



FOURTH EDITION

# MATHEMATICS FOR DYSLEXICS AND DYSCALCULICS

A TEACHING HANDBOOK

STEVE CHINN  
AND RICHARD ASHCROFT

WILEY Blackwell

# Mathematics For Dyslexics A Teaching Handbook

**Ronit Bird**



## **Mathematics For Dyslexics A Teaching Handbook:**

Mathematics for Dyslexics and Dyscalculics Steve Chinn, Richard Edmund Ashcroft, 2017-01-30 A seminal handbook in the field for more than 20 years this new and updated edition of Mathematics for Dyslexics and Dyscalculics contains the latest research and best practices for helping learners with numerical and mathematical difficulties Provides a complete overview of theory and research in the fields of dyslexia and dyscalculia along with detailed yet pragmatic methods to apply in the classroom Contains enhanced coverage of place value and the role of the decimal point why fractions can challenge a developed logic for arithmetic and the complexity of time along with new material on addressing anxiety fear motivation and resilience in the classroom and links to new resources including standardized tests and recommended reading lists Written by two mathematics teachers with 50 years of teaching experience between them much of it in specialist settings for students with specific learning difficulties Offers effective teaching strategies for learners of all ages in a structured but accessible format

**Mathematics for Dyslexics** David McLoughlin, S. J. Chinn, J. R. Ashcroft, 1997-09-01 **Mathematics for Dyslexics** Stephen J. Chinn, J. Richard Ashcroft, 1993 *Learning and Learning Difficulties* Peter Westwood, 2013-05-24 This text explores a number of different perspectives and theories on human learning and motivation The author gives significant attention to different types of learning across the curriculum and examines effective types of teaching to facilitate different forms of learning Detailed consideration is given to factors that contribute to common learning problems in school and many practical suggestions are provided for preventing or overcoming some of these difficulties

**More Trouble with Maths** Steve Chinn, 2016-07-21 More Trouble with Maths acknowledges that there are many reasons why children and adults are unable to function mathematically Difficulties include problems with rote learning basic facts and procedures debilitating anxiety poor working and short term memories and mathematics vocabulary Central to this new edition is a range of standardised tests and diagnostic activities including a 15 minute test of basic mathematics a thinking style test tests of basic fact retrieval and maths anxiety Guiding the reader in the interpretation of tests this new edition shows how identifying the barriers to learning is the first step in a programme of intervention Written in an engaging and user friendly style Steve Chinn draws on his extensive experience and expertise to show how to consider and appraise the many factors relating to mathematical learning difficulties explain how these factors can be investigated explore their impact on learning mathematics Emphasising the need for a clinical approach when assessing individuals this book shows how diagnosis and assessment can become integrated into everyday teaching This highly practical and relevant resource is a crucial resource for anyone who wants to accurately and effectively identify the depth and nature of mathematical learning difficulties and dyscalculia The Dyslexic Adult David McLoughlin, Carol Leather, 2013-02-14 A definitive and evidence based guide for psychologists teachers coaches HR personnel and all professionals who must understand and work with dyslexic adults The only book to look at dyslexia within the context of life span developmental psychology including the factors that contribute to

