

Numicon Balance Scales Activities

Are you overwhelmed by the amount of paperwork that SEN generates in your school? Would you like to spend more time actually improving the quality of teaching and learning for pupils with SEN or disabilities? If so, this is an essential book for you. Fully revised and updated for the 2014 SEN Code of Practice, this new edition contains strategies for reducing the number of individual education plans and review meetings. *Beating Bureaucracy in Special Educational Needs* will help you to use existing systems for target setting, recording and planning – personalised systems that are used for all children as part of everyday teaching practices. It lists the intervention programmes that really work and showcases the work of four schools that have successfully developed ways of planning provision, working with parents, and supporting staff development. Ready-to-use proforma in the book are also available online, and include a model policy for Ofsted; strategy sheets for all main types of SEN; provision maps and proformas to help you plan, monitor and evaluate your provision. *Beating Bureaucracy in Special Educational Needs* will provide support for school leaders, SENCOs and anyone undertaking the national SENCO award. A practical and engaging guide, this new and updated edition shows how to put responsibility for supporting children with most types of additional need firmly back where it belongs – with class and subject teachers. It will help you – in the words of one SENCO – ‘get your life back’.

Create an inclusive classroom for all through engaging maths activities such as Shape Bingo, Cake Splat! and Fruity Fractions, all of which have been matched to the UK National Curriculum P Levels 4 - 8. Tailored to the specific P Level, each lesson plan includes a learning objective, the resources needed, the main activity, a plenary and a consolidation activity to help support children's understanding. When working with children, and especially those with SEN, lessons need to meet their interests as well as their needs by containing visual stimulus, movement and fine and gross motor skills, and the activities in this book have been specifically designed with this in mind. This straightforward and practical book offers you 101 creative classroom activities for teaching maths to pupils who are achieving at P Levels 4 - 8 and Key Stage One as well as mapping the range of additional skills they will acquire.

Focusing on good progression from Reception to Year 6, *Maths 5-11* provides a clear and concise presentation of the fundamental knowledge that all primary mathematics teachers need. It provides readers with practical knowledge for the planning and assessment necessary to employ the theories expressed in the book. Ranging from number sense and place value to looking in depth at the various aspects of fractions and mathematical reasoning, this book explores: mathematical connections inside and outside of the curriculum; the relation of mathematics to other primary subjects such as science, geography, and art; mathematics teaching practices from high-performing jurisdictions across the world; the progression of learning from primary school to secondary school; the ‘big ideas’ in mathematics; and activities that provide strategies for children to use responsively and creatively. Helping primary teachers and mathematics coordinators improve and enhance their mathematical subject knowledge and pedagogy, *Maths 5-11* will re-instil an excitement about teaching mathematics among its readers.

Create an inclusive classroom for all with this resource, full of ideas for engaging and accessible English lessons. Each lesson is tailored to objectives for children working below National Curriculum levels and includes a learning objective, the resources needed, the main activity, a plenary and a consolidation activity to help support children's understanding. When working with children, and especially those with SEN, lessons need to meet their interests as well as their needs by containing visual stimulus and promoting fine and gross motor skills, and the activities in this book have been specifically designed with this in mind. This straightforward and practical book offers you 101 creative classroom activities for teaching English to pupils who are achieving at P Levels 4 - 8, as well as mapping the range of additional skills they will acquire.

Books and Apparatus ...

Mr Bunny's Chocolate Factory

Enriching Mathematics in the Primary Curriculum

Fun Activities and Lesson Plans for Children Aged 3 - 11

Research-based Strategies for the Classroom

Beating Bureaucracy in Special Educational Needs

Dyslexia, Dyscalculia and Mathematics will be an essential resource for teachers, classroom assistants, and SENCOs who help dyslexic and dyscalculic children with their understanding of mathematics. Written in an accessible style with helpful illustrations, this practical book reveals helpful ways in which to tackle both simple and complex concepts with students of all ages. This second edition has been updated to include references to using technology that will help children with dyslexia and dyscalculia reinforce their mathematical skills and also contains a number of photocopiable resources that can be used in the classroom. Written by Anne Henderson, who is experienced in teaching language and mathematics to pupils with dyslexia and dyscalculia, this book outlines current thinking in the field and shows how the research methods that have been proven as successful can be used with whole classes of children. This book encourages flexible methods and gives teachers the confidence to discuss alternative solutions with their pupils and help them achieve success. It is an ideal handbook for parent-teacher programmes and is also suitable for in-service training.

