

Math Playground Near Me



Math Playground Near Me: Unleashing the Fun in Learning

Are your kids tired of the same old routine? Do you yearn for a place where learning math isn't a chore, but an exciting adventure? Then ditch the textbooks and head to a math playground near you! This guide will help you locate fun, engaging, and educational math-focused play spaces in your local area, transforming the way your children (and maybe even you!) approach mathematics. We'll explore what makes a math playground special, how to find one, and what to expect from a visit. Get ready to discover the magic of playful learning!

What is a Math Playground?

A math playground isn't your typical jungle gym. While it might include some climbing structures and slides, the core focus is on incorporating mathematical concepts into play. These spaces are designed to make learning fun and interactive, using hands-on activities and engaging challenges to build a stronger understanding of mathematical principles. Think of it as an outdoor classroom where kids learn through exploration and discovery. You might find elements like:

Geometric shapes: Structures built with different shapes, encouraging spatial reasoning.

Measurement activities: Opportunities to measure distances, volumes, and weights using real-world objects.

Number puzzles and games: Interactive challenges that reinforce number sense and problem-solving skills.

Pattern recognition games: Activities designed to develop logical thinking and pattern identification skills.

Finding a Math Playground Near You: Your Step-by-Step Guide

Finding the perfect math playground might seem daunting, but with the right approach, it's easier than you think. Here's a step-by-step guide to help you in your search:

1. Utilize Online Search Engines:

Start with a simple online search. Type "math playground near me," "interactive math exhibits near me," or "children's museums with math exhibits" into Google, Bing, or your preferred search engine. Refine your search by adding your city or zip code for more localized results.

2. Explore Local Parks and Recreation Websites:

Many parks and recreation departments offer information about playgrounds and recreational facilities on their websites. Check your city or county's website for a list of parks and their amenities. You might be surprised at what hidden gems you discover!

3. Check Social Media and Online Forums:

Utilize social media platforms like Facebook, Instagram, and Nextdoor to ask for recommendations from other parents in your area. Online forums and local parenting groups are also excellent resources for finding hidden math playgrounds or similar educational play spaces.

4. Contact Local Schools and Libraries:

Schools and libraries often have connections to community resources and may be aware of local math playgrounds or educational programs that incorporate outdoor play. Reach out to your child's school or your local library to inquire about possibilities.

5. Look for Children's Museums and Science Centers:

Many children's museums and science centers include interactive math exhibits as part of their broader educational offerings. These often provide a more structured and focused mathematical learning experience.

What to Expect on Your Visit to a Math Playground

When you arrive at your chosen math playground, be prepared for a fun and engaging experience. Expect to see:

Hands-on activities: Kids will be actively involved in solving puzzles, manipulating objects, and experimenting with mathematical concepts.

Collaboration and teamwork: Many activities encourage kids to work together to solve problems and

achieve common goals.

Problem-solving challenges: Expect to see challenges designed to promote critical thinking and creative problem-solving skills.

Open-ended play: The design often allows for multiple approaches and solutions, encouraging flexibility and creativity.

Beyond the Playground: Extending the Math Fun

The fun doesn't have to end when you leave the math playground. Reinforce the learning experience at home by engaging in related activities. Play board games that incorporate math skills, work on puzzles together, and use everyday scenarios to practice mathematical concepts like measuring ingredients while cooking or counting objects during playtime.

Conclusion

Finding a "math playground near me" opens up a world of exciting possibilities for engaging children with mathematics. By employing these strategies and focusing on playful learning, you can help foster a love for math that extends far beyond the playground itself. Remember to check local listings, leverage online resources, and embrace the collaborative and problem-solving aspects of these unique play spaces. Get ready for some serious fun while learning!

Frequently Asked Questions (FAQs)

1. Are math playgrounds suitable for all age groups? Many math playgrounds cater to a range of ages, but some may be more appropriate for specific age groups. Check the website or contact the facility to confirm age appropriateness.
2. Do I need to make a reservation to visit a math playground? Usually, no reservation is required for outdoor math playgrounds. However, for indoor exhibits within museums or science centers, reservations may be necessary.
3. What if my child struggles with math? Math playgrounds are designed to make learning fun and accessible. The hands-on approach can help even struggling learners build confidence and understanding.
4. Are math playgrounds free to use? Some are free, while others may have admission fees, especially if they are part of a larger facility like a children's museum.
5. What should I bring to a math playground? Comfortable clothing and shoes are essential.

