Number Talks Lessons 2nd Grade

Engage students in mathematics using growth mindset techniques The most challenging parts of teaching mathematics are engaging students and helping them understand the connections between mathematics concepts. In this volume, you'll find a collection of low floor, high ceiling tasks that will help you do just that, by looking at the big ideas at the first-grade level through visualization, play, and investigation. During their work with tens of thousands of teachers, authors Jo Boaler, Jen Munson, and Cathy Williams heard the same message—that they want to incorporate more brain science into their math instruction, but they need guidance in the techniques that work best to get across the concepts they needed to teach. So the authors designed Mindset Mathematics around the principle of active student engagement, with tasks that reflect the latest brain science on learning. Open, creative, and visual math tasks have been shown to improve student test scores, and more importantly change their relationship with mathematics and start believing in their own potential. The tasks in Mindset Mathematics reflect the lessons from brain science that: There is no such thing as a math person - anyone can learn mathematics to high levels. Mistakes, struggle and challenge are the most important times for brain growth. Speed is unimportant in mathematics. Mathematics is a visual and beautiful subject, and our brains want to think visually about mathematics. With engaging questions, open-ended tasks, and four-color visuals that will help kids get excited about mathematics, Mindset Mathematics is organized around nine big ideas which emphasize the connections within the Common Core State Standards (CCSS) and can be used with any current curriculum.

Jessica Shumway has developed a series of routines designed to help young students internalize and deepen their facility with numbers. The daily use of these quick five-, ten-, or fifteen-minute experiences at the beginning of math class will help build students' number sense. --from publisher description

Amber Brown is excited to be starting second grade--and a little nervous, too. But Amber Brown decides she's ready for whatever happens, and second grade had better be ready for Amber Brown!

Making Number Talks Matter is about the myriad decisions facing teachers as they make this fifteen-minute daily routine a vibrant and vital part of their mathematics instruction. Throughout the book, Cathy Humphreys and Ruth Parker offer practical ideas for using Number Talks to help students learn to reason numerically and build a solid foundation for the study of mathematics. This book will be an invaluable resource whether you are already using Number Talks or not; whether you are an elementary, middle school, high school, or college teacher; or even if you are a parent wanting to support your child with mathematics. Using insight gained from many years of doing Number Talks with students of all ages, Cathy and Ruth address questions to ask during Number Talks, teacher moves that turn the thinking over to students, the mathematics behind the various strategies, and ways to overcome bumps in the road. If you've been looking for ways to transform your mathematics classroom--to bring sense-making and divergent thinking to the foreground, to bring the Standards for Mathematical Practice to life, and to bring joy back into your instruction--this book is for you.

60+ Games and Assessment Tools to Support Learning and Retention

180 Days of Math for Third Grade: Practice, Assess, Diagnose

Developing Mathematical Practices and Deepening Understanding, Grades 4-10

Get Ready for Second Grade, Amber Brown

Revelation

Math Fact Fluency

For Elementary Mathematics Methods or Middle School Mathematics Methods Covers preK-8 Written by leaders in the field, this best-selling book will guide teachers as they help all PreK-8 learners make sense of math by supporting their own mathematical understanding and cultivating effective planning and instruction. Elementary and Middle School Mathematics: Teaching Developmentally provides an unparalleled depth of ideas and discussion to help teachers develop a real understanding of the mathematics they will teach and the most effective methods of teaching the various mathematics topics. This text reflects the NCTM and Common Core State Standards and the benefits of problem-based mathematics instruction.

"Ten-frames are a model to help students efficiently gain and develop an understanding of addition and subtraction. The classroom-tested routines, games, and problem-solving lessons in this book use ten-frames to develop students' natural strategies for adding numbers and fit into any set of state standards or curriculum"--Provided by publisher.

Make learning fun and help your student master math with these parent- and teacher-friendly games and activities designed for kindergarten, first grade, and second grade. An excellent resource for teachers and parents, Math Fluency Activities for K–2 Teachers makes learning basic math facts and number sense a breeze. This book helps students in grades K–2 meet current math fluency standards for their age group. Beyond teaching speed, accuracy, and memorization, this book focuses on getting students to apply math in a variety of real-life situations. Inside you ’ ll find: Current fluency standards for kindergarten, first grade, and second grade Activities, games, and ideas for teaching math to students Concrete examples and practice sections to reinforce concepts And much more! Ideal for reteaching, at-home practice, or general class time, Math Fluency Activities for K–2 Teachers is the ultimate tool for helping kids achieve math success!

