

INTRODUCTION

Environmental Science is a subject that helps learners to understand their environment and how they relate to it. It is a multi-disciplinary subject that brings together Agriculture, Home Economics and Science. The combination of these subjects came about as a result of recommendations of the Revised National Policy on Education (1994) and the subsequent Cream Wright report (1995).

RATIONALE FOR ENVIRONMENTAL SCIENCE

Environmental Science exposes learners to hands on experiences characterized by an inquiry method of learning whereby they study through process skills which include observation, asking questions, investigating, experimenting and recording.

Using the hands on approach, Environmental Science gives learners opportunities to develop basic manipulative and problem solving skills useful to real life situations. Environmental Science provides learners with an understanding and acquisition of basic knowledge of health practices, safety in the environment and the world of work.

Environmental Science plays a central role in the development of the learners by helping them gain an understanding of the scientific and technological aspects of the environment they live in. Awareness and knowledge gained and skills learnt are expected to develop the learners' sense of responsibility towards the environment.

SUBJECT AIMS FOR ENVIRONMENTAL SCIENCE

On completion of the Lower Primary Education (Standard 1 – 4), learners should have:

1. developed desirable attributes such as curiosity, creativity, assertiveness, self-esteem, open mindedness and respect for the environment and for one's own life
2. developed environmental awareness and conservation of its resources

3. developed awareness of the inter-relationship between Science, Technology and Society in everyday life
4. acquired knowledge, skills and appropriate attitudes towards food production
5. acquired critical thinking, problem solving and inquiry skills
6. developed awareness and appreciation of the use of computers in everyday life
7. developed awareness and appreciation of basic entrepreneurial skills
8. developed awareness of their rights and responsibilities related to health, safety and sex

TEACHING METHODOLOGIES

The syllabus encourages a learner-centred approach as emphasized in the Curriculum Blueprint. This approach involves laying emphasis on Science process skills, and the exposure to hands on activities, which should increase the participation and performance of all learners, including those with special needs.

The teacher in this case assumes the role of a facilitator for learning. Teaching and learning activities in class are planned to draw from the experiences of the learner, and provide a conducive classroom atmosphere that allows pupils to be active participants in their own learning.

Teachers may use various teaching methods including problem solving, project method, thematic approach, experimentation, investigation, demonstrations, field excursions and discussions. The local environment should be used to provide context to the syllabus.

Environmental Science must be presented in an interesting and challenging way that should popularise it.

Primary Sylabus For Ges

Sarah Murray, Princess Allotey



Primary Syllabus For Ges:

Kvs Kendriya Vidyalaya Sangathan Prt : Primary Teacher Written Examination 2023 (Complete Syllabus)

Guidebook Team Prabhat,2023-01-02 Prepare for success in the KVS Kendriya Vidyalaya Sangathan PRT Primary Teacher Written Examination 2023 with the comprehensive guidebook from Team Prabhat This essential resource provides a complete syllabus guide ensuring that you cover all the necessary topics and excel in your preparation for this important exam Gain a competitive edge with in depth coverage of the exam syllabus including key subjects such as pedagogy child development general knowledge and subject specific content Team Prabhat s expertly curated guidebook offers detailed explanations practice exercises and sample questions to help you master each topic and build confidence for exam day With a focus on clarity accuracy and relevance KVS Kendriya Vidyalaya Sangathan PRT Primary Teacher Written Examination 2023 Complete Syllabus Guidebook ensures that you have everything you need to succeed Whether you re a first time test taker or a seasoned educator looking to refresh your knowledge this guidebook is your go to resource for comprehensive exam preparation Since its publication KVS Kendriya Vidyalaya Sangathan PRT Primary Teacher Written Examination 2023 Complete Syllabus Guidebook has received praise for its thoroughness accuracy and user friendly format Team Prabhat s commitment to excellence shines through in every chapter making this guidebook a trusted companion for aspiring teachers across the country As you progress through the guidebook you ll benefit from Team Prabhat s years of experience in exam preparation and educational publishing Their insider tips expert advice and proven strategies will help you maximize your study time and achieve your goal of passing the KVS PRT Written Examination with flying colors In conclusion KVS Kendriya Vidyalaya Sangathan PRT Primary Teacher Written Examination 2023 Complete Syllabus Guidebook is an indispensable resource for anyone preparing for this important exam Whether you re studying independently or participating in a structured preparation program this guidebook will help you stay focused organized and confident as you work towards your goal of becoming a certified primary teacher Don t miss your chance to ace the KVS PRT Written Examination with confidence Grab your copy of the guidebook now and take the first step towards a rewarding career in education with Team Prabhat s expert guidance

