

The Hess Matrix:

- Synthesizes Bloom's Taxonomy and Webb's Depth of Knowledge
- Provides a structure for thinking about thinking
- Captures a continuum of increasingly deep thinking
- Maps cognitive rigor based on both required skill complexity and necessary depth of knowledge

Hess Matrix

	Webb's DOK Levels 1 and 2 Recall/Reproduction & Skills/Concepts	Webb's DOK Levels 3 and 4 Strategic Thinking/Reasoning & Crit. Thinking
Lower Level Bloom's Remember Understand	<ul style="list-style-type: none"> Recognize or recall basic facts or explicit ideas Define or describe details Identify main ideas of texts Provide examples and explain connections 	<ul style="list-style-type: none"> Connect ideas to supporting evidence and/or theories from other areas of study Describe how/what features may influence outcomes Write multi-paragraph compositions for a specific purpose and audience
Mid-level Bloom's Apply Analyze	<ul style="list-style-type: none"> Produce structured paragraphs Categorize and compare different terms, facts/ideals, theory elements, or data Analyze structures and identify and categorize key features Distinguish between relevant and irrelevant information; facts vs. opinions 	<ul style="list-style-type: none"> Apply an earlier concept in a new context Further and analyze complex texts/data of information to address original questions Use reasoning and evidence to support outcomes
Higher Level Bloom's Evaluate Create	<ul style="list-style-type: none"> Brainstorm ideas or questions based on observations 	<ul style="list-style-type: none"> Critique arguments and conclusions of others Synthesize information across multiple sources Develop models of complex situations/issues Develop and justify alternative approaches

Karin Hess And Depth Of Knowledge Matrix

Larry Ainsworth



Karin Hess And Depth Of Knowledge Matrix:

Deconstructing Depth of Knowledge Erik M. Francis, 2021-11-05 Depth of knowledge DOK has become a priority for many schools But if your understanding of DOK is a little cloudy you re not alone This resource is your one stop shop for learning what it is who it s for and how to use and sustain it Ultimately you will discover how to plan and provide learning experiences that are academically rigorous socially and emotionally supportive and student responsive Learn how DOK is a different deeper way of approaching teaching and learning Explore the different DOK levels and how they relate to instruction Understand DOK s relationship with standards and assessment Designate correct levels based on learning needs Acquire strategies for helping students engage with DOK on a deeper level Contents Introduction What Depth of Knowledge Is Not Chapter 1 What Exactly Is Depth of Knowledge Chapter 2 What Are DOK Teaching and Learning Experiences Chapter 3 How to Teach and Learn for Depth of Knowledge Chapter 4 How to Use Webb s DOK Levels as a Multi Tiered System of Support Chapter 5 How to Deconstruct Learning Intentions for Depth of Knowledge Chapter 6 How to Designate the Depth of Knowledge Level Demanded Chapter 7 How to Construct DOK Learning Targets and Success Criteria Chapter 8 How to Ask and Address Good Questions for Depth of Knowledge Chapter 9 Let s Make a DOK Conclusion References and Resources Index

Applying Depth of Knowledge and Cognitive Rigor Karin Hess, For more than 2 decades Karin Hess has worked with the concept of depth of knowledge DOK and expanded applications of cognitive rigor across content areas and grade levels proving that every student can experience deeper learning This interactive book offers a self guided journey beginning with the basics what DOK is what it is not and debunking common misconceptions about rigor Karin shares how she synthesized ideas from various thinking models with DOK as the foundation to create the Hess Cognitive Rigor Matrices now used in more than 100 countries Each module is framed by frequently asked questions and provides practical tools and strategies for applying a cognitive mindset that supports student centered classrooms from planning instruction that shifts student roles from taking in information to constructing meaning to monitoring progress with assessments that uncover thinking This unique action oriented workbook is a perfect companion to Karin s earlier books and a great DOK refresher for PK 12 staff Learn how to Build a shared understanding of DOK and rigor among your teaching colleagues Shift DOK levels in order to shift teacher student roles in support of learning transfer Create actionable standards based and competency based assessments Analyze and adapt current curricular and assessment materials Explore applications of DOK in progress monitoring and grading

A Local Assessment Toolkit to Promote Deeper Learning Karin Hess, 2018-02-28 Build assessments you can really use Unlock the how when what and why Watch your system become greater than its parts by building local capacity through common language and deeper knowledge of assessment components For years educators have turned to the Hess Cognitive Rigor Matrices CRM Now for the first time the modules are packaged into one resource to help you evaluate the quality and premise of your current assessment system Designed as a professional development guide

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motivation and each chapter features numerous worked examples to demonstrate the theory in action together with a concluding series of questions that will help maths practitioners relate the content to their own classroom practice Furthermore Emma s writing offers clarity around the language of maths teaching and learning and also delves into the finer points of how to identify and address any misconceptions that students may hold Written for new and experienced practitioners alike this gimmick free guide provides sensible solutions to perennial problems and inspires a rich challenging and evidence based approach to the teaching of maths Suitable for maths teachers of students aged 11 to 18 years and for primary school maths specialists

Prioritizing the Common Core Larry Ainsworth,2013 The consensus among educators nationwide is that in depth instruction paired with focused assessment of essential concepts and skills are far more effective than superficially covering every concept and skill in the standards Educators are faced with the task of teaching all standards while meeting the extraordinary range of student learning needs Prioritizing the Common Core offers common sense solutions to the dilemmas teachers face today in implementing the new more rigorous national standards Chapters present a rationale for prioritizing the Common Core a step by step process for prioritizing standards in language arts and mathematics strategies for soliciting feedback and input from everyone in the district or school prior to the final determination of the Priority Standards and detailed summaries of the process schools in six different districts used to identify their Priority Standards with accompanying commentary by those who directed the work

Rigor and Assessment in the Classroom Barbara R. Blackburn,2025-06-30 Learn how to assess students in a way that truly impacts learning In Rigor and Assessment in the Classroom bestselling author