Durable cards with simple patterns required to support lesson activities. One set is included in the Manipulative Kit and the Manipulative Upgrade Kit. Also accessible online. 1 set of 11 double-sided cards.

Building Numerical Literacy Every Day in Grades K-3

Classroom-Ready Number Talks for Third, Fourth and Fifth Grade Teachers

What Teachers of Young Children Need to Know

It Makes Sense!

Clothesline Math: The Master Number Sense Maker

Equity-Centered Trauma-Informed Education (Equity and Social Justice in Education)

In this mixed methods case study I examined the impact of daily number talks (or strings) on the development of mental math abilities of second graders within a reform-based classroom. I also looked at whether or not the implementation of number talks would increase students' ability to calculate with accuracy, efficiency, and flexibility. Finally, I looked at whether or not the implementation of number talks would increase students' understanding of place value and number relationships. The sample included one class of 19 second-graders to determine the overall impact of number talks, with a focus on six embedded case studies which amplified how this change occurred. A preassessment interview, two midassessments, twenty-four number talks, a postnumber talk questionnaire, and a postassessment interview were used over the span of six weeks. The twenty-four number talks were developed for students to invent, construct, and make sense of their own number strategies and their underlying key ideas. After six weeks of number talks, all students demonstrated an increase in accuracy, efficiency, and flexibility in their number calculations to 20. The case study data of two low-achieving, three average-achieving, and one high-level student reveals growth in their ability to articulate their thinking with an increase in their understanding of place value and number relationships.

Bring math to life with routines that are academically rigorous, standards-based, and engaging! Go beyond circling ABCD on your bell ringers and do nows and get your students reasoning, modeling, and communicating about math every day! In this new book from bestselling author and consultant Dr. Nicki Newton, you’ll learn how to develop effective daily routines to improve students’ thinking, reasoning, and questioning about math. The book provides a wide variety of rigorous, high-interest routines and explains how to rotate and implement them into your curriculum. Inside, you’ll find: Questioning techniques that encourage students to think beyond the "right vs. wrong" continuum Tips for building a math-learning environment that is friendly and supportive of all students Math vocabulary exercises that are meaningful and fun An assortment of innovative daily activities, including "Fraction of the Day," "Truth or Fib," "Find and Fix the Error," "Guess My Number," "What Doesn’t Belong?" and many, many more. Each chapter offers examples, charts, and tools that you can use immediately. With these resources and the practical advice throughout the book, you’ll increase students’ ability to understand math on a deeper level while keeping them engaged in their own learning processes.

"Sense-making makes mathematics personal, and when it's personal, it comes to life. And that's how Number Talks can really make a difference."--Ruth Parker and Cathy Humphreys How teachers react to wrong answers and mistakes makes all the difference in mathematics class. The response can determine whether a student tunes out or delves in. In this comprehensive sequel to Making Number Talks Matter, Ruth Parker and Cathy Humphreys explore more deeply the ways Number Talks can transform student understanding of mathematics. Through vignettes and videos, you'll meet teachers who are learning to listen closely to students and prompting them to figure things out for themselves. You'll learn how they make on-the-spot decisions, continually advancing and deepening the conversation. Personal and accessible, this book highlights: The kinds of questions that elicit deeper thinking Ways to navigate tricky, problematic, or just plain hard exchanges in the classroom How to more effectively use wait time during Number Talks The importance of creating a safe learning environment How to nudge students to think more flexibly without directing their thinking This book offers a rich assortment of ideas to help make Number Talks even more vibrant and meaningful for you and your students.

"This resource supports new and experienced educators who want to prepare for and design purposeful number talks for their students; the author demonstrates how to develop grade-level-specific strategies for addition, subtraction, multiplication, and division. Includes connections to national standards, a DVD, reproducibles, bibliography, and index"--Provided by publisher.

Digging Deeper

The Myth of Ability

Using Ten-frames to Build Number Sense. grades k-2

40 Weeks of Quick Prompts and Activities

A Toolkit for Multiplication & Division Facilitator's Guide

Place Value

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 facts. This approach to facts instruction, grounded in years of research, will transform students' learning of basic facts and help them become more confident, adept, and successful at math.