Primary Mathematics Pedagogy at the Intersection of Education Reform, Policy, and Culture

Sarah Murray,Princess Allotey,2021-11-29 This volume provides an in depth comparative examination of how primary mathematics education is influenced by national education reform policy local resources and culture in three different countries By drawing on first hand observations and interviews as well as analysis of policy documents and learning resources the book considers the viability of transferring best practices in primary mathematics education across global contexts Three diverse countries Ghana the US and Singapore are explored Similarities and differences are highlighted and the influence of national and regional initiatives related to pedagogical strategies teacher education and cultural expectations are considered to offer an insightful examination of how best practices might be shared across borders This

book will benefit researchers academics and postgraduate scholars with an interest in international and comparative education mathematics and educational policy Those with a specialization in primary mathematics education including pedagogy and teacher preparation will also benefit from this book

Modern Mathematics Dirk De Bock, 2023-03-08 The international New Math developments between about 1950 through 1980 are regarded by many mathematics educators and education historians as the most historically important development in curricula of the twentieth century It attracted the attention of local and international politicians of teachers and of parents and influenced the teaching and learning of mathematics at all levels kindergarten to college graduate in many nations After garnering much initial support it began to attract criticism But as Bill Jacob and the late Jerry Becker show in Chapter 17 some of the effects became entrenched This volume edited by Professor Dirk De Bock of Belgium provides an outstanding overview of the New Math modern mathematics movement Chapter authors provide exceptionally high quality analyses of the rise of the movement and of subsequent developments within a range of nations The first few chapters show how the initial leadership came from mathematicians in European nations and in the United States of America The background leaders in Europe were Caleb Gattegno and members of a mysterious group of mainly French pure mathematicians who since the 1930s had published under the name of a fictitious Nicolas Bourbaki In the United States there emerged during the 1950s various attempts to improve U S mathematics curricula and teaching especially in secondary schools and colleges This side of the story climaxed in 1957 when the Soviet Union succeeded in launching Sputnik the first satellite Undoubtedly this is a landmark publication in education The foreword was written by Professor Bob Moon one of a few other scholars to have written on the New Math from an international perspective The final epilogue chapter by Professor Geert Vanpaemel a historian draws together the overall thrust of the volume and makes links with the general history of curriculum development especially in science education including recent globalization trends

Developing Mathematical Literacy in the Context of the Fourth Industrial Revolution Espinosa, Edgar Oliver Cardoso, 2021-03-12 In the context of the Fourth Industrial Revolution a world of continuous alterations is glimpsed where science and technology are at the base of economic competitiveness and where innovation plays a strategic role in global competition so that they are forced to cover a series of requirements to compete successfully in an increasingly globalized economy including high investments in both education and research Along these lines the formation of mathematical learning is important because it is oriented towards the development of a set of skills with the aim of resolving situations of daily and professional lives It focuses on the acquisition of employing the different ways of representing information in the form of models constructions and graphs to determine the best decision making In this sense it includes the mastery of the handling of numbers measures and structures to carry out the interpretation of operations and representations of a quantitative nature on personal and professional situations For a society to favor innovation the use of mathematical information is an essential condition that allows the development of creativity and

