

Outdoor Maths Activities Ks2

A collection of 150 unique games and activities to help support teaching of maths in the primary classroom. Designed with busy teachers in mind, the Classroom Gems series draws together an extensive selection of practical, tried-and-tested, off-the-shelf ideas, games and activities guaranteed to transform any lesson or classroom in an instant. Easily navigable, allowing you to choose the right activity quickly and easily, these invaluable resources are guaranteed to save you time and are a must-have tool to plan, prepare and deliver first-rate lessons.

"... a curriculum geared toward helping students gain skills in consciously regulating their actions, which in turn leads to increased control and problem solving abilities. Using a cognitive behavior approach, the curriculum's learning activities are designed to help students recognize when they are in different states called "zones," with each of four zones represented by a different color. In the activities, students also learn how to use strategies or tools to stay in a zone or move from one to another. Students explore calming techniques, cognitive strategies, and sensory supports so they will have a toolbox of methods to use to move between zones. To deepen students' understanding of how to self-regulate, the lessons set out to teach students these skills: how to read others' facial expressions and recognize a broader range of emotions, perspective about how others see and react to their behavior, insight into events that trigger their less regulated states, and when and how to use tools and problem solving skills. The curriculum's learning activities are presented in 18 lessons. To reinforce the concepts being taught, each lesson includes probing questions to discuss and instructions for one or more learning activities. Many lessons offer extension activities and ways to adapt the activity for individual student needs. The curriculum also includes worksheets, other handouts, and visuals to display and share. These can be photocopied from this book or printed from the accompanying CD."--Publisher's website.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Note: This is the bound book only and does not include access to the Enhanced Pearson eText. To order the Enhanced Pearson eText packaged with a bound book, use ISBN 0133548635. In this unique guide, classroom teachers, coaches, curriculum coordinators, college students, and teacher educators get a practical look at the foundational concepts and skills of early mathematics, and see how to implement them in their early childhood classrooms. Big Ideas of Early Mathematics presents the skills educators need to organize for mathematics teaching and learning during the early years. For teachers of children ages three through six, the book provides foundations for further mathematics learning and helps facilitate long-term mathematical understanding. The Enhanced Pearson eText features embedded video. Improve mastery and retention with the Enhanced Pearson eText* The Enhanced Pearson eText

provides a rich, interactive learning environment designed to improve student mastery of content. The Enhanced Pearson eText is: Engaging. The new interactive, multimedia learning features were developed by the authors and other subject-matter experts to deepen and enrich the learning experience. Convenient. Enjoy instant online access from your computer or download the Pearson eText App to read on or offline on your iPad® and Android® tablet.* Affordable. Experience the advantages of the Enhanced Pearson eText for 40-65% less than a print bound book. * The Enhanced eText features are only available in the Pearson eText format. They are not available in third-party eTexts or downloads. *The Pearson eText App is available on Google Play and in the App Store. It requires Android OS 3.1-4, a 7" or 10" tablet, or iPad iOS 5.0 or later.

In *Messy Maths: A Playful, Outdoor Approach for Early Years*, Juliet Robertson offers a rich resource of ideas that will inspire you to tap into the endless supply of patterns, textures, colours and quantities of the outdoors and deepen children's understanding of maths through hands-on experience. Juliet believes being outside makes maths real. In the classroom environment, maths can seem disconnected from everyday reality but real maths is really messy. Lots of outdoor play and engaging activity along the way is a must, as being outside enables connections to be made between the hands, heart and head, and lays the foundations for more complex work as children grow, develop and learn. Following on from the success of *Dirty Teaching* (ISBN 978-178135107-9), *Messy Maths* reimagines the outdoor space through a mathematical lens providing a treasure trove of suggestions that will empower you to blend outdoor learning into your teaching practice. It is not a 'how to' guide, but rather an easy-to-use reference book replete with ready-to-use games and open-ended ideas designed to help children become confident and skilled in thinking about, using and exploring abstract mathematical concepts as they play outside. Many of these ideas and activities are also beautifully displayed in full-colour photographs throughout the book, making it even easier to jump straight into outstanding outdoor learning opportunities. Topics covered include: general advice; exploring numbers; number functions and fractions; money; measurement; time; pattern; shape and symmetry; position, direction and movement; data handling; routines; and the mathematical garden. Each chapter features a section on topic-specific vocabulary and expressions to help you integrate terminology into each area of study, while suggestions for embedding maths into routines are also provided to assist in the development of creative, progressive and flexible approaches to everyday situations. *Messy Maths* is suitable for early years educators (of ages 3 to 6) who want to shake up their usual classroom practice and make the most of any outdoor space - whether this be a nursery, playgroup, child-minder's back garden or a nature kindergarten as a context for maths. *Messy Maths* has been named the Gold Winner in the Mathematics category of the Nursery World Equipment & Resources Awards 2019. *Messy Maths* has been named the Silver

