundations set in Volumes I and II, Volume III provides a globally minded, up-to-the-minute survey of the science education research community and represents the diversity of the field. Each chapter has been updated with new research and new content, and Volume III has been further developed to include new and expanded coverage on astronomy and space education, epistemic practices related to socioscientific issues, design-based research, interdisciplinary and STEM education, inclusive science education, and the global impact of nature of science and scientific inquiry literacy. As with the previous volumes, Volume III is organized around six themes: theory and methods of science education research, science learning, diversity and equity, science teaching, curriculum and assessment, and science teacher education. Each chapter presents an integrative review of the research on the topic, pulling together the existing research, working to understand historical trends and patterns in that body of scholarship, describing how the issue is conceptualized within the literature, how methods and theories have shaped the outcomes of the research, and where the strengths, weaknesses, and gaps are in the literature. Providing guidance to science education faculty, scholars, and graduate students, and pointing towards future directions of the field, *Handbook of Research on Science Education: Research Volume III* offers an essential resource to all members of the science education community.

Exemplars, Imitation, and Character Formation Eric Yang, 2024-08-22. This volume examines the role and relevance of exemplars and the practice of imitation in character development and formation. While the role of exemplars and imitation in spiritual and moral

formation has been an integral part of many religious and wisdom traditions in recent times there has been limited theological and philosophical investigation into it and a dearth of interdisciplinary discussion The book brings together relevant research and insights from leading experts within philosophy psychology and theology with a slight emphasis on Christian approaches to exemplars and imitation especially given the reflection on these themes throughout the history of the Christian intellectual and mystical tradition Many of the contributions display an interdisciplinary approach into these issues hence this volume will be of interest to philosophers psychologists theologians and others who work in moral psychology and character formation

International Encyclopedia of Geography, 15 Volume Set Noel Castree, Michael F. Goodchild, Audrey Kobayashi, Weidong Liu, Richard A. Marston, 2017-03-20 Zweifelsohne das Referenzwerk zu diesem weitgefächerten und dynamischen Fachgebiet The International Encyclopedia of Geography ist das Ergebnis einer einmaligen Zusammenarbeit zwischen Wiley und der American Association of Geographers AAG beleuchtet und definiert Konzepte Forschung und Techniken in der Geographie und zugehörigen Fachgebieten Die Enzyklopädie ist als Online Ausgabe und 15 bündige farbige Printversion erhältlich Unter der Mitarbeit einer Gruppe von Experten aus aller Welt ist ein umfassender und fundierter Überblick über die Geographie in allen Erdteilen entstanden Enthält mehr als 1 000 Einträge zwischen 1 000 und 10 000 Wörtern die vornehmlich in grundlegende Konzepte einführen komplexe Themen erläutern und Informationen zu geographischen Gesellschaften aus aller Welt enthalten Entstanden unter der Mitarbeit von mehr als 900 Wissenschaftlern aus über 40 Ländern und bietet damit einen umfassenden und fundierten Überblick über die Geographie in allen Erdteilen Deckt das Fachgebiet umfassend ab und berücksichtigt auch die Richtungen Humangeographie Physikalische Geographie geographische Informationswissenschaften und Systeme Erdwissenschaften und Umweltwissenschaften Führt interdisziplinäre Sichtweisen zu geographischen Themen und Verfahren zusammen die auch für die Sozialwissenschaften Geisteswissenschaften Naturwissenschaften und Medizin von Interesse sind Printausgabe durchgängig in Farbe mit über 1 000 Illustrationen und Fotos Online Ausgabe wird jährlich aktualisiert

Bayesian Models of Cognition Thomas L. Griffiths, Nick Chater, Joshua B. Tenenbaum, 2024-11-12 The definitive introduction to Bayesian cognitive science written by pioneers of the field How does human intelligence work in engineering terms How do our minds get so much from so little Bayesian models of cognition provide a powerful framework for answering these questions by reverse engineering the mind This textbook offers an authoritative introduction to Bayesian cognitive science and a unifying theoretical perspective on how the mind works Part I provides an introduction to the key mathematical ideas and illustrations with examples from the psychological literature including detailed derivations of specific models and references that can be used to learn more about the underlying principles Part II details more advanced topics and their applications before engaging with critiques of the reverse engineering approach Written by experts at the forefront of new research this comprehensive text brings the fields of cognitive science and artificial intelligence back together and establishes a firmly grounded mathematical and computational

foundation for the understanding of human intelligence The only textbook comprehensively introducing the Bayesian approach to cognition Written by pioneers in the field Offers cutting edge coverage of Bayesian cognitive science s research frontiers Suitable for advanced undergraduate and graduate students and researchers across the sciences with an interest in the mind brain and intelligence Features short tutorials and case studies of specific Bayesian models *Learning by Playing* Fran Blumberg,2014 There is a growing recognition in the learning sciences that video games can no longer be seen as impediments to education but rather they can be developed to enhance learning In *Learning By Playing* a diverse group of contributors provide perspectives on the most current thinking concerning the ramifications of leisure video game play for academic classroom learning *The Oxford Handbook of Philosophy of Science* Paul Humphreys,2016-08-04 This handbook provides both an overview of state of the art scholarship in philosophy of science as well as a guide to new directions in the discipline Section I contains broad overviews of the main lines of research and the state of established knowledge in six principal areas of the discipline including computational physical biological psychological and social sciences as well as general philosophy of science Section II covers what are considered to be the traditional topics in the philosophy of science such as causation probability models ethics and values and explanation Section III identifies new areas of investigation that show promise of becoming important areas of research including the philosophy of astronomy and astrophysics data complexity theory neuroscience simulations post Kuhnian philosophy post empiricist epistemology and emergence Most chapters are accessible to scientifically educated non philosophers as well as to professional philosophers and the contributors all leading researchers in their field bring diverse perspectives from the North American European and Australasian research communities This volume is an essential resource for scholars and students

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