This comprehensive volume provides teachers, researchers and education professionals with cutting edge knowledge developed in the last decades by the educational, behavioural and neurosciences, integrating cognitive, developmental and socioeconomic approaches to deal with the problems children face in learning mathematics. The neurocognitive mechanisms and the cognitive processes underlying acquisition of arithmetic abilities and their significance for education have been the subject of intense research in the last few decades, but the most part of this research has been conducted in non-applied settings and there 's still a deep discrepancy between the level of scientific knowledge and its implementation into actual educational settings. Now it 's time to bring the results from the laboratory to the classroom. Apart from bringing the theoretical discussions to educational settings, the

volume presents a wide range of methods for early detection of children with risks in mathematics learning and strategies to develop effective interventions based on innovative cognitive test instruments. It also provides insights to translate research knowledge into public policies in order to address socioeconomic issues. And it does so from an international perspective, dedicating a whole section to the cultural diversity of mathematics learning difficulties in different parts of the world. All of this makes the International Handbook of Mathematical Learning Difficulties an essential tool for those involved in the daily struggle to prepare the future generations to succeed in the global knowledge society.

THIS BOOK IS AVAILABLE AS OPEN ACCESS BOOK ON SPRINGERLINK This open access book is the product of ICMI Study 22 Task Design in Mathematics Education. The study offers a state-of-the-art summary of relevant research and goes beyond that to develop new insights and new areas of knowledge and study about task design. The authors represent a wide range of countries and cultures and are leading researchers, teachers and designers. In particular, the authors develop explicit understandings of the opportunities and difficulties involved in designing and implementing tasks and of the interfaces between the teaching, researching and designing roles – recognising that these might be undertaken by the same person or by completely separate teams. Tasks generate the activity through which learners meet mathematical concepts, ideas, strategies and learn to use and develop mathematical thinking and modes of enquiry. Teaching includes the selection, modification, design, sequencing, installation, observation and evaluation of tasks. The book illustrates how task design is core to effective teaching, whether the task is a complex, extended, investigation or a small part of a lesson; whether it is part of a curriculum system, such as a textbook, or promotes free standing activity; whether the task comes from published source or is devised by the teacher or the student.

Geologic Time Scale 2020 contains contributions from 80 leading scientists who present syntheses in an easy-to-understand format that includes numerous color charts, maps and photographs. In addition to detailed overviews of chronostratigraphy, evolution, geochemistry, sequence stratigraphy and planetary geology, the GTS2020 volumes have separate chapters on each geologic period with compilations of the history of divisions, the current GSSPs (global boundary stratotypes), detailed bio-geochem-sequence correlation charts, and derivation of the age models. The authors are on the forefront of chronostratigraphic research and initiatives surrounding the creation of an international geologic time scale. The included charts present the most up-to-date, international standard as ratified by the International Commission on Stratigraphy and the International Union of Geological Sciences. As the framework for deciphering the history of our planet Earth, this book is essential for practicing Earth Scientists and academics. Completely updated time scale Provides the most detailed international geologic time scale available that compiles and synthesizes information in one reference Gives insights on the construction, strengths and limitations of the geological time scale that greatly enhances its function and its utility

Numicon: Box of 80 Numicon Shapes

The Iron Giant

an ICMI study 22

Big Ideas in Primary Mathematics

A practical guide

Identifying and Teaching Children and Young People with Dyslexia and Literacy Difficulties

With bears everywhere, a child has to find his special bear before he can sleep.

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.

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

Get access to an interactive eBook* when you buy the paperback! (Print paperback version only, ISBN 9781446285879) A Unique Blend of Digital and Print Learning Resources! 5 Star student reviews: “ A must have for teachers-to-be, especially those who are a bit shaky on their maths knowledge! ” “ Not many maths books keep me fixated but this is one that is definitely worth the money. ” “ It is a book I will be using even when in the classroom. ” Mathematics Explained for Primary Teachers develops your understanding of mathematical concepts and processes, and how children learn them, so you can confidently teach mathematics to primary children. Tried and tested, the fifth edition of Derek Haylock ’ s much loved textbook matches the 2014 curriculum requirements for England. Every chapter integrates children ’ s learning, classroom practice, and teacher ’ s own requirements for subject knowledge, making this the ideal text to guide you through your studies and beyond. More than just a book! The new edition is supported by FREE access to an interactive eBook and a companion website allowing you to use a wealth of teaching and learning resources. You can use the eBook to study where and when you want, and read, annotate and search the book on a tablet, laptop or PC. You can also visit study.sagepub.com/haylock5e to access: Videos by the author introduce core themes of each