Not all mathematics discussions are alike. It's one thing to ask students to share how they solved a problem, to get ideas out on the table so that their thinking becomes visible; but knowing what to do with students' ideas--where to go with them--can be a daunting task. Intentional Talk provides teachers with a framework for planning and facilitating purposeful mathematics discussions that enrich and deepen student learning. According to Elham Kazemi and Allison Hintz, the critical first step is to identify a discussion's goal and then understand how to structure and facilitate the conversation to meet that goal. Through detailed vignettes from both primary and upper elementary classrooms, the authors provide a window into what teachers are thinking as they lead discussions and make important pedagogical and mathematical decisions along the way. Additionally, the authors examine students' roles as both listeners and talkers and, in the process, offer a number of strategies for improving student participation and learning. A collection of planning templates included in the appendix helps teachers apply the right structure to discussions in their own classrooms. Intentional Talk provides the perfect bridge between student engagement and conceptual understanding in mathematical discussions.

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.

You had better not monkey around when it comes to place value. The monkeys in this book can tell you why! As they bake the biggest banana cupcake ever, they need to get the amounts in the recipe correct. There ’ s a big difference between 216 eggs and 621 eggs. Place value is the key to keeping the numbers straight. Using humorous art, easy-to-follow charts and clear explanations, this book presents the basic facts about place value while inserting some amusing monkey business.

Visualizing and Investigating Big Ideas, Grade 4

Helping Children Build Mental Math and Computation Strategies, Grades K-5

A Multimedia Professional Learning Resource. Fractions, decimals, and percentages

Classroom-Ready Number Talks for Sixth, Seventh, and Eighth Grade Teachers

Mindset Mathematics

Classroom-Ready Number Talks for Kindergarten, First and Second Grade Teachers

This invaluable resource provides teachers with the tools they need to facilitate mathematical discourse and create opportunities for students to think constructively, communicate effectively, and increase mathematics proficiency. This book will help teachers develop a new set of pedagogical skills and strategies to assess, plan, and organize their classrooms in a manner that is conducive to mathematical discourse. With helpful tips and strategies that are easy to implement, this standards-based book supports an equitable learning environment by encouraging active listening, clear communication, justification of perspective, and acknowledgement of students' experiences. Each chapter includes Culturally and Linguistically Responsive Teaching and Learning strategies to address cultural norms for diverse populations, and support the needs of English language learners. With tips for implementing Math Talks and Number Talks, this resource will get students thinking like mathematicians in no time.

This innovative and creative book gives young children a variety of interactive opportunities to learn, practice, and master early math concepts and skills in a language-based setting. Using fanciful illustrations of nursery rhymes and thematic scenes, you will be able to: engage young children in fun but focused discussions; inspire them to create and share their own math stories; establish home-school connections so children can "talk math" with parents and siblings; differentiate instruction and scaffold content for diverse learners. Filled with B&W illustrations as well as 20 full-color transparencies, this appealing book is ideal for remedial second-graders and English language learners, too! Grades PreK-1. --amazon.com.

A wide variety of ready-to-use number talks that help kindergarten through second-grade students learn math concepts in fun and easy ways Bringing the exciting teaching method of number talks into your classroom has never been easier. Simply choose from the hundreds of great ideas in this book and get going, with no extra time wasted! From activities on addition and subtraction to fractions and decimals, Classroom-Ready Number Talks for Kindergarten, First and Second Grade Teachers includes: Grade-level specific strategies Number talk how-tos Visual and numerical examples Scaffolding suggestions Common core alignments Questions to build understanding Reduce time spent lesson planning and preparing materials and enjoy more time engaging your students in learning important math concepts! These ready-to-use number talks are sure to foster a fresh and exciting learning environment in your classroom, as well as help your students increase their comprehension of numbers and mathematical principles.

Support third-grade students with 180 daily practice activities to build their mathematical fluency. Each problem is tied to a specific mathematical concept to help students gain regular practice of key grade-level skills. This book features quick, diagnostic-based activities that are correlated to College and Career Readiness and other state standards, and includes data-driven assessment tips. Digital resources include assessment analysis tools and pdfs of the activity sheets. With these daily practice activities, teachers and parents will be helping third graders improve their math skills in no time!