success now fully revised and updated Combines an accessible style with a strong focus on evidence based practice and a sound theoretical model on which to base assessment counselling teaching and training Provides a clear guide to the kinds of assessment that can be conducted and the ways in which dyslexic adults can be supported in selection training education and employment Includes coverage of overlapping syndromes such as dyspraxia and dyscalculia and up to date check lists for syndromes that can be used as part of the assessment process      How to Detect and Manage Dyslexia Philomena Ott,1997 A reference book aimed at learning support co ordinators specialist and non specialist teachers and all others involved in helping students with dyslexia The book includes step by step explanation of the Special Needs Code of Practice legislation help with teaching spelling and writing to dyslexic students advice on study skills and preparation for GCSE examinations information on the provision made by examination boards for dyslexic students guidance on how technology can help the dyslexic learner and help with identifying the early warning signs of dyslexia      **Adult Dyslexia** David McLoughlin,Gary Fitzgibbon,Vivienne Young,2008-10-13 This book focuses on dyslexia in adulthood and describes the nature of the difficulties experienced by dyslexics in their personal working and social lives      *The Trouble with Maths* Steve Chinn,2016-07-13 Now in third edition with updates to reflect developments in our understanding of learning difficulties in maths this award winning text provides vital insights into the often confusing world of numeracy By looking at learning difficulties in maths and dyscalculia from several perspectives including the vocabulary and language of maths thinking styles and the demands of individual procedures this book provides a complete overview of the most frequently occurring problems associated with maths teaching and learning Drawing on tried and tested methods based on research and Steve Chinn s years of classroom experience it provides an authoritative yet accessible one stop classroom resource Combining advice guidance and practical activities this user friendly guide will help you to develop flexible thinking styles use alternative strategies to replace an over reliance on rote learning for pupils trying to access basic facts understand the implications of underlying skills such as working memory on learning implement effective pre emptive measures before demotivation sets in recognise the manifestations of maths anxiety and tackle affective domain problems find approaches to solve word problems select appropriate materials and visual images to enhance understanding With useful features such as checklists for the evaluation of books and a comprehensive overview of resources this book will equip you with essential skills to help you tackle your pupils maths difficulties and improve standards This book will be useful for all teachers classroom assistants learning support assistants and parents      *Understanding Dyscalculia and Numeracy Difficulties* Jane Emerson,Patricia Babbie,2015-07-21 A complete accessible guide to understanding dyscalculia and low numeracy this book covers number sense and how the brain deals with numbers assessment planning intervention what to teach how to teach it and how parents can help Essential for parents teachers and education professionals working with a child with numerical difficulties      **Psychological Assessment of Dyslexia** Martin Turner,2008-04-15 This book provides a refreshingly rational guide to the many issues

involved in psychological assessment taking dyslexia to be a remedial cognitive deficit The author reviews the major tests in use for children and adults while keeping the scientific purpose for their use firmly in view Written primarily for assessment professionals the book will appeal to parents and specialist teachers and all those with an interest in fair and objective methods for dealing with dyslexia     **Schools for Special Needs** ,2005 The definitive guide to special needs education in the UK fully revised and updated for this new edition Special needs provision has changed rapidly in recent years as awareness of different conditions has grown An increasing emphasis on the importance of meeting the individual often complex needs of each child has meant that finding the right school is increasingly complicated for parents and their supporting professionals Schools for Special Needs explains the system and the application selection processes involved and offers parents comprehensive independent advice on all the important areas It offers authoritative and practical advice on how to identify the need for special education and how to make the right choices With details of over 2000 establishments and guidance from experts in all sectors of special education this book is an indispensable aid to all those professionals and laypeople investigating the legal and practical aspects of ensuring suitable educational provision for children and young people at all stages of education     Numeracy and Learning Difficulties Peter Westwood,2012-12-06 By understanding why children struggle with maths teachers are better equipped to provide effective support and nurture confidence in low achievers Numeracy and Learning Difficulties includes how to tackle common learning difficulties by following different teaching practices and principles identifying gaps in students knowledge and developing curricula that bridges these gaps improves numerical literacy using problem solving strategies and skills and a handy checklist of benchmarks in achievement

**Dyslexia-Successful Inclusion in the Secondary School** Lindsay Peer,Gavin Reid,2012-10-12 Increasingly dyslexia is becoming a whole school issue The responsibility for addressing the needs of dyslexic students no longer rests with one individual but is the responsibility of all school staff subject specialists and school management This timely book addresses this need by providing specific guidance to secondary school staff on how to support dyslexic students within different subject areas and within the principles and practices of inclusion     **Reversing Lower Attainment** Diane

Montgomery,2013-10-28 First Published in 1998 All learners and in particular lower attainers need to have a curriculum which is cognitively challenging motivating and enriching This book aims to help teachers adapt their teaching strategies so that they can offer such a curriculum especially to lower attainers The nature of lower attainment is examined in its various forms in the highly able the slower learner the dyslexic and disaffected The origins of these problems and how they may be identified are also discussed An evaluation of the different curriculum models and methods of differentiation is provided and the author outlines the general principles and practices of good teaching with reference to a wide range of curriculum areas