Depending on the activities, you may want to bring sunscreen, water bottles, and perhaps a small snack.

math playground near me: Let's Play Math Denise Gaskins, 2012-09-04

math playground near me: Math Games with Bad Drawings Ben Orlin, 2022-04-05

Bestselling author and worst-drawing artist Ben Orlin expands his oeuvre with this interactive collection of mathematical games. With 70-plus games, each taking a minute to learn and a lifetime to master, this treasure trove will delight, educate, and entertain. From beloved math popularizer Ben Orlin comes a masterfully compiled collection of dozens of playable mathematical games. This ultimate game chest draws on mathematical curios, childhood classics, and soon-to-be classics, each hand-chosen to be (1) fun, (2) thought-provoking, and (3) easy to play. With just paper, pens, and the occasional handful of coins, you and a partner can enjoy hours of fun—and hours of challenge. Orlin's sly humor, expansive knowledge, and so-bad-they're-good drawings show us how simple rules summon our best thinking. Games include: Ultimate Tic-Tac-Toe Sprouts Battleship Quantum Go Fish Dots and Boxes Black Hole Order and Chaos Sequencium Paper Boxing Prophecies Arpeggios Banker Francoprussian Labyrinth Cats and Dogs And many more.

math playground near me: The Mathematical Playground Alissa S. Crans, Glen T. Whitney, 2024-07-25 Welcome to The Mathematical Playground, a book celebrating more than thirty years of the problems column in the MAA undergraduate magazine, Math Horizons. Anecdotes, interviews, and historical sketches accompany the puzzles, conveying the vibrancy of the "Playground" community. The lively prose and humor used throughout the book reveal the enthusiasm and playfulness that have become the column's hallmark. Each chapter features a theme that helps illustrate community: from the Opening Acts—chronicling how interesting questions snowball into original research—to the Posers and Solvers themselves. These stories add an engaging dimension beyond the ample mathematical challenge. A particular highlight is a chapter introducing the seven editors who have produced "The Playground", revealing the perspectives of the individuals behind the column. The Mathematical Playground has plenty to offer both novice and experienced solvers. The lighthearted, conversational style, together with copious hints, a problem-solving primer, and a detailed glossary, welcomes newcomers, regardless of their background, to the puzzle-solving world. The more seasoned solver will find over twenty new problems plus open-ended challenges and suggestions for further investigation. Whether you're a long-time Math Horizons reader, or encountering "The Playground" for the first time, you are invited into this celebration of the rich culture of recreational mathematics. Just remember the most important rule ... Have fun!

math playground near me: Math with Bad Drawings Ben Orlin, 2018-09-18 A hilarious reeducation in mathematics—full of joy, jokes, and stick figures—that sheds light on the countless practical and wonderful ways that math structures and shapes our world. In Math With Bad Drawings, Ben Orlin reveals to us what math actually is; its myriad uses, its strange symbols, and the wild leaps of logic and faith that define the usually impenetrable work of the mathematician. Truth and knowledge come in multiple forms: colorful drawings, encouraging jokes, and the stories and insights of an empathetic teacher who believes that math should belong to everyone. Orlin shows us how to think like a mathematician by teaching us a brand-new game of tic-tac-toe, how to understand an economic crisis by rolling a pair of dice, and the mathematical headache that ensues when attempting to build a spherical Death Star. Every discussion in the book is illustrated with Orlin's trademark bad drawings, which convey his message and insights with perfect pitch and clarity. With 24 chapters covering topics from the electoral college to human genetics to the reasons not to trust statistics, Math with Bad Drawings is a life-changing book for the math-estranged and math-enamored alike.

math playground near me: Division Word Problems, 2006

math playground near me: Math Fact Fluency Jennifer Bay-Williams, Gina Kling, 2019-01-14

This approach to teaching basic math facts, grounded in years of research, will transform students'

learning of basic facts and help them become more confident, adept, and successful at math. Mastering the basic facts for addition, subtraction, multiplication, and division is an essential goal for all students. Most educators also agree that success at higher levels of math hinges on this fundamental skill. But what's the best way to get there? Are flash cards, drills, and timed tests the answer? If so, then why do students go into the upper elementary grades (and beyond) still counting on their fingers or experiencing math anxiety? What does research say about teaching basic math facts so they will stick? In *Math Fact Fluency*, experts Jennifer Bay-Williams and Gina Kling provide the answers to these questions—and so much more. This book offers everything a teacher needs to teach, assess, and communicate with parents about basic math fact instruction, including The five fundamentals of fact fluency, which provide a research-based framework for effective instruction in the basic facts. Strategies students can use to find facts that are not yet committed to memory. More than 40 easy-to-make, easy-to-use games that provide engaging fact practice. More than 20 assessment tools that provide useful data on fact fluency and mastery. Suggestions and strategies for collaborating with families to help their children master the basic math facts. *Math Fact Fluency* is an indispensable guide for any educator who needs to teach basic math facts.