section and explain key mathematical processes. Links to the National Curriculum specify the statutory requirements for primary schools in England that relate to the mathematical content of each chapter. Learning and Teaching points highlight important issues you may face in the classroom and provide practical guidance for teaching. Self-assessment questions help check your understanding and provide immediate feedback to see how well you have done. Select SAGE journal articles to support literature reviews and wider reading. Lesson Plan Activities by Ralph Manning support content-focused chapters and contain creative mathematics tasks across the primary age range. A Student Workbook is also available to accompany this book, including over 700 practice problems to help you understand, apply and teach primary mathematics. Derek Haylock is an education consultant and writer with a background in mathematics teaching, teacher education and classroom-based research in mathematics education. Ralph Manning is an independent consultant in primary education. He has worked as a primary teacher and as a lecturer in primary teacher education for 18 years, following a career in IT. *interactivity only available through VitalSource eBook

An Independent Report from Sir Jim Rose to the Secretary of State for Children, Schools and Families
From the Laboratory to the Classroom

Geologic Time Scale 2020

Direct Instruction

Task Design In Mathematics Education

Mathematical Difficulties

20 Numicon 1-shapes, useful for activities or to replace lost shapes. Not suitable for children under 36 months due to small parts.

Computer science is all around us, at school, at home, and in the community. This book gives readers the essential tools they need to understand the computer science concept of data collection. Brilliant color photographs and accessible text will engage readers and allow them to connect deeply with the concept. The computer science topic is paired with an age-appropriate curricular topic to deepen readers' learning experience and show how data collection works in the real world. In this book, a class takes a vote to decide where they should go for a field trip. This nonfiction title is paired with the fiction title Tara Takes a Vote (ISBN: 9781538350003). The instructional guide on the inside front and back covers provides: Vocabulary, Background knowledge, Text-dependent questions, Whole class activities, and Independent activities.

Beneath our feet unit is an ideal way to link science with literacy in the classroom. It provides opportunities for students to explore how natural processes and human activity shape their surroundings.

This is a book about statistical distributions, their properties, and their application to modelling the dependence of the location, scale, and shape of the distribution of a response variable on explanatory variables. It will be especially useful to applied statisticians and data scientists in a wide range of application areas, and also to those interested in the theoretical properties of distributions. This book follows the earlier book 'Flexible Regression and Smoothing: Using GAMLSS in R', [Stasinopoulos et al., 2017], which focused on the GAMLSS model and software. GAMLSS (the Generalized Additive Model for Location, Scale, and Shape, [Rigby and Stasinopoulos, 2005]), is a regression framework in which the response variable can have any parametric distribution and all the distribution parameters can be modelled as linear or smooth functions of explanatory variables. The current book focuses on distributions and their application. Key features: Describes over 100 distributions, (implemented in the GAMLSS packages in R), including continuous, discrete and mixed distributions. Comprehensive summary tables of the properties of the distributions. Discusses properties of distributions, including skewness, kurtosis, robustness and an important classification of tail heaviness. Includes mixed distributions which are continuous distributions with additional specific values with point probabilities. Includes many real data examples, with R code integrated in the text for ease of understanding and replication. Supplemented by the gamlss website. This book will be useful for applied statisticians and data scientists in selecting a distribution for a univariate response variable and modelling its dependence on explanatory variables, and to those interested in the properties of distributions.

Numicon: Kit 2 Teaching Guide

Psychology and Intervention

Counting Bears

101 Inclusive and SEN English Lessons

Deeper Learning, Dialogic Learning, and Critical Thinking

Multiplication Word Problems

This bestselling title, fully updated to match the latest Cambridge IGCSE and O Level syllabuses. Used and loved by teachers and students around the world, engage students with full colour pages, the latest statistics and examples and case studies from across the globe. Packed full of engaging activities and revision questions, the book is now supported with online access to interactive multiple-choice questions, a full glossary of terms, revision questions and extra practice papers, as well as answers to all the questions in the book. The accompanying Complete Economics for Cambridge IGCSE and O level Teacher Resource Kit provides teaching support that is easily customisable in print and

digital format.

