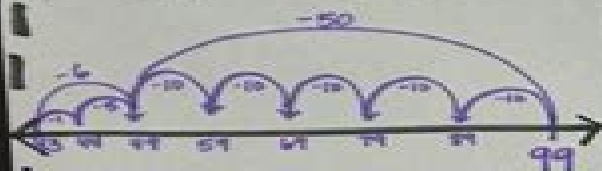
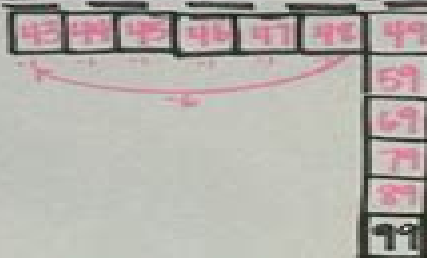


$$99 - 56 = 43$$



Number
Line



Hundreds
Chart

$$99 - 56 = 43$$

$$\begin{aligned} 90 - 50 &= 40 \\ 9 - 6 &= 3 \\ 40 + 3 &= 43 \end{aligned}$$

Decompose
and
Compose

$$99 - 56 = 43$$



Place Value
Chart

Subtraction
Strategies

$$99 - 56 = 43$$

$$\begin{aligned} 90 + 9 \\ - 50 + 6 \\ \hline 40 + 3 = 43 \end{aligned}$$

$$99 - 56 = 43$$

$$\begin{aligned} 99 - 50 &= 49 \\ 49 - 6 &= 43 \end{aligned}$$

Chunking

$$\begin{array}{r} 99 \\ - 56 \\ \hline 43 \end{array}$$

Traditional
Algorithm

$$99 - 56 = 43$$

$$\begin{aligned} 90 + 9 \\ 40 + 3 &= 43 \end{aligned}$$

Addition Strategies For 2nd Grade Lesson Plan

**Beth McCord Kobett, Ruth Harbin
Miles, Lois A. Williams**



Addition Strategies For 2nd Grade Lesson Plan:

The Mathematics Lesson-Planning Handbook, Grades K-2 Beth McCord Kobett, Ruth Harbin Miles, Lois A. Williams, 2018-02-09 This book brings together the best of Visible Learning and the teaching of mathematics The chapters on learning intentions success criteria misconceptions formative evaluation and knowing thy impact are stunning Rich in exemplars grounded in research about practice and with the right balance about the surface and deep learning in math it s a great go to book for all who teach mathematics John Hattie Laureate Professor Deputy Dean of MGSE Director of the Melbourne Education Research Institute Melbourne Graduate School of Education Your blueprint to planning K 2 math lessons for maximum impact and understanding Not sure of tomorrow morning s lesson plan Or maybe you feel it isn t tailored enough for your students needs What do you do For that and more help is here *The Mathematics Lesson Planning Handbook Grades K 2 Your Blueprint for Building Cohesive Lessons* guides teachers step by step through the decision making process of planning K 2 math lessons that are purposeful rigorous and coherent Instructional experts Beth McCord Kobett Ruth Harbin Miles and Lois A Williams streamline and deepen the lesson planning process showing teachers how to access students complex needs clarify learning intentions and select tasks that will best lead to student understanding of mathematical concepts and skills Along the way teachers create an individualized blueprint for planning K 2 math lessons for maximum student learning The lesson planning process guides teachers to Identify the mathematical content language and social learning intentions for a lesson or unit and connect goals to success criteria Determine the purpose of a math lesson you re planning by distinguishing between conceptual understanding procedural fluency and transfer Select worthwhile tasks and materials that make the best use of representations manipulatives and other instructional tools and resources Choose the format of your lesson using reasoning and number routines games whole class discussion and pairs or small group work Anticipate student misconceptions and evaluate understanding using a variety of formative assessment techniques Decide how you ll launch your lesson facilitate questioning encourage productive struggle and close your lesson Included is a lesson planning template and examples from kindergarten first and second grade classrooms Chapter by chapter the decision making strategies empower teachers to plan math lessons strategically to teach with intention and confidence and to build an exceptional foundation in math for all students **Everyday Mathematics 2 Grade Teacher's Lesson Guide Volume 1**