analysis of information Mathematics education plays a vital role in this development Developing Mathematical Literacy in the Context of the Fourth Industrial Revolution studies the formation of mathematical abilities in the context of the Fourth Industrial Revolution regarding its development of both teaching and learning strategies as well as the use of ICT and its use in the development of this discipline in students It is important that teachers of any educational level reorient their teaching strategies and their role as educators Therefore the chapters discuss up to date and relevant information on teaching and didactic tasks in the subject of mathematics This book highlights mathematical pedagogies ICT in mathematics learning teacher training and classroom strategies for mathematics It is intended for teachers pedagogical advisors business trainers higher education staff administrators teacher educators practitioners stakeholders researchers academicians and students interested in mathematical literacy in the fourth industrial revolution

Master Plan of Operations and Programme Plans of Operation, 1996-2000 Ghana,1995 Studies in Mathematics Education ,1980 Syllabus of a Course of Twelve Lectures on History and Historians Henry Morse Stephens,1905

Studies in Mathematics Education Robert Morris,Robert W. Morris,1984 Junior Graphic Mavis Kitcher (Mrs),2014-01-22 **Daily Graphic** Elvis Aryeh,1993-04-14 *Evaluation Report of the Ghana Girl-Child Education Project Supported by the Government of Canada (SC/97/250-1)* Juliana Osei,2002

The Child Cannot Wait Ghana,1992 *Debates of the Transkei Legislative Assembly* Transkei (South Africa). Legislative Assembly, Malaysian Journal of Tropical Geography ,1990 Gender and Primary Schooling in Ghana Ruby Avotri,2000

Integrating Computers And Problem Posing In Mathematics Teacher Education Sergei Abramovich,2018-09-17

The book is written to share ideas stemming from technology rich K 12 mathematics education courses taught by the author to American and Canadian teacher candidates over the past two decades It includes examples of problems posed by the teacher candidates using computers These examples are analyzed through the lenses of the theory proposed in the book Also the book includes examples of computer enabled formulation as well as reformulation of rather advanced problems associated with the pre digital era problem solving curriculum The goal of the problem reformulation is at least two fold to make curriculum materials compatible with the modern day emphasis on democratizing mathematics education and to find the right balance between positive and negative affordances of technology The book focuses on the use of spreadsheets Wolfram Alpha Maple and The Graphing Calculator also known as NuCalc in problem posing It can be used by pre service and in service teachers interested in K 12 mathematics curriculum development in the digital era as well as by those studying mathematics education from a theoretical perspective

Parliamentary Papers Queensland. Parliament. Legislative Assembly,1979 **Second Survey of Research in Education, 1972-1978** ,1979 Comprises a trend report and abstracts under each topic contributed by various authors *Education Quality and Social Justice in the Global South* Leon

Tikly,Angeline M. Barrett,2013-06-07 How we understand education quality is inextricably linked with perspectives on social justice Questions of inclusion relevance and democracy in education are increasingly contested most especially in the global

South and improving the quality of education particularly for the most disadvantaged has become a topic of fundamental concern for education policy makers practitioners and the international development community The reality experienced by many learners continues to be of inadequately prepared and poorly motivated teachers struggling to deliver a rapidly changing curriculum without sufficient support and often using outmoded teaching methods in over crowded or dilapidated classrooms Education Quality and Social Justice in the South includes contributions from leading scholars in the field of education and development The text draws upon state of the art evidence from the five year EdQual research programme which focuses upon raising achievement in low income countries and demonstrates how systems of high quality universal education can be sustained By exploring recent research initiatives to improve education quality the importance of supporting local policy makers educators and parents as agents of change and students as active inquirers is highlighted and the challenge of taking successful initiatives to scale is explained The book is divided into three main parts Framing Education Quality Planning and Policies for Quality Implementing Quality in Schools Education Quality and Social Justice in the South argues that implementing a high quality of education using theories of social justice can inform the understanding of inclusion relevance and democracy in education The book should be essential reading for both students and researchers within the fields of international and comparative education along with educational policy poverty and development studies

Bulletin of the Unesco Regional Office for Education in Asia and the Pacific ,1986

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