math playground near me: Math Recess Sunil Singh, Brownell S. Christopher, 2019-03-26 In the theme of recess, this book holds a deep and imaginative collection of fun mathematical ideas, puzzles, and problems. Written for anyone interested in or actively engaged in schools-parents, teachers, administrators, school board members-this book shows math as a playful, fun, and wonderfully human activity that everyone can enjoy.

math playground near me: Math Games for Middle School Mario Salvadori, Joseph P. Wright, 1998-07 Uses explanations, word problems, and games to cover some mathematical topics that middle school students need to know, including the invention of numerical notations, basic arithmetical operations, measurements, geometry, graphs, and probability.

math playground near me: Math Games: Getting to the Core of Conceptual Understanding Ted H. Hull, Ruth Harbin Miles, 2013-04-01 Focus on the teaching and learning of mathematics through the use of games. Based on current research and correlated to College and Career Readiness and other state standards, this resource provides both teachers and students with rich opportunities to engage in the Standards for Mathematical Practice. Each concept-building game supports students' learning and understanding concepts. Games are provided in the following categories: Counting and Cardinality; Operations and Algebraic Thinking; Expressions and Equations; Functions; Numbers and Operations in Base Ten; Numbers and Operations--Fractions; The Number System; Ratio and Proportional Relationships; Measurement and Data; Geometry; and Statistics and Probability.

math playground near me: Math Games: Skill-Based Practice for Third Grade Ted H. Hull, Ruth Harbin Miles, 2014-01-01 Bring learning mathematical skills into a whole new light for students in 3rd grade! This book provides fun and unique skill-based games that encourage whole-group, whole-class, small-group, and partner interaction and collaboration. These activities will reinforce students' knowledge of mathematical skills while keeping learners motivated and engaged. Promote a fun learning environment for students to achieve mathematical success!

math playground near me: Math Games: Skill-Based Practice for Second Grade Ted H. Hull, Ruth Harbin Miles, 2014-01-01 Bring learning mathematical skills into a whole new light for students in 2nd grade! This book provides fun and unique skill-based games that encourage whole-group, whole-class, small-group, and partner interaction and collaboration. These activities will reinforce students' knowledge of mathematical skills while keeping learners motivated and engaged. Promote a fun learning environment for students to achieve mathematical success!

math playground near me: More Math Games and Activities from Around the World Claudia Zaslavsky, 2003-10 Presents games and other activities from different countries and cultures that teach a variety of basic mathematical concepts.

math playground near me: My Best Mathematical and Logic Puzzles Martin Gardner, 2013-04-10 The noted expert selects 70 of his favorite short puzzles, including such mind-bogglers

as The Returning Explorer, The Mutilated Chessboard, Scrambled Box Tops, and dozens more involving logic and basic math. Solutions included.

math playground near me: Moebius Noodles Yelena McManaman, Maria Droujkova, 2013-04-25 How do you want your child to feel about math? Confident, curious and deeply connected? Then Moebius Noodles is for you. It offers advanced math activities to fit your child's personality, interests, and needs. Can you enjoy playful math with your child? Yes! The book shows you how to go beyond your own math limits and anxieties to do so. It opens the door to a supportive online community that will answer your questions and give you ideas along the way. Learn how you can create an immersive rich math environment for your baby. Find out ways to help your toddler discover deep math in everyday experiences. Play games that will develop your child's sense of happy familiarity with mathematics. A five-year-old once asked us, Who makes math? and jumped for joy at the answer, You! Moebius Noodles helps you take small, immediate steps toward the sense of mathematical power. You and your child can make math your own. Together, make your own math!--Publisher's website.

math playground near me: Math Workstations in Action Nicki Newton, 2017-09-27 Learn how to incorporate math workstations into your elementary math classes. Math workstations allow students to engage in meaningful, independent math practice through student-driven games and activities, and can be implemented as part of a math workshop or in a traditional math class. In this book, bestselling author and consultant Nicki Newton shows you how to set up and manage math workstations for topics such as fluency, word problems, math vocabulary, and more. You'll also learn how to differentiate the activities for all ability levels and promote rigorous instruction, enabling your students to get the most out of this fun and engaging instructional method. Topics include: Teaching fractions, decimals, measurement, geometry, and more with a variety of tools and hands-on activities; Developing word problems and games to help students gain understanding of difficult mathematical concepts; Using precise mathematical language to encourage clear communication and logical thinking; Evaluating student competency and development with pre-assessments, anecdotes, checklists, and self-reflections; Implementing new technologies to think through, explain, and present mathematical concepts. Each chapter includes a variety of charts, tools, and practice problems that you can use in the classroom immediately, and the strategies can be easily adapted for students at all levels of math fluency across grades 3-5.