Max Bell, 2004 **Lesson Study** Clea Fernandez, Makoto Yoshida, 2012-09-10 Lesson study is a popular professional development approach in Japan whereby teachers collaborate to study content instruction and how students solve problems and reach for understanding in order to improve elementary mathematics instruction and learning in the classroom This book is the first comprehensive look at the system and process of lesson study in Japan It describes in detail the process of how teachers conducted lesson study how they collaborated in order to develop a lesson what they talked about during the process and what they looked at in order to understand deeply how students were learning Readers see the planning of a

mathematics lesson as well as how much content knowledge the teachers have They observe students problem solving strategies and learn how Japanese teachers prepare themselves to identify those strategies and facilitate the students discussion Written for mathematics teachers educational researchers school administrators interested in teachers professional development and professional developers this landmark volume provides an in depth understanding of lesson study that can lead to positive changes in teachers professional development and in teaching and learning in the United States

Common Core Mathematics in a PLC at Work®, Grades K-2 Timothy D. Kanold,2012-04-12 This teacher guide illustrates how to sustain successful implementation of the Common Core State Standards for mathematics grades K 2 Discover what students should learn and how they should learn it at each grade level Comprehensive research affirmed analysis tools and strategies will help you and your collaborative team develop and assess student demonstrations of deep conceptual understanding and procedural fluency

Resources in Education ,1999-04 *Advancing Research on Teachers' Professional Vision: Implementing novel Technologies, Methods and Theories* Christian Kosel,Tina Seidel ,Christian Hartmann,Ann-Sophie Grub,2024-07-25 A classroom full of students can be overwhelming for teachers It is critical that teachers are able to filter and meaningfully interpret the relevant information in this complex scenario Much of this filtering and interpretation occurs through selective visual perception Over the last decade a rapidly growing number of studies in empirical educational research used eye tracking to investigate teachers selective visual perceptual processes in the classroom Theoretically visual attention and perception are often conceptualized as knowledge based noticing coupled with knowledge based reasoning about what is visually perceived Recent eye tracking studies have shown that experienced teachers in particular show improved selective attention of classroom events through faster detection of relevant information and improved monitoring of learning relevant situations Researchers agree that a critical driver of selective attention processes is the professional knowledge declarative procedural and metacognitive of experienced teachers which controls selective perceptual processes in a top down process The findings are significant and provide important insights for research on teacher professionalization

Harcourt Math, Grade 1 HSP,2002 Mathematics program for grades K 6 provides focused instruction on key skills comprehensive assessment targeted intervention and practice for mastery and retention

The Howard Street Tutoring Manual Darrell Morris,2017-02-13 This indispensable manual provides a comprehensive guide to one on one instruction for struggling readers in grades 1 to 3 The book addresses the hows whats and whys of setting up a volunteer or professional tutoring program supplies assessment guidelines and reproducible forms and presents in depth case studies that demonstrate the nuts and bolts of tutoring three children at different stages of early literacy over an entire school year Case study chapters offer clear descriptions of lesson plans instructional activities and informal assessment procedures illustrated with realistic examples of student work

Strategies for Implementing Guided Math Laney Sammons,2012-07-01 This resource provides specific strategies for implementing the seven elements of the Guided Math

Framework In addition this professional resource includes digital resources sample lessons activities and classroom snapshots of strategy implementation at three grade level spans K 2 3 5 and 6 8