**Overcoming Difficulties with Number** Ronit Bird,2009-09-30 In writing this practical book Ronit Bird has drawn on her teaching and training experience to create teaching plans for key numeracy topics aimed at those working with students

aged 9-16. She provides detailed strategies for teaching numeracy skills through a progression of practical activities and visualisation techniques which build the self-esteem of students who need extra help and give them a basic foundation in number. While the plans cover the National Numeracy Strategy they can also be used in any setting where maths is being taught. Topics covered include games and puzzles for learning number components, bridging, multiplication, division, reasoning strategies. A bank of accompanying resources, games, activities and Su Doku puzzles is available on the companion website for the book. This is an ideal resource for both class teachers and maths subject teachers and is equally useful for teaching assistants and learning support assistants.

**The Dyscalculia Assessment** Jane Emerson, Patricia Babbie, 2014-12-08. The Dyscalculia Assessment is a tool for investigating pupils' numeracy abilities. It is designed to inform a personalised teaching programme for individuals or small groups of pupils who have difficulties with numbers. The assessment was devised at Emerson House, a specialist centre in London supporting pupils with difficulties in numeracy and literacy. The bestselling first edition of the book, written by Jane Emerson and Patricia Babbie, was the winner of the ERA Best Special Educational Needs Resource 2011. This fully revised and updated second edition features a brand new design, making the step-by-step assessment even easier to navigate and use with SENCOs or those with no specific special needs training. The suggested script for each stage of the investigation, that runs alongside the photocopiable assessment sheets, make this book an extremely user-friendly, accessible teaching and learning resource. This book also includes an introduction to dyscalculia and co-occurring conditions, guidance on how to conduct the assessment, including tips on behaviours to look out for, information on the equipment you need and how to use it, instructions on how to interpret the results of each stage of the assessment and how to produce a personalised teaching plan, games and activities to engage the pupils and reinforce numeracy skills. The Dyscalculia Assessment is ideal for use with primary school children but can easily be adapted for older students and is invaluable for SENCOs, TAs, educational psychologists and mainstream teachers keen to support students with numeracy difficulties in their class.

**Maths Learning Difficulties, Dyslexia and Dyscalculia** Steve Chinn, 2018-10-18. Written by a world authority on maths difficulties in children, this accessible guide provides tried and tested visual strategies and tailored techniques to help teachers and parents support children with SpLDs who need help with maths. Drawing on the latest research into areas such as cognition and meta-cognition, along with the authors' decades of teaching experience, the book offers insight into how maths learning difficulties, including dyslexia, dyscalculia and maths anxiety, make maths difficult. Each chapter looks at foundational areas of maths learning that children may struggle with, from early number experiences to basic addition and subtraction, times tables, measurement and more. Essential reading for any teacher, learning assistant or parent supporting children with maths.

**Dyslexia and Other Learning Difficulties** Maria Chivers, 2004. This guide takes parents step-by-step through diagnosis, treatment, education and beyond into career options. Up-to-the-minute facts and practical advice enable them to pinpoint exactly what is wrong with their child, assess their child's rights and choose the right

education from among the options      *Approaching Difficulties in Literacy Development* Felicity Fletcher-Campbell, Janet Soler, Gavin Reid, 2009-08-24 This Reader considers the complexity of literacy difficulties showing how research into literacy difficulties has to be multi faceted and multi disciplinary and involve a range of research approaches and methods The chapters show that this is necessary to accommodate the wide range of issues that can potentially explain literacy difficulties and suggest strategies and interventions to ease those difficulties Starting from the point that literacy is a contested concept and that acquiring literacy is a complex process this Reader goes on to consider literacy development in relation to Theoretical understandings implications for practice Assessing literacy difficulties Pedagogy and planning Interventions in different contexts This Reader is relevant to all postgraduate students of Literacy as well as educators professionals and policy makers

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