math playground near me: Math You Can Play Combo Denise Gaskins, 2015-08-19 Math Your Kids WANT to Do. You'll love these math games because they give your child a strong foundation for mathematical success. By playing these games, you strengthen your child's intuitive understanding of numbers and build problem-solving strategies. Mastering a math game can be hard work. But kids do it willingly because it's fun. Math You Can Play Combo features two books in one, with 42 kid-tested games that offer a variety of challenges for preschool and school-age learners. Chapters include: • Early Counting: Practice subitizing — recognizing small numbers of items at a glance—and learn the number symbols. • Childhood Classics: Traditional folk games invite the whole family to enjoy playing with math. • Number Bonds: Build a mental picture of the relationships between numbers as you begin to explore addition. • Numbers to One Hundred: Develop mental math skills for working with larger numbers. Practice using place value, addition, and subtraction. • Mixed Operations: Give mental muscles a workout with games that require number skills and logical thinking. • Logic and Probability: Logic games sharpen inductive and deductive thinking skills, while games of chance build an intuition for probability. Math games prevent math anxiety. Games pump up your child's mental muscle, reduce the fear of failure, and generate a positive attitude toward mathematics. Parents can use these games to enjoy quality time with your children. Classroom teachers like them as warm-ups and learning center activities or for a relaxing review day at the end of a term. If you are a tutor or homeschooler, make games a regular feature in your lesson plans to build your students' math skills. So what are you waiting for? Clear off a table, grab a deck of cards, and let's play some math!

math playground near me: Let's Play Math Sampler Denise Gaskins, 2019-03-05 Do you

want your children to enjoy learning math? Teach them how to play! In excerpts from author Denise Gaskins's most popular books, the Let's Play Math Sampler features ten kid-tested games covering math concepts from counting to prealgebra. Math games meet children each at their own level. The child who sits at the head of the class can solidify skills. The child who lags behind grade level can build fluency and gain confidence. And both will learn something even more important — that hard mental effort can be fun. So pick up a copy of the Let's Play Math Sampler today and make math a playful family adventure.

math playground near me: Busy Little Hands: Math Play! Linda Dauksas, Jeanne White, 2021-11-09 In this third book in the Busy Little Hands series, (Busy Little Hands: Art Play! and Busy Little Hands: Food Play!) preschoolers are introduced to the idea that math is everywhere, and numbers are fun! Each page features lots of bright pictures for pre-readers and each activity is designed for little mathematicians to play with numbers as they count, compare, measure, and make patterns using toys, snacks, and other items that are part of everyday life. From Counting Cars and Shape Stamping to Number Hide & Seek and Pattern Hunt, this book is packed with learning fun that will set preschoolers on the path to math success. Durable cards and stickers add hands-on learning elements.

math playground near me: Mathematics for Human Flourishing Francis Su, 2020-01-07 Winner of the Mathematics Association of America's 2021 Euler Book Prize, this is an inclusive vision of mathematics—its beauty, its humanity, and its power to build virtues that help us all flourish “This is perhaps the most important mathematics book of our time. Francis Su shows mathematics is an experience of the mind and, most important, of the heart.”—James Tanton, Global Math Project A good book is an entertaining read. A great book holds up a mirror that allows us to more clearly see ourselves and the world we live in. Francis Su’s *Mathematics for Human Flourishing* is both a good book and a great book.—MAA Reviews For mathematician Francis Su, a society without mathematical affection is like a city without concerts, parks, or museums. To miss out on mathematics is to live without experiencing some of humanity’s most beautiful ideas. In this profound book, written for a wide audience but especially for those disenchanted by their past experiences, an award-winning mathematician and educator weaves parables, puzzles, and personal reflections to show how mathematics meets basic human desires—such as for play, beauty, freedom, justice, and love—and cultivates virtues essential for human flourishing. These desires and virtues, and the stories told here, reveal how mathematics is intimately tied to being human. Some lessons emerge from those who have struggled, including philosopher Simone Weil, whose own mathematical contributions were overshadowed by her brother’s, and Christopher Jackson, who discovered mathematics as an inmate in a federal prison. Christopher’s letters to the author appear throughout the book and show how this intellectual pursuit can—and must—be open to all.