The Mathematics Lesson-Planning Handbook, Grades 3-5 Ruth Harbin Miles, Beth McCord Kobett, Lois A. Williams, 2018-07-13 This book brings together the best of Visible Learning and the teaching of mathematics The chapters on learning intentions success criteria misconceptions formative evaluation and knowing thy impact are stunning Rich in exemplars grounded in research about practice and with the right balance about the surface and deep learning in math it s a great go to book for all who teach mathematics John Hattie Laureate Professor Deputy Dean of MGSE Director of the Melbourne Education Research Institute Melbourne Graduate School of Education YOU are the architect in the mathematics classroom When it comes to mathematics lessons do you sometimes feel overly beholden to the required texts from which you teach Do you wish you could break the mold but feel like you get conflicting guidance on the right things to do How often do you find yourself in the last minute online scramble for a great task activity that will capture your students interest and align to your state standards In *The Mathematics Lesson Planning Handbook Grades 3 5 Your Blueprint for Building Cohesive Lessons* you ll learn the streamlined decision making processes that will help you plan the focused research based standards aligned lessons your students need This daily reference offers practical guidance for when and how to pull together mathematics routines resources and effective teaching techniques into a coherent and manageable set of lesson plans This resource will Lead teachers through a process of lesson planning based on various learning objectives Set the stage for lesson planning using relatable vignettes Offer sample lesson plans for Grades 3 5 Create opportunities to reflect on each component of a mathematics lesson Suggest next steps for building a unit from the lessons Provide teachers the space and tools to create their own lesson plans going forward Based on years of classroom experience from seasoned mathematics educators this book brings together the just in time resources and practical advice you need to make lesson planning simple practical and doable From laying a solid foundation to choosing the right materials you ll feel confident structuring lessons that lead to high student achievement

Rethinking the Teaching Mathematics for Emergent Bilinguals Ji Yeong I, Hyewon Chang, Ji-Won Son, 2019-11-09 This book focuses on the role of cultural background in Korean public schools and provides essential insights into how Korean teachers perceive and respond to the transition of their classroom situations with Korean language learners It reveals the perspectives and the practices of Korean teachers especially with regard to multicultural students who struggle with language barriers when learning mathematics The information provided is both relevant and topical as teaching mathematics to linguistically and culturally diverse learners is increasingly becoming a worldwide challenge

The Mathematics Lesson-Planning Handbook, Grades 6-8 Lois A. Williams, Beth McCord Kobett, Ruth Harbin Miles, 2018-12-28 Your blueprint to planning Grades 6 8 math lessons that lead to achievement for all learners When it comes to planning mathematics lessons do you sometimes feel burdened Have you ever scrambled for an activity to engage your

students that aligns with your state standards Do you ever look at a recommended mathematics lesson plan and think This will never work for my students The Mathematics Lesson Planning Handbook Your Blueprint for Building Cohesive Lessons Grades 6 8 walks you step by step through the process of planning focused research based mathematics lessons that enhance the coherence rigor and purpose of state standards and address the unique learning needs of your individual students This resource deepens the daily lesson planning process for middle school teachers and offers practical guidance for merging routines resources and effective teaching techniques into an individualized and manageable set of lesson plans The effective planning process helps you Identify learning intentions and connect goals to success criteria Select resources and worthwhile tasks that make the best use of instructional materials Structure lessons differently for traditional and block middle school schedules Anticipate student misconceptions and evaluate understanding using a variety of formative assessment techniques Facilitate questioning encourage productive struggle and close lessons with reflection techniques This author team of seasoned mathematics educators make lesson planning practical and doable with a useful lesson planning template and real life examples from Grades 6 8 classrooms Chapter by chapter the decision making strategies empower teachers to plan mathematics lessons strategically to teach with intention and confidence and to build purposeful rigorous coherent lessons that lead to mathematics achievement for all learners

Designing Environments for Constructive Learning Thomas M. Duffy, Joost Lowyck, David H. Jonassen, 2012-12-06 The idea for this book grew out of a NATO Advanced Research Workshop held at the Catholic University at Leuven Belgium We are grateful to NATO for support in conducting this workshop and for support in the preparation of this book We are particularly grateful for their emphasis on designing the workshop to build collegiality They suggested that we hold the meeting in a small town and that we organize evening activities to keep the group together and to promote informal and extended discussions What sage advice The excitement grew over the three days as we shared understandings and enriched our perspectives Indeed there was even a proclaimed near conversion to a constructivist perspective from one colleague trained in traditional instructional design methods While we report this as a bit of a humorous anecdote it most clearly reflects the sense of excitement that developed We would also like to thank the staff at the Catholic University for their great support during the workshop Their efforts and their good cheer were important components in the success of the meeting In particular we would like to thank Jan Elen Catherine Vermunicht and Jef Vanden Branden Finally we would like to thank the personnel at Indiana University for their help in assembling this book Deborah Shaw prepared the index We thank her for the skill and speed with which she was able to work