Number Sense Routines

Elementary and Middle School Mathematics: Pearson New International Edition

Making Number Talks Matter Even More, Grades 3-10

The Impact of Daily Number Talks on the Development of Mental Math Abilities of Second Graders Within a Reform-based Classroom

Atomic Habits

Day-by-Day Math Thinking Routines in Second Grade

According to the great mathematician Paul Erdös, God maintains perfect mathematical proofs in The Book. This book presents the authors candidates for such "perfect proofs," those which contain brilliant ideas, clever connections, and wonderful observations, bringing new insight and surprising perspectives to problems from number theory, geometry, analysis, combinatorics, and graph theory. As a result, this book will be fun reading for anyone with an interest in mathematics.

Brighter Child(R) Spanish for Grade 1 helps students master beginning foreign language skills. Practice is included for learning color words, animal words, family words, and more. School success starts here! Workbooks in the popular Brighter Child(R) series are packed with plenty of fun activities that teach a variety of essential school skills. Students will find help for math, English and grammar, handwriting, and other important subject areas. Each book contains full-color practice pages, easy-to-follow instructions, and an answer key.

For decades teachers and parents have accepted the judgment that some students just aren't good at math. John Mighton-the founder of a revolutionary math program designed to help failing math students-feels that not only is this wrong, but that it has become a self-fulfilling prophecy. A pioneering educator, Mighton realized several years ago that children were failing math because they had come to believe they were not good at it. Once students lost confidence in their math skills and fell behind, it was very difficult for them to catch up, particularly in the classroom. He knew this from experience, because he had once failed math himself. Using the premise that anyone can learn math and anyone can teach it, Mighton's unique teaching method isolates and describes concepts so clearly that students of all skill levels can understand them. Rather than fearing failure, students learn from and build on their own successes and gain the confidence and self-esteem they need to be inspired to learn. Mighton's methods,

set forth in The Myth of Ability and implemented in hundreds of Canadian schools, have had astonishing results: Not only have they helped children overcome their fear of math, but the resulting confidence has led to improved reading and motor skills as well. The Myth of Ability will transform the way teachers and parents look at the teaching of mathematics and, by extension, the entire process of education.

Concepts of Biology is designed for the single-semester introduction to biology course for non-science majors, which for many students is their only college-level science course. As such, this course represents an important opportunity for students to develop the necessary knowledge, tools, and skills to make informed decisions as they continue with their lives. Rather than being mired down with facts and vocabulary, the typical non-science major student needs information presented in a way that is easy to read and understand. Even more importantly, the content should be meaningful. Students do much better when they understand why biology is relevant to their everyday lives. For these reasons, Concepts of Biology is grounded on an evolutionary basis and includes exciting features that highlight careers in the biological sciences and everyday applications of the concepts at hand.We also strive to show the interconnectedness of topics within this extremely broad discipline. In order to meet the needs of today's instructors and students, we maintain the overall organization and coverage found in most syllabi for this course. A strength of Concepts of Biology is that instructors can customize the book, adapting it to the approach that works best in their classroom. Concepts of Biology also includes an innovative art program that incorporates critical thinking and clicker questions to help students understand--and apply--key concepts.

Math Talk

An Easy & Proven Way to Build Good Habits & Break Bad Ones

Making Number Talks Matter

Practice, Assess, Diagnose

Math Fluency Activities for K–2 Teachers

Spanish, Grade 1

How do you approach a math problem that challenges you? Do you keep trying until you reach a solution? Or are you like Amy, who gets frustrated easily and gives up? Amy is usually a happy and enthusiastic student in grade five who loves to dance, but she is struggling with a tough math assignment. She doesn't think she is good at math because her classmates always get the answers faster than she does and sometimes she uses her fingers to help her count. Even though her mom tries to help her, Amy is convinced she just cannot do math. She decides not to do the assignment at all since she thinks she wouldn't do well anyway. As Amy goes about her day, her experiences at ballet class, the playground, and gym class have her thinking back to how she gave up on her math assignment. She starts to notice that hard-work, practice, and dedication lead to success, thanks to her friends and teachers. She soon comes to understand that learning math is no different than learning any other skill in life. With some extra encouragement from her math teacher, a little help from her mom, and a new attitude, Amy realizes that she can do math!