Winner in the Outdoor Play category and Professional Books (and authors) category of the Nursery World Equipment & Resources Awards 2019. Messy Maths was a 2017 Foreword INDIES Finalist in the Education category. Messy Maths has been named a 'Gold Winner' in the IBPA Benjamin Franklin Awards 2018 in the Education category. Messy Maths is a finalist in the 2018 Education Resources Awards in the Educational Book Award category.

Maths Enrichment

81 Fresh & Fun Critical-thinking Activities

Here We Are

Simple Fractions

40+ Fun Art Projects to Build Amazing Math Skills

A playful, outdoor approach for early years

Juliet Robertson offers tips and tricks to help any teacher develop variety in their teaching. One of the keys to a happy and creative classroom is getting out of it and this book will give you the confidence to do it. It contains a wealth of ideas from cheat sheets to activities that allow teachers and parents to encourage outdoor learning and improve student participation. There is no need for expensive tools or complicated technologies; all you need is your coat and a passion for learning - oh, and you'd better bring the kids too

Late on Christmas Eve a boy boards a mysterious train that waits for him: the Polar Express bound for the North Pole. When he arrives there, Santa offers him any gift he desires. The boy modestly asks for one bell from the reindeer's harness. It turns out to be a very special gift, for only believers in Santa can hear it ring.

One day, Colour Monster wakes up feeling very confused. His emotions are all over the place; he feels angry, happy, calm, sad and scared all at once! To help him, a little girl shows him what each feeling means through colour. A gentle exploration of feelings for young and old alike.

Teaching mathematics to young children in creative ways is made easy with this second edition of a wonderful book, which offers the reader clear advice and lots of exciting ideas to use in any early years setting. By showing how to introduce mathematical concepts through play-based activities, this book is in tune with current thinking about best practice in teaching, and with the requirements of the Early Years Foundation Stage and current Primary National Strategy. New material includes: - an additional chapter on creative recording - a whole new chapter on ways to involve parents - discussion of policy throughout the UK - more on using ICT - case studies covering the whole birth to eight age range Essential reading for any practitioner who wants to develop their mathematics teaching, this book is equally important for all trainee teachers and early years students. Kate Tucker is an early years teacher, trainer and writer based in Exeter; she has over 20 years of experience, and has written widely on early years mathematics and Foundation Stage practice.

Five Little Monkeys

Pigeon Math

Outdoor Learning and Play

Using 'Good' Questions to Enhance Learning in Mathematics

What Teachers of Young Children Need to Know

Preschool Skill

With a simple, witty story and free-spirited illustrations, Peter H. Reynolds entices even the stubbornly uncreative among us to make a mark -- and follow where it takes us. Her teacher smiled. "Just make a mark and see where it takes you." Art class is over, but Vashti is sitting glued to her chair in front of a blank piece of paper. The words of her teacher are a gentle invitation to express herself. But

Vashti can't draw - she's no artist. To prove her point, Vashti jabs at a blank sheet of paper to make an unremarkable and angry mark. "There!" she says. That one little dot marks the beginning of Vashti's journey of surprise and self-discovery. That special moment is the core of Peter H. Reynolds's delicate fable about the creative spirit in all of us.

Teaching outside the classroom improves pupils' engagement with learning as well as their health and wellbeing, but how can teachers link curriculum objectives effectively with enjoyable and motivating outdoor learning in Key Stage 1? The National Curriculum Outdoors: KS1 presents a series of photocopiable lesson plans that address each primary curriculum subject, whilst enriching pupils with the benefits of learning in the natural environment. Outdoor learning experts Sue Waite, Michelle Roberts and Deborah Lambert provide inspiration for primary teachers to use outdoor contexts as part of their everyday teaching and showcase how headteachers can embed curriculum teaching outside throughout the school, whilst protecting teaching time and maintaining high-quality teaching and performance standards. All of the Key Stage 1 curriculum lessons have been tried and tested successfully in schools and can be adapted and developed for school grounds and local natural environments. What's more, each scheme of work in this all-encompassing handbook includes primary curriculum objectives; intended learning outcomes; warm-up and main activities; plenary guidance; natural connections; ICT and PSHE links; and word banks.

