

# **MATHEMATICS FOR YOUNG CHILDREN**

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An Active Thinking Approach

Marion H. Bird

ROUTLEDGE LIBRARY EDITIONS:  
EARLY YEARS



# Mathematics For Young Children An Active Thinking Approach

**BM King**



## **Mathematics For Young Children An Active Thinking Approach:**

**Mathematics for Young Children** Marion H. Bird, 2022-11-21 For many years increasing stress has been placed on the importance of giving the under sevens a good start in mathematics Originally published in 1991 *Mathematics for Young Children* shows how children as young as four and five and of all abilities can be encouraged to carry out their own mathematical explorations whilst covering the content of a prescribed curriculum A substantial part of the book is taken up with actual case studies of children working with Marion Bird in a reception classroom fully illustrated with examples of the children's work These case studies are then analysed to show how a prescribed syllabus can be effectively covered through an investigational approach a point which is of paramount importance to teachers concerned with the introduction of the National Curriculum The role of the teacher too is examined carefully in order to identify those parts of a teacher's repertoire which seems to be particularly fruitful in encouraging young children's active mathematical thinking Throughout readers are encouraged to apply and amend ideas to suit their own particular circumstances *Playful Mathematics* Helen J. Williams, 2022-03-10 Nursery World Professional Book of the Year 2022 Children are naturally mathematical in their play They play with mathematics Early years practitioners often struggle to make mathematics relevant and engaging for their young learners In their play children are naturally mathematical yet practitioners are often unsure about how to build on this or how this observed play fits in with the mathematics they teach This Nursery World Award Winning Book Empowers early years teachers to see the learning in this play and to remain committed to play based practice Outlines recent research on how children best learn mathematics Supports early years practitioners to know why preparation works better than planning and why thinking space matters more than you think **Supporting Early Mathematical Development** Caroline McGrath, 2010-07-12 Supporting Early Mathematical Development is an essential text for current Early Years practitioners and students offering an excellent blend of theory and practice that will enable you to provide successful mathematical education for children from birth to eight years old Charting the delivery of mathematical development in Playgroups Children's Centres Nurseries and Primary Schools it forges links between current practice and fundamental Early Years principles and makes suggestions for creating effective pedagogies in maths teaching Promoting mathematical development through play based learning this book presents a wealth of practical multi sensory teaching strategies instructional methodologies activity ideas incorporating play books songs cookery and the outdoors examples of children's work advice on translating theory into practice questions for reflective practice Throughout the book Caroline McGrath breaks down the complexity of teaching and learning mathematics into simple steps and guides readers through possible gaps in their knowledge bringing fresh enthusiasm to teaching mathematics This is an invaluable resource for practitioners and trainee teachers wishing to strengthen their mathematical teaching and professional practice or for students on a wide range of Early Years courses *MiniMaths 2* Kim Connor, 2000 *MiniMaths* is packed with oodles of maths ideas inspired by everyday

objects like shoes dough flowers and sand Each book contains over 72 engaging maths activities

**Supporting Children's Learning in the Early Years** Linda Miller, Jane Devereux, Carrie Cable, Gill Goodliff, 2014-12-05 Supporting Children's Learning in the Early Years is aimed at early years practitioners who are developing their knowledge and understanding of professional practice through studying at undergraduate level The book encourages readers to consider their professional development as reflective practitioners building on and supporting the government agenda to provide quality provision for young children and their families Combining theory and practice and bringing together current research and thinking in a broad range of areas the book covers Learning environments young children as learners assessment of learning well being and children's rights diversity and inclusion Learning and development children's development including social and emotional development literacy and mathematical development the potential of ICT fostering creativity musical development and knowledge and understanding of the world Reflective practice the learning environment safeguarding and wellbeing the reflective practitioner Throughout the contributions in this book encourage the reader to consider the diverse range of experiences which young children bring to early years and early primary settings and suggest ways in which they can be supported The book will also be a valuable and unique resource for training providers of a range of courses at further and higher education level that prepare people to work with and lead in early years settings in the UK

**Mathematizing** Allen C. Rosales, 2015-07-20 This proven accessible approach to a curriculum presents a learner centered approach to math education Mathematizing provides both the emergent curriculum and professional development frameworks to help young children learn math throughout their everyday routine and to facilitate teachers understanding of how to see and support children's math learning at every turn With this book and its plentitude of case studies illustrations photographs and documentation the mathematizing adult can interpret children's interests and use that knowledge as a catalyst for creating meaningful and purposeful mathematical lessons and interactions

**Big Ideas in Primary Mathematics** Robert Newell, 2021-04-07 This book explains big ideas in mathematics in simple terms supported by classroom examples to show how they can be applied in primary schools to enable learning Carefully linked to the National Curriculum it covers all the major concepts so you can develop your own mathematical subject knowledge and to give you the confidence to deepen your understanding of the children you teach This second edition includes A new links with mastery feature showing how to teach with mastery in mind A new glossary of key terms New big ideas and activities throughout

**Teaching Mathematics 3-5** Susan Gifford, 2005-08 What do we know from research about how three to five year olds learn mathematics bearing in mind their social emotional physical and cognitive development What are the most important aspects of mathematics for young children to learn and how might children learn them How should adults teach mathematics to children so young This book provides a research background for adults helping three to five year olds learn mathematics including social and emotional processes as well as key mathematical ideas and common difficulties It includes implications for practice and proposes a

playful and sensitive approach It is illustrated with examples from the author s own research and work with practitioners

**Boletin Internacional de Bibliografia Sobre Educacion** ,1992    **The Arithmetic Teacher** ,1992    Choice ,1992

**Active Experiences for Active Children** Carol Seefeldt,Alice Galper,Ithel Jones,Judi Stevenson-Garcia,2011-08-04 This book guides teachers in planning and implementing a curriculum that will lead to a high level of involvement on the part of children and ultimately to children s academic success    *Forthcoming Books* Rose Arny,1992-10    Awakening the

Natural Genius of Black Children Amos N. Wilson,1992 Afrikan children are naturally precocious and gifted They begin life with a natural head start However their natural genius is too frequently underdeveloped and misdirected In this volume the author surveys the daily routines child rearing practices parent child interactions games and play materials parent training and pre school programs which have made demonstrably outstanding and lasting differences in the intellectual academic and social performance of Black children    *American Book Publishing Record* ,2001    AB Bookman's Weekly ,1999

Subject Guide to Books in Print ,1993    Books in Print ,1991    The Best Books for Academic Libraries: Science, technology, and agriculture ,2002    **The British National Bibliography** Arthur James Wells,1991

The Enigmatic Realm of **Mathematics For Young Children An Active Thinking Approach**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing in short supply of extraordinary. Within the captivating pages of **Mathematics For Young Children An Active Thinking Approach** a literary masterpiece penned with a renowned author, readers attempt a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting impact on the hearts and minds of those who partake in its reading experience.

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