"This resource was created in response to the requests of teachers--those who want to implement number talks but are unsure of how to begin, and those with experience who want more guidance in crafting purposeful problems."--Page 4 de la couverture.

Lively games and activities that use the hundred chart to teach number patterns and relationships, place value, addition, subtraction, multiplication, and more.

The #1 New York Times bestseller. Over 4 million copies sold! Tiny Changes, Remarkable Results No matter your goals, Atomic Habits offers a proven framework for improving--every day. James Clear, one of the world's leading experts on habit formation, reveals practical strategies that will teach you exactly how to form good habits, break bad ones, and master the tiny behaviors that lead to remarkable results. If you're having trouble changing your habits, the problem isn't you. The problem is your system. Bad habits repeat themselves again and again not because you don't want to change, but because you have the wrong system for change. You do not rise to the level of your goals. You fall to the level of your systems. Here, you'll get a proven system that can take you to new heights. Clear is known for his ability to distill complex topics into simple behaviors that can be easily applied to daily life and work. Here, he draws on the most proven ideas from biology, psychology, and neuroscience to create an easy-to-understand guide for making good habits inevitable and bad habits impossible. Along the way, readers will be inspired and entertained with true stories from Olympic gold medalists, award-winning artists, business leaders, life-saving physicians, and star comedians who have used the science of small habits to master their craft and vault to the top of their field. Learn how to: • make time for new habits (even when life gets crazy); • overcome a lack of motivation and willpower; • design your environment to make success easier; • get back on track when you fall off course; ...and much more. Atomic Habits will reshape the way you think about progress and success, and give you the tools and strategies you need to transform your habits--whether you are a team looking to win a championship, an organization hoping to redefine an industry, or simply an individual who wishes to quit smoking, lose weight, reduce stress, or achieve any other goal.

1000 Interactive Activities and Strategies That Teach Number Sense and Math Facts

Proofs from THE BOOK

Teaching Concepts & Skills Through Illustrations & Stories

Building Fact Fluency

Intentional Talk

Big Ideas of Early Mathematics

A wide variety of ready-to-use number talks that help kindergarten through second-grade students learn math concepts in fun and easy ways. Bringing the exciting teaching method of number talks into your classroom has never been easier. Simply choose from the hundreds of great ideas in this book and get going! From activities on addition and subtraction to fractions and decimals, Classroom-Ready Number Talks for Kindergarten, First and Second Grade Teachers includes: Grade-level specific strategies Number talk how-tos Visual and numerical examples Scaffolding suggestions Common core alignments Questions to build understanding Reduce time spent lesson-planning and preparing materials and enjoy more time engaging your students in learning important math concepts! These ready-to-use number talks are sure to foster a fresh and exciting learning environment in your classroom, as well as help your students increase their comprehension of numbers and mathematical principles.

"Building Fact Fluency helps students develop deep conceptual understanding of the operations and fact fluency at the same time. Research-based and standards-aligned, the toolkit invites students to think strategically about the mathematics through multiple, rich, real-world contexts"--

Use with the Number Sense Screener?(NSS?), your quick, reliable way to screen early numerical competencies. Find out where children need extra support-and then use the Number Sense Interventions to target those specific skills.

Make math class fun with this big book of number talk strategies designed to teach middle school students the mental math, problem-solving skills they need to meet common core standards and become successful mathematical thinkers. Bringing the exciting teaching method of number talks into your classroom has never been easier. Simply choose from the hundreds of great ideas in this book and get going, with no extra time wasted! From activities on multiplication and division to decimals and integers, Classroom-Ready Number Talks for Sixth, Seventh, and Eighth Grade Teachers includes: Grade-level specific strategies Number talk how-tos Visual and numerical examples Scaffolding suggestions Common core alignments Questions to build understanding Reduce time spent lesson planning and preparing materials and enjoy more time engaging your students in learning important math concepts! These ready-to-use number talks are sure to foster a fresh and exciting learning environment in your classroom.