Conquering Math Myths with Universal Design Jenna M. Rufo, Ron Martiello, 2024 Address and dismantle common math myths using UDL a lesson design approach that mitigates instructional barriers and leads to inclusive accessible mathematics instruction for all

Mentoring Novice Teachers Debra Eckerman Pitton, 2006-04-28 Mentoring Novice Teachers is thorough comprehensive and well thought out The author provides an important addition to the growing number

of publications about mentoring Its focus is on the content of mentor training and development Content is conveyed in a constructivist mode through group dialogue while at the same time allowing for individual reflection Hal Portner Author

Mentoring New Teachers Deepen mentors awareness of effective practices for guiding novice teachers to success How do we educate mentors so they are able to successfully work with novice teachers **Mentoring Novice Teachers** examines roles in mentoring relationships presents strategies that foster trust and open communication and offers practical ideas for addressing the specific needs of novice teachers This excellent updated resource focuses on building the knowledge and skills mentors need to effectively support and guide new teachers as well as better understand the mentoring process Reflections discussion prompts and role plays are incorporated throughout to increase mentors awareness and promote positive and effective interactions between mentors and beginning teachers This second edition includes Specific guidelines for facilitating a mentor training workshop Expanded coverage of mentoring strategies and processes Updated research about effective mentoring and communication A stronger focus on mentoring individuals with diverse backgrounds and experiences This unique book blends theory and practice in a format that meets the needs of mentors and facilitates a powerful means of support for novice teachers *Hands-On Problem Solving, Grade 2* Jennifer Lawson,Susan Atcheson,Pat Steuart,Dayna Quinn-LaFleche,Denise MacRae,2012-07-12 Math problem solving activities

Teaching Kids with Learning Difficulties in Today's Classroom Susan Winebrenner,Lisa Kiss,2017-02-28 A gold mine of practical easy to use teaching methods strategies and tips to improve learning outcomes for students who score below proficiency levels This fully revised and updated third edition of *Teaching Kids with Learning Difficulties in Today's Classroom* provides information on integrated learning problem solving and critical thinking in line with Common Core State Standards and 21st century skills It reflects the use of technology and schoolwide cluster grouping in support of all students and includes proven practical classroom tested strategies and step by step instructions for how to use them Sidebars throughout highlight special information for working with students on the autism spectrum tech tips describe technologies that are especially useful for kids with LD Digital content includes all of the book's customizable forms additional content organization charts and a PDF presentation for book study groups and professional development

Activating Assessment for All Students Mary Hamm,Dennis Adams,2013 Hamm and Adams present models to help teachers identify student learning problems recognizing when to re teach when to move ahead and when to explain or give more examples *Activating Assessment for All Students* takes all of these into account when it provides differentiated science math methods and goes on to suggest ways that formative assessment practices can inform differentiated teaching learning and assessment These methods promote success for more students by helping teachers develop informative assessment for lessons and related tools for reaching the varying levels of student competencies within their classes This book builds on the expanding knowledge of what works in classrooms and suggests approaches that can open up individual and group possibilities for science and mathematics

instruction It intends to help you answer the following questions What is differentiated instructional assessment How can I amplify the results of DI by using formative assessments How might quality assessment tools like portfolios benefit all students How will I know that differentiated formative assessment works Strengthening the quality of teacher education programs Fika Megawati,Yudhi Arifani,Dodi Mulyadi,2024-01-18 *Proceedings of the 2022 2nd International Conference on Modern Educational Technology and Social Sciences (ICMETSS 2022)* Youbin Chen,Marcus T. Anthony,Yan Ke,2023-02-10 This is an open access book ICMETSS 2022 is to bring together innovative academics and industrial experts in the field of Innovation in Teaching Learning Technology Enhanced Learning in the Digital Era and Integrating Educational Technologies The primary goal of the conference is to promote research and developmental activities in Innovations in educational technology in the digital age and another goal is to promote scientific information interchange between researchers developers engineers students and practitioners working all around the world The conference will be held every year to make it an ideal platform for people to share views and experiences in Innovations in educational technology in the digital age and related areas

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