How do I enrich children's learning of primary mathematics to bring the subject to life? This book inspires and supports you, the new and beginning teacher, to use talk-rich and open tasks that bring mathematics to life in your classroom. Tried and loved practical tasks that engage and motivate Supports you to create confident and resilient mathematicians in your classroom Explores ways to engage children in mathematics across the primary curriculum Focuses on understanding key mathematical concepts and the connections between them

A book about mathematical vocabulary

Designed so that each child can have a set of shapes to lay out in front of them and then use to respond to questions in class teaching. Not suitable for children under 36 months due to small parts.

Numicon: Extra Numicon 1-shapes

Helping SENCOs maintain a work/life balance

Earth and space sciences. Year 6

Grandpa's Quilt

101 Inclusive and SEN Maths Lessons

Dyslexia, Dyscalculia and Mathematics

Designed for professionals, parents and caregivers, this book looks at all aspects of living with Down syndrome. It focuses on real people and their lives, featuring the words of adolescents and adults with Down syndrome and of their families. Reviews what is known about Down syndrome. Provides guidelines for practice in health, education and social care. Focuses on real people and their lives. Includes the words of people with Down syndrome and of their families. Case studies are used to illustrate the range of family experiences, both positive and stressful, at different stages. Takes a lifespan approach, rather than focusing on childhood.

This navy cotton fabric bag is useful for many multi-sensory activities.

A specialist text that uses a balance of theory and practice to help teachers deal with the problems and issues they will encounter in teaching mathematics. It includes examples for use in the classroom, and addresses the issue of how to teach most effectively in light of curriculum changes.

Numicon builds a deep understanding of maths through a multi-sensory approach, developing children's fluency, reasoning and problem-solving. The Numicon Number, Pattern and Calculating 1 Explorer Progress Books A, B and C support the activities in the Numicon Number, Pattern and Calculating 1 Teaching Resource Handbook and are a great assessment tool, allowing you to gather evidence of children's achievements. The books contain fun and engaging activities for children to complete. Each activity links to a topic from the Teaching Resource Handbook, offering you opportunities to assess individual children's understanding and monitor progress. Children have the freedom to record their answers in their own way, allowing you to see their thinking. The use of real-life contexts allows you to assess children's ability to apply their mathematics learning when faced with "non-routine" problems. The Numicon Number, Pattern and Calculating 1 Explorer Progress Book ABC mixed pack contains 1 copy of : * Numicon Number Pattern and Calculating 1 Explorer Progress Book A * Numicon Number Pattern and Calculating 1 Explorer Progress Book B * Numicon Number Pattern and Calculating 1 Explorer Progress Book C

A Complete Manual to Identifying and Diagnosing Mathematical Difficulties

On the Scale, a Weighty Tale

Down Syndrome

Numicon: Cuisenaire Rods - Large Set

Mathematics Explained for Primary Teachers

More Trouble with Maths

Deeper learning, dialogic learning, and critical thinking are essential capabilities in the 21st-century environments we now operate. Apart from being important in themselves, they are also crucial in enabling the acquisition of many other 21st-century skills/capabilities such as problem solving, collaborative learning, innovation, information and media literacy, and so on. However, the majority of teachers in schools and instructors in higher education are inadequately prepared for the task of promoting deeper learning, dialogic learning, and critical thinking in their students. This is despite the fact that there are educational researchers who are developing and evaluating strategies for such promotion. The problem is bridging the gap between the educational researchers' work and what gets conveyed to teachers and instructors as evidence-based, usable strategies. This book addresses that gap: in it, leading scholars from around the world describe strategies they have developed for successfully cultivating students' capabilities for deeper learning and transfer of what they learn, dialogic learning and effective communication, and critical thought. They explore connections in the promotion of these capabilities, and they provide, in accessible form, research evidence demonstrating the efficacy of the strategies. They also discuss answers to the questions of how and why the strategies work. A seminal resource, this book creates tangible links between innovative educational research and classroom teaching practices to address the all-important question of how we can realize our ideals for education in the 21st century. It is a must read for pre-service and in-service teachers, teacher educators and professional developers, and educational researchers who truly care that we deliver education that will prepare and serve students for life.