Teaching Developmentally

Daily Math Thinking Routines in Action

Everyday Mathematics 4, Grades K-2, Quick Look Cards - Ten Frames

180 Days of Math for Second Grade

Everyone Can Learn Math

Fun Classroom Games That Teach Basic Math Facts, Promote Number Sense, and Create Engaging and Meaningful Practice

The final book of the Bible, Revelation prophesies the ultimate judgement of mankind in a series of allegorical visions, grisly images and numerological predictions. According to these, empires will fall, the "Beast" will be destroyed and Christ will rule a new Jerusalem. With an introduction by Will Self.

Each problem is tied to a specific mathematical concept to help students gain regular practice of key grade-level skills. This book features quick, diagnostic-based activities and includes data-driven assessment tips. Digital resources include assessment analysis tools and pdfs of the activity sheets. With these daily practice activities, teachers and parents will be helping first graders improve their math skills in no time!

Day-by-Day Math Thinking Routines in Second Grade helps you provide students with a review of the foundational ideas in math, every day of the week! Based on the bestselling Daily Math Thinking Routines in Action, the book follows the simple premise that frequent, rigorous, engaging practice leads to mastery and retention of concepts, ideas, and skills. These worksheet-free, academically rigorous routines and prompts follow second grade level priority standards and include whole group, individual, and partner work. The book can be used with any math program, or for small groups, workstations, or homework. Inside you will find: 40 weeks of practice 1 activity a day 200 activities total Answer Key For each week, the Anchor Routines cover these key areas: Monday: Reasoning; Tuesday: Vocabulary; Wednesday: Place Value; Thursday: Fluency; and Friday: Problem Solving. Get your students' math muscles moving with the easy-to-follow routines in this book!

This must-have resource provides the theoretical groundwork for teaching number sense. Authored by Chris Shore, this e-book empowers teachers with the pedagogy, lessons, and detailed instructions to help them implement Clothesline Math in K-12 classrooms. Detailed, useful tips for facilitating the ensuing mathematical discourse are also included. At the elementary level, the hands-on lessons cover important math topics including whole numbers, place value, fractions, order of operations, algebraic reasoning, variables, and more. Implement Clothesline Math at the secondary level and provide students with hands-on learning and activities that teach advanced math topics including geometry, algebra, statistics, trigonometry, and pre-calculus. Aligned to state and national standards, this helpful resource will get students excited about learning math as they engage in meaningful discourse.

Mathematical Discourse: Let the Kids Talk!

Number Talks

1,000 Interactive Math Activities that Promote Conceptual Understanding and Computational Fluency

How to Structure and Lead Productive Mathematical Discussions

Play & Learn Math: Hundred Chart

Distributed Practices Across the Year

Educators must both respond to the impact of trauma, and prevent trauma at school. Trauma-informed initiatives tend to focus on the challenging behaviors of students and ascribe them to circumstances that students are facing outside of school. This approach ignores the reality that inequity itself causes trauma, and that schools often heighten inequities when implementing trauma-informed practices that are not based in educational equity. In this fresh look at trauma-informed practice, Alex Shevrin Venet urges educators to shift equity to the center as they consider policies and professional development. Using a framework of six principles for equity-centered trauma-informed education, Venet offers practical action steps that teachers and school leaders can take from any starting point, using the resources and influence at their disposal to make shifts in practice, pedagogy, and policy. Overthrowing inequitable systems is a process, not an overnight change. But transformation is possible when educators work together, and teachers can do more than they realize from within their own classrooms.

A huge collection of ready-to-use number talks that make math concepts easier for students to learn. Whether you're new to number talks or have been using them in your classroom for years, this book makes it easier than ever for your students to experience this exciting teaching method. Instead of trying to come up with a new number talk every day, simply select one of the hundreds of great offerings provided in this book. With chapters on addition, subtraction, multiplication, division, fractions and decimals, Classroom-Ready Number Talks for 3rd, 4th and 5th Grade Teachers includes: • Grade-level specific strategies • Number talk how-tos • Visual and numerical examples • Scaffolding suggestions • Common core alignments • Questions to build understanding With these ready-to-use number talks, you'll reduce time spent lesson-planning and enjoy more time discussing math with your students. It's sure to create a more engaging environment in your classroom and increase student comprehension of math concepts and how numbers function in the world around them.

Nurturing Mathematical Talent in Every Child

Routines for Reasoning

Concepts of Biology

1,000 Interactive Activities and Strategies that Teach Number Sense and Math Facts

Number Sense Interventions

Fostering the Mathematical Practices in All Students