math playground near me: 3D Math Primer for Graphics and Game Development, 2nd Edition Fletcher Dunn, Ian Parberry, 2011-11-02 This engaging book presents the essential mathematics needed to describe, simulate, and render a 3D world. Reflecting both academic and in-the-trenches practical experience, the authors teach you how to describe objects and their positions, orientations, and trajectories in 3D using mathematics. The text provides an introduction to mathematics for game designers, including the fundamentals of coordinate spaces, vectors, and matrices. It also covers orientation in three dimensions, calculus and dynamics, graphics, and parametric curves.

math playground near me: Bedtime Math: A Fun Excuse to Stay Up Late Laura Overdeck, 2013-06-25 Bedtime Math wants to change the way we introduce math to children: to make math a fun part of kids' everyday lives. We all know it's wonderful to read bedtime stories to kids, but what about doing math? Many generations of Americans are uncomfortable with math and numbers, and too often we hear the phrase, I'm just not good at math! For decades, this attitude has trickled down from parents to their kids, and we now have a culture that finds math dry, intimidating, and just not cool. Bedtime Math wants to change all that. Inside this book, families will find fun, mischief-making math problems to tackle—math that isn't just kid-friendly, but actually kid-appealing. With over 100

math riddles on topics from jalapeños and submarines to roller coasters and flamingos, this book bursts with math that looks nothing like school. And with three different levels of challenge (wee ones, little kids, and big kids), there's something for everyone. We can make numbers fun, and change the world, one Bedtime Math puzzle at a time.

math playground near me: *Mathematics for Human Flourishing* Francis Su, 2020-01-07 The ancient Greeks argued that the best life was filled with beauty, truth, justice, play and love. The mathematician Francis Su knows just where to find them.--Kevin Hartnett, Quanta Magazine This is perhaps the most important mathematics book of our time. Francis Su shows mathematics is an experience of the mind and, most important, of the heart.--James Tanton, Global Math Project For mathematician Francis Su, a society without mathematical affection is like a city without concerts, parks, or museums. To miss out on mathematics is to live without experiencing some of humanity's most beautiful ideas. In this profound book, written for a wide audience but especially for those disenchanted by their past experiences, an award-winning mathematician and educator weaves parables, puzzles, and personal reflections to show how mathematics meets basic human desires--such as for play, beauty, freedom, justice, and love--and cultivates virtues essential for human flourishing. These desires and virtues, and the stories told here, reveal how mathematics is intimately tied to being human. Some lessons emerge from those who have struggled, including philosopher Simone Weil, whose own mathematical contributions were overshadowed by her brother's, and Christopher Jackson, who discovered mathematics as an inmate in a federal prison. Christopher's letters to the author appear throughout the book and show how this intellectual pursuit can--and must--be open to all.

math playground near me: *Math Games & Activities from Around the World* Claudia Zaslavsky, 1998-05-01 More than 70 math games, puzzles, and projects from all over the world are included in this delightful book for kids.

math playground near me: *Rhoda: 'Comrade Kadalie, You Are Out of Order!'* Joel B Pollak, 2023-01-04 This authorized biography was made possible through the gracious help of my mother-in-law, Rhoda Kadalie, who provided generous access to her files, letters, photographs, and extensive library of documents. She made time to sit with me for several hours of interviews from September through October 2021, to answer questions as they arose, and to offer innumerable clarifications. Rhoda also reviewed the first draft of the biography in December 2021, making corrections and additions, and contributing some of her own original vignettes, never before published.

math playground near me: *Play and Curriculum* Myae Han, James E. Johnson, 2019-11-01 Educators have long been pursuing and applying ways that play can be a context and even a medium for teaching and learning. Volume 15 of *Play & Culture Studies* focuses on the special topic on Play and Curriculum, a long waited topic to many educators and researchers in the field of play and education. This volume includes chapters reporting recent studies and practical ideas examining the relations between the play and curriculum from early education to higher education. The volume has 3 sections with the 9 chapters grouped to represent various voices on play and curriculum: in Culture, in STEM, in Higher Education. The uniqueness of this book is represented by its breadths and depths of diversity from investigating play and curriculum in an indigenous group in Columbia to play in a New York City Public school and from play and curriculum in a Family Child Care context to the uses of play with college students.

math playground near me: *Math Power* Patricia Clark Kenschaft, 2014-02-19 Critically acclaimed and commercially successful, this resource helps parents overcome their residual math anxiety and assists them in showing children how to enjoy the subject and excel at it. Packed with useful information and instruction, the book features proven teaching techniques, games, and other activities. Suitable for home schoolers and other parents of children from preschool to age 10. 2006 edition--

math playground near me: *Busy Little Hands: Math Play!* Linda Dauksas, Jeanne White, 2021-11-09 Preschoolers are introduced to the idea that math is everywhere and numbers are fun!