#1 New York Times bestseller A TIME Magazine Best Book of the Year A NPR Best Book of 2017 A Boston Globe Best Book of 2017 "Moments of human intimacy jostle with scenes that inspire cosmic awe, and the broad diversity of Jeffers's candy-colored humans...underscores the twin messages that 'You're never alone on Earth' and that we're all in this together."--Publisher's Weekly (starred review) "A true work of art."--BuzzFeed Oliver Jeffers, arguably the most influential creator of picture books today, offers a rare personal look inside his own hopes and wishes for his child--and in doing so gifts children and parents everywhere with a gently sweet and humorous missive about our world and those who call it home. Insightfully sweet, with a gentle humor and poignancy, here is Oliver Jeffers' user's guide to life on Earth. He created it specially for his son, yet with a universality that embraces all children and their parents. Be it a complex view of our planet's terrain (bumpy, sharp, wet), a deep look at our place in space (it's big), or a guide to all of humanity (don't be fooled, we are all people), Oliver's signature wit and humor combine with a value system of kindness and tolerance to create a must-have book for parents. Praise for Here We Are: --"A sweet and tender distillation of what every Earthling needs to know and might well spend a lifetime striving to achieve. A must-purchase for new parent shelves"--School Library Journal --"From the skies to the animal kingdom to the people of the world and lots of other beautifully rendered examples of life on Earth, Here We Are carries a simple message: Be kind." --NPR --"[An] enchanting gem of a children's book"--NBC's Today Show --"A must-have

book for parents."--Gambit -"A celebration of people all shapes and sizes, and of the beauty and mystery of our Earth."--Booklist -"...a beautifully illustrated guide to living on Earth and being a good person."--Brightly -[Here We Are] is a tour through the land, the sea, the sky, our bodies; dioramas of our wild diversity...[Jeffers] is the master of capturing the joy in our differences."--New York Times Book Review

Learn to design interest-provoking writing and critical thinking activities and incorporate them into your courses in a way that encourages inquiry, exploration, discussion, and debate, with Engaging Ideas, a practical nuts-and-bolts guide for teachers from any discipline. Integrating critical thinking with writing-across-the-curriculum approaches, the book shows how teachers from any discipline can incorporate these activities into their courses. This edition features new material dealing with genre and discourse community theory, quantitative/scientific literacy, blended and online learning, and other current issues.

You Choose!

Big Ideas of Early Mathematics

A Finger Puppet Book

Understanding Mathematics for Young Children

The Polar Express

Pedagogical Practices and Children's Cultural Formation

From the illustrator of the #1 smash hit *The Day The Crayons Quit* comes a humorously warm tale of friendship. Now also an animated TV special! What is a boy to do when a lost penguin shows up at his door? Find out where it comes from, of course, and return it. But the journey to the South Pole is long and difficult in the boy's rowboat. There are storms to brave and deep, dark nights. To pass the time, the boy tells the penguin stories. Finally, they arrive. Yet instead of being happy, both are sad. That's when the boy realizes: The penguin hadn't been lost, it had merely been lonely. A poignant, funny, and child-friendly story about friendship lost . . . and then found again.

Help children of all learning styles and strengths improve their critical thinking skills with these creative, cross-curricular activities. Each engaging activity focuses on skills such as recognizing and recalling, evaluating, and analyzing.