In this wacky look at weight, Brian P. Cleary and Brian Gable introduce essential measurement units—from grams to pounds to tons. The comical cats of the wildly popular Words Are CATEGORICAL® series show how to measure trucks, trains, ducks, cranes, and more. Peppy rhymes, goofy illustrations, and kid-friendly examples make light work of this heavy topic.

From the award-winning creators of Oi Frog! comes an hilarious counting picture book about our four-legged - and two-legged and eight-legged - friends! How many legs would there be if a polar bear came for tea? How high would the leg count go if a squid rode in on a buffalo? As more and more animals join in the fun, count along if you can! Praise for Oi, Frog! also by Kes Gray and Jim Field: 'An absolute treat.' - Daily Mail Kes Gray is a bestselling, multi award-winning author of more than 70 books for children. He eats Ideafakes for breakfast, spreads silliness on his toast and lives in a place called Different. Jim Field is a lead-driven, pencil-pushing, 25-frames-per-second Led Zeppelin fan. He is also a hugely talented illustrator and animation director. His first picture book Cats Ahoy! won the Roald Dahl Funny Prize. Oi Frog!, Oi Dog! and Oi Cat! are a top ten bestselling series. Oi Dog! was shortlisted for the Sainsbury's Children's Book Award and the British Book Awards in 2016, amongst others. It

also won the Teach Primary New Children's Fiction Award, MadeForMums Award, Bishop's Stortford Picture Book Award and Portsmouth Picture Book Award. Oi Cat! was the Independent Booksellers Children's Book of the Season and Oi Goat! is a World Book Day book in 2018.

This book examines the mathematical difficulties in typical and atypical populations. It discusses the behavioural, educational and neuropsychological characteristics of people with mathematical difficulties, and educational interventions to prevent, diagnose, treat or ameliorate such difficulties. The book brings together studies from different disciplines, including developmental psychology, neuroscience and education, and includes perspectives from practicing teachers. The book is divided into three major sections. The first includes chapters about the nature and characteristics of mathematical difficulties in the population as a whole, in relation to both psychology and education. The second deals with mathematical difficulties in children with other problems such as specific language impairment and dyslexia. The third discusses methods of interventions aimed at preventing, treating or ameliorating mathematical difficulties, and will include discussions of assessment and diagnosis.

A guide for teachers

International Handbook of Mathematical Learning Difficulties

Distributions for Modeling Location, Scale, and Shape

Numicon: Feely Bag

Maths 5–11

My Word Book

Box of 80 Numicon Shapes contains: 10x1-shapes, 10x2-shapes, 10x3-shapes, 10x4-shapes, 10x5-shapes, 10x10-shapes, 5x6-shapes, 5x7-shapes, 5x8-shapes, 5x9-shapes. Not suitable for children under 36 months due to small parts.

This Binder is the full set of teaching materials to support Numicon Kit 2.

Pupil Book x 15 Pupil Book Answers x 1 Numicon Pupil Books provide independent practice with in-depth, open questioning to challenge pupils at Key Stage 2, deepen conceptual understanding and develop mastery. Numicon Pupil Books are fully linked to the Numicon Teaching Resource Handbooks and have been tried and tested in the classroom.

Armed with a slingshot of magical stones and a strange map, Guardian in-training Leo is sent on his very first mission-to battle with an Armoured Goretusk.

Leo's Map of Monsters: the Armoured Goretusk

Our Class Trip

Using GAMLSS in R

Teaching Number Sense

Numicon

Numicon: Bag of Numicon Shapes 1-10

Go behind the scenes of Mr Bunny's chocolate factory! An irresistible look at the workings of Mr Bunny's chocolate factory! Packed with cross-over humour to amuse kids and big kids too with artwork full of details for poring over time and time again. Still a new kid on the block, Elys Dolan has already been shortlisted for The Roald Dahl Funny Prize and the Waterstones Children's Book Prize, and nominated for the Kate Greenaway Medal. The perfect picture book for Easter, but also with a great all-year round appeal.

304 centimetre scale coloured Cuisenaire Rods 110cm in length, supplied in a plastic storage box.

The fearsome iron giant becomes a hero when he challenges a huge space monster.

How Many Legs?

Complete Economics for Cambridge IGCSE® and O Level

Earthquake Explorers

Number, Pattern and Calculating 1 Explorer Progress Books ABC

A Story in Five Nights

Linking Literacy and Numeracy: Mathematics