Each page features lots of bright pictures for pre-readers and each activity is designed for little mathematicians to play with numbers as they count, compare, and measure--

math playground near me: Math 3rd Grade Michele D. Van Leeuwen, R. B. Snow, Rainbow Bridge Publishing Staff, Isabelle McCoy, Leland Graham, 2004-12-17 Promote skills such as place value and numeration; addition, subtraction, multiplication, and division; word problems; life skills; graphing; geometry; exponents; introductory algebra; fractions; decimals; and percents. It also includes a critical-thinkin

math playground near me: Introverted Mom Jamie C. Martin, 2019-05-07 Your personality is a gift, not a liability. This book helps you uncover and embrace the hope, laughter, and joy of using your unique gifts to parent your children. Life as a mom is LOUD, but you long for quiet. When the volume of family life clashes with your personality, frustration, guilt, and overwhelm naturally result. In *Introverted Mom*, author Jamie C. Martin lifts these burdens from your shoulders, reminding you that your steady strength is exactly what your family needs in this chaotic world. Jamie shares vulnerable stories from her own life as well as thoughts from other introverted mothers, letting you know you're not alone. Her practical suggestions and creative inspiration are enhanced with quotes and insights from four beloved writers--Louisa May Alcott, Jane Austen, L. M. Montgomery, and Laura Ingalls Wilder. Together, Jamie and this band of fellow introverts share their wisdom on . . . Believing that you're enough Self-acceptance that leads to freedom Navigating heartache and disappointment Stretching out of your comfort zone Connecting with God as an introvert Cultivating calm wherever you are Defining for yourself what really matters Whether you've just realized you're an introvert, or if you've known it all along, this book is for you. It's time to honor who you are and savor life as an introverted mom. *Note: Written from a Christian perspective

math playground near me: Tangrams Ronald C. Read, 2014-12-08 This collection gathers together nearly 330 tangrams, the best creations of both Chinese and Occidental puzzle devisers. Puzzles range from the relatively easy to the difficult.

math playground near me: 50 Math and Science Games for Leadership Seah Wee Khee, 2007 Did you like Math or Science in school? Have you played games that stimulated your thought processes for Math and Science? Trying to be creative in your Math, Science or leadership class? Can leadership be taught? Is leadership an Art or a Science or Math? Seeking to impact your training program with creative games?A primer for leadership development, this book introduces Math and Science games with a review process component that can be used for leadership instruction. The book highlights key leadership principles which show that leaders must: Ask questions; Be disciplined; Create and see things differently; Develop resources; Engage in active listening; Make priorities; Multiply leaders; Problem solve; Set an example; Sacrifice; Search and explore; Strategize; Support diversity; Work in teams and collaborate.

math playground near me: Learning and Teaching Early Math Douglas H. Clements, Julie Sarama, 2014-05-23 In this important book for pre- and in-service teachers, early math experts Douglas Clements and Julie Sarama show how learning trajectories help diagnose a child's level of mathematical understanding and provide guidance for teaching. By focusing on the inherent delight and curiosity behind young children's mathematical reasoning, learning trajectories ultimately make teaching more joyous. They help teachers understand the varying levels of knowledge exhibited by individual students, which in turn allows them to better meet the learning needs of all children. Using straightforward, no-nonsense language, this book summarizes the current research about how children learn mathematics, and how to build on what children already know to realize more effective teaching. This second edition of *Learning and Teaching Early Math* remains the definitive, research-based resource to help teachers understand the learning trajectories of early mathematics and become quintessential professionals. Updates to the new edition include: • Explicit connections between Learning Trajectories and the new Common Core State Standards. • New coverage of patterns and patterning. • Incorporation of hundreds of recent research studies.

math playground near me: Activating the Primary Social Studies Classroom Leslie Marlow, Duane Inman, 2005-04-21 In this educational era of increasing emphasis on student

performance, there is a definite shortage of high-interest resources through which teachers can effectively address the ten standards identified by the National Council for the Social Studies (NCSS). Teachers need ideas for simple, low-cost activities, which they can do with their students to allow social studies learning to occur in an interesting, engaging manner. Now there is a resource designed with hands-on learning opportunities that are aligned with the NCSS standards. Included in this sourcebook are:

- Assessment rubrics
- Student and professional technology resources
- Descriptions of various instructional models
- An appendix containing background information to facilitate the users' understanding of certain activities
- A glossary of specialty terms and concepts used