You don't need to feel alone in parenting. You don't need to feel like you're failing. And you definitely don't need another parenting book filled with theoretical advice about theoretical children. You need actual parenting help from an actual parent. It's time to feel confident in your parenting. Susie Allison, creator of the massive online

community Busy Toddler, is a breath of fresh air. With her humor and engaging personality, she helps parents find their footing, shift their perspective on childhood, and laugh at the twists and turns of parenting we all face. (Yes, it's ok that your child licked a shopping cart - they pretty much all do that.) In Busy Toddler's Guide to Actual Parenting, Susie gives the achievable advice she's known for around the world, from daily life and #beingtwoisfine to tantrums and tattling and teaching the ABCs. The book also includes 50+ of her famous activities that have helped thousands of parents make it to nap time-FYI, the popsicle bath is a game-changer. Susie shares real moments raising her three kids as well as her professional knowledge from eight years as a kindergarten and 1st grade teacher. Her simple and doable approach to parenting will leave you feeling so much better! Let Susie give you the actual parenting advice you need. The book contains blackline masters of stimulating activities in mathematics.._

Teaching Number Sense

The Fish Who Could Wish

A Guide for Teachers of Children 3-7

Engaging Ideas

Open-Ended Maths Activities

50 Exciting Ways to Develop Mathematical Awareness Outdoors

This Open Access book examines children's participation in dialectical reciprocity with place-based institutional practices by presenting empirical research from Australia, Brazil, China, Poland, Norway and Wales. Underpinned by cultural-historical theory, the analysis reveals how outdoors and nature form unique conditions for children's play, formal and informal learning and cultural formation. The analysis also surfaces how inequalities exist in societies and communities, which often limit and constrain families' and children's access to and participation in outdoor spaces and nature. The findings highlight how institutional practices are shaped by pedagogical content, teachers' training, institutional regulations and societal perceptions of nature, children and suitable, sustainable education for young children. Due to crises, such as climate change and the recent pandemic, specific focus on the outdoors and nature in cultural formation is timely for the cultural-historical theoretical tradition. In doing so, the book provides empirical and theoretical support for policy makers, researchers, educators and families to enhance, increase and sustain outdoor and nature education.

Open-ended Maths Activities Second Edition is the revised and expanded edition of the best-selling title by Peter Sullivan and Pat Lilburn. It discusses a type of open-ended, problem-solving question called a 'good' question. These questions enhance learning, teaching and assessment and are a useful addition to a teacher's strategies. It includes: practical advice on how to create your own 'good' questions to use within the classroom organised by subject area and levels (upper, middle and junior) the sixteen topics covered are included within Number, Measurement, Space and Chance and Data.

Encourage young children to learn maths through outdoor play. This book provides ideas for enjoyable and challenging mathematical activities and games outdoors. Addresses practical issues such as planning, weather-proofing and linking outdoor and indoor maths.

Telling a story about pigeons should be simple. But what's a narrator to do when the number of feathered friends is constantly changing? Can our intrepid storyteller use math facts to keep up with the unstable quantities. . . or is this pigeon-centric tale doomed?

The National Curriculum Outdoors: Year 5

Notes for Living on Planet Earth

Dirty Teaching

The National Curriculum Outdoors: Year 4

Maths Outdoors

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.

Teaching outside the classroom improves pupils' engagement with learning as well as their health and wellbeing, but how can teachers link curriculum objectives effectively with enjoyable and motivating outdoor learning in Year 5? The National Curriculum Outdoors: Year 5 presents a series of photocopiable lesson plans that address each primary curriculum subject, whilst enriching pupils with the benefits of learning in the natural environment. Outdoor learning experts Sue Waite, Michelle Roberts and Deborah Lambert provide inspiration for primary teachers to use outdoor contexts as part of their everyday teaching and showcase how headteachers can embed curriculum teaching outside throughout the school, whilst protecting teaching time and maintaining high-quality teaching and performance standards. All of the Year 5 curriculum lessons have been tried and tested successfully in schools and can be adapted and developed for school grounds and local natural environments. What's more, each scheme of work in this all-encompassing handbook includes primary curriculum objectives; intended learning outcomes; warm-up and main activities; plenary guidance; natural connections; ICT and PSHE links; and word banks.

Imagine you could go anywhere, with anyone and do anything! Where would you live? Where would you sleep? Who would be your friends? Go on - you choose! With the help of Nick Sharratt's illustrations, this book looks at a whole range of scenarios where choosing is made fun.

Understanding Mathematics for Young Children A Guide for Teachers of Children 3-7 SAGE

The Dot

Hide-a-Saurus

Dyscalculia Lesson Plans

From Their First No to Their First Day of School (and Everything in Between)

A Curriculum Designed to Foster Self-regulation and Emotional Control

Mathematics Through Play in the Early Years

Deep in the ocean lives a fish whose wishes come true! He wishes for all sorts of crazy things - a castle, a car, and even fine clothes to wear. But he is a rather foolish fish and one day he wishes to be just like all the other fish . . . perhaps this will be the one wish he wishes he never

wished! The rhythmical text is great to read aloud and Korky Paul's illustrations take you to a crazy underwater world. With its neat punch line, this is a book that children will just love to hear (and join in with) over and over again.

Teaching outside the classroom improves pupils' engagement with learning as well as their health and wellbeing, but how can teachers link curriculum objectives effectively with enjoyable and motivating outdoor learning in Year 4? The National Curriculum Outdoors: Year 4 presents a series of photocopiable lesson plans that address each primary curriculum subject, whilst enriching pupils with the benefits of learning in the natural environment. Outdoor learning experts Sue Waite, Michelle Roberts and Deborah Lambert provide inspiration for primary teachers to use outdoor contexts as part of their everyday teaching and showcase how headteachers can embed curriculum teaching outside throughout the school, whilst protecting teaching time and maintaining high-quality teaching and performance standards. All of the Year 4 curriculum lessons have been tried and tested successfully in schools and can be adapted and developed for school grounds and local natural environments. What's more, each scheme of work in this all-encompassing handbook includes primary curriculum objectives; intended learning outcomes; warm-up and main activities; plenary guidance; natural connections; ICT and PSHE links; and word banks.

A platypus, terrapin and gecko are all at knock down prices. The koalas are 9p a pair. A box of assorted brown things is only 20p. The rat with half his whiskers missing thinks he's the best bargain but what is behind that door ...? .

Masha's mother sells eggs at market, and Masha loves to paint their smooth shells. One day, deep in the forest, Masha meets the magical Firebird, guardian of the eggs of the four elements: earth, water, air, and fire. The Firebird asks Masha to paint its eggs so that they blend with the elements, hiding them from the vicious witch, Baba Yaga. At first, the plan works well, but Baba Yaga finally gets her hands on the last egg, and Masha sets off on an amazing journey to find it. This original folktale blends elements of the Firebird legend and traditional European folktales in a bilingual English and Russian text, along with suggestions to inspire children to paint their own eggs.

We're Going on a Bear Hunt

Number

Masha and the Firebird

Rosie's Walk

The Professor's Guide to Integrating Writing, Critical Thinking, and Active Learning in the Classroom

Games, Ideas and Activities for Primary Outdoor Learning

Max sails to the land of the wild things, where he becomes their king.

The Fox is after Rosie, but Rosie doesn't know it. Unwittingly, she leads him into one disaster after the other, each funnier than the last. To enjoy Rosie's walk as much as Rosie does, just look inside!

In Math Art and Drawing Games for Kids, you'll find an amazing collection of more than 40 hands-on art activities that make learning about math fun! Create fine art-inspired projects using math, including M. C. Escher's tessellations, Wassily Kandinski's abstractions, and Alexander Calder's mobiles. Make pixel art using graph paper, grids, and dot grids. Explore projects that teach symmetry with mandala drawings, stained glass rose window art, and more. Use equations, counting, addition, and multiplication to create Fibonacci and golden rectangle art. Play with geometric shapes like spirals, hexagrams, and tetrahedrons. Learn about patterns and motifs used by cultures from all over the world, including Native American porcupine quill art, African Kente prints, and labyrinths

from ancient Crete. Cook up some delicious math by making cookie tangrams, waffle fractions, and bread art. Take a creative path to mastering math with Math Art and Drawing Games for Kids!

Essential guide for teaching children aged 3-7, developing knowledge of key mathematical ideas and concepts in the nursery and primary classroom.

Curriculum for Excellence Through Outdoor Learning

The Zones of Regulation

Engaging Activities and Reproducibles to Develop Kids' Higher-level Thinking Skills

The National Curriculum Outdoors: KS1

Busy Toddler's Guide to Actual Parenting

Messy Maths

Ten dinosaur friends are playing hide-and-seek. Can you help to find them all? Download the full eBook and explore supporting teaching materials at www.twinkl.com/originals Join Twinkl Book Club to receive printed story books every half-term at www.twinkl.co.uk/book-club (UK only).

with audio recording

Math Art and Drawing Games for Kids

Lost and Found

Stick Man

The Great Pet Sale

Where the Wild Things are