Each activity, which addresses multiple standards, can be used for enrichment or to accommodate students with various needs. The activities feature:

- Recommendations for interesting children's literature
- Links to web sites related to each activity
- Suggestions for adaptations or extensions to effectively meet the needs of specific students

Will be of interest to pre-service and in-service elementary teachers who want to enliven their classrooms with student involvement and interest in social studies topics.

math playground near me: Business Model David C. Williams, 2022-08-16 “For all of David’s technology genius and innovation, he keeps it real...He leads with love, kindness, and a willingness to take others up with him.” —Nancy Lieberman, Broadcaster for ABC, NBC, ESPN, Basketball Hall of Famer, and Former and Olympic Silver Medalist What does it mean to create a “model”? First, we naturally tune our attention toward role models during early childhood and take data to form an accurate model of our world. And from there, we model and remodel ourselves to become more like the ideal person we conceptualize in our imagination. Business Model gives readers a front-row view of Williams’ own life experiences that gave rise to his unique business model. With a journey spanning from his early beginnings as a youth in South Dallas to his recent Legacy Award as the 2021 Black Engineer of the Year STEM Global Competitiveness Conference, profound wisdom is derived from every page. Multi-talented author and AT&T Assistant Vice President of Automation, David C. Williams is fun, compassionate, and drives \$100Ms in business. He is also an inaugural Dream in Black winner, Champion of Diversity winner, and has been featured as the cover story in several magazines, including interviews with Ebony, Fox, NBC, and more. Williams’ many trials and triumphs present a powerful opportunity for readers to explore their own lives to extract invaluable lessons and skills. Throughout Business Model, readers will be treated to countless inspiring perspectives on self-transformation, business success, and transcending adversity, including: Using our past life experiences to fulfill our future ambitions Overcoming obstacles in the corporate world Driving a positive impact on society at large Tapping into the innovation and insight within us all David C. Williams embodies full transparency and vulnerability as he puts each significant experience of his life on full display. In doing so, Business Model treats its readers to one of the most remarkable, meaningful, and powerful stories seen in years.

math playground near me: Answers to Your Biggest Questions About Teaching Elementary Math John J. SanGiovanni, Susie Katt, Latrenda D. Knighten, Georgina Rivera, 2021-09-09 Your guide to grow and learn as a math teacher! Let’s face it, teaching elementary math can be hard. So much about how we teach math today may look and feel different from how we learned it. Today, we recognize placing the student at the center of their learning increases engagement, motivation, and academic achievement soars. Teaching math in a student-centered way changes the role of the teacher from one who traditionally “delivers knowledge” to one who fosters thinking. Most importantly, we must ensure our practice gives each and every student the opportunity to learn, grow, and achieve at high levels, while providing opportunities to develop their agency and authority in the classroom which results in a positive math identity. Whether you are a brand new teacher or a veteran, if you find teaching math to be quite the challenge, this is the guide you want by your side. Designed for just-in-time learning and support, this practical resource gives you brief, actionable answers to your most pressing questions about teaching elementary math. Written by four experienced math educators representing diverse experiences, these authors offer the practical advice they wish they received years ago, from lessons they’ve learned over decades of

practice, research, coaching, and through collaborating with teams, teachers and colleagues—especially new teachers—every day. Questions and answers are organized into five areas of effort that will help you most thrive in your elementary math classroom: 1. How do I build a positive math community? 2. How do I structure, organize, and manage my math class? 3. How do I engage my students in math? 4. How do I help my students talk about math? 5. How do I know what my students know and move them forward? Woven throughout, you'll find helpful sidebar notes on fostering identity and agency; access and equity; teaching in different settings; and invaluable resources for deeper learning. The final question—Where do I go from here?— offers guidance for growing your practice over time. Strive to become the best math educator you can be; your students are counting on it! What will be your first step on the journey?

math playground near me: Families With Power Mary Cowhey, 2022 What if the families of students most impacted by the opportunity gap somehow had the power to organize whatever activities they felt would best help their children succeed? That's the question that began Families with Power/Familias con Poder (FWP), a grassroots organization of low-income students and caregivers in Northampton, MA. Through vignettes and interviews, this premiere book in Sonia Nieto's Visions of Practice Series shares the stories and lessons FWP learned along the way. Inspired by Paulo Freire's educational philosophy and the radical tradition of the Highlander Folk School, a group of real families with few material resources and educators connected with each other, found common ground, and built their own programs to address the needs of their children. Readers will get an inside look at the benefits, successes, and challenges of more than a dozen years of student and family engagement in the community and school as FWP tackled issues ranging from academics, race, and class to immigration and public health. Book Features: The story of how the author cofounded Families with Power in cooperation with immigrant and low-income caregivers and fellow educators. Insight into multiple racial and ethnic perspectives as seen through a myriad of family engagement programs. A relatable collection of narratives that bring to life Freire's methods of problem posing, culture circles, and popular education, as well as Highlander Folk School's methods of grassroots organizing. Guidance to help today's teachers and school leaders connect with students' families and community in meaningful ways. The author's experience as a white teacher learning to bridge cultural, racial, linguistic, and class differences and build authentic relationships to better serve diverse communities.

math playground near me: Mathematics Education for a New Era Keith Devlin, 2011-02-25 Stanford mathematician and NPR Math Guy Keith Devlin explains why, fun aside, video games are the ideal medium to teach middle-school math. Aimed primarily at teachers and education researchers, but also of interest to game developers who want to produce videogames for mathematics education, Mathematics Education for a New Era: Video Games as a Medium for Learning describes exactly what is involved in designing and producing successful math educational videogames that foster the innovative mathematical thinking skills necessary for success in a global economy. Read the author's monthly MAA column Devlin's Angle

math playground near me: Give Your Child the World Jamie C. Martin, 2016-06-07 Young children live with awe and wonder as their daily companions. But as they grow, worries often crowd out wonder. Knowing this, how can parents strengthen their kids' love for the world so it sticks around for the long haul? Thankfully, parents have at their fingertips a miracle vaccine—one that can boost their kids' immunity to the world's distractions. Well-chosen stories connect us with others, even those on the other side of the globe. Build your kids' lives on a story-solid foundation and you'll give them armor to shield themselves from the world's cynicism. You'll give them confidence to persevere in the face of life's conflicts. You'll give them a reservoir of compassion that spills over into a lifetime of love in action. Give Your Child the World features inspiring stories, practical suggestions, and carefully curated reading lists of the best children's literature for each area of the globe. Reading lists are organized by region, country, and age range (ages 4-12). Each listing includes a brief description of the book, its themes, and any content of which parents should be aware. Parents can introduce their children to the world from the comfort of home by simply

opening a book together. Give Your Child the World is poised to become a bestselling family reading treasury that promotes literacy, develops a global perspective, and strengthens family bonds while increasing faith and compassion.

math playground near me: Evolutionary Perspectives on Child Development and Education David C. Geary, Daniel B. Berch, 2016-04-26 This stimulating volume assembles leading scholars to address issues in children's cognitive, academic, and social development through the lens of evolutionary psychology. Debates and controversies in the field highlight the potential value of this understanding, from basic early learning skills through emerging social relationships in adolescence, with implications for academic outcomes, curriculum development, and education policy. Children's evolved tendency toward play and exploration fuels an extended discussion on child- versus adult-directed learning, evolutionary bases are examined for young learners' moral development, and contemporary theories of learning and memory are viewed from an evolutionary perspective. Along the way, contributors' recommendations illustrate real-world uses of evolution-based learning interventions during key developmental years. Among the topics covered: The adaptive value of cognitive immaturity: applications of evolutionary developmental psychology to early education Guided play: a solution to the play versus learning dichotomy Adolescent bullying in schools: an evolutionary perspective Fairness: what it isn't, what it is, and what it might be for Adapting evolution education to a warming climate of teaching and learning The effects of an evolution-informed school environment on student performance and wellbeing Evolutionary Perspectives on Child Development and Education will interest researchers and graduate students working in diverse areas such as evolutionary psychology, cultural anthropology, human ecology, developmental psychology, and educational psychology. Researchers in applied developmental science and early education will also find it useful.

math playground near me: Think Differently About Learning Maren Goerss, Angela Sizer, 2024-06-18 Hosts of the Homeschool Unrefined Podcast show you how let go of traditional measures of success, and instead measure learning by curiosity, joy, self-regulation, and critical thinking. Children deserve more than the systems we're currently using to educate them. Hardworking teachers, diligent administrators, and devoted parents are trying their best in an outdated system that isn't meeting our children's complex needs. Instead, imagine a different way to learn. With helpful, practical tips and anecdotes from homeschooling families, this guide covers all you need to know about learning differences, mental health, devices and technology, socialization, and more. It's for traditional school families who are learning to balance outer expectations with their own needs with a different way of learning. It's for homeschool families who are looking for a more inclusive, supportive, and authentic approach. Angela and Maren pair their years of teaching in a variety of different schools with their years of homeschooling their combined seven children. As they know first-hand, any parent, child, or family can thrive as they unlearn old ways, lean into their own strengths, and celebrate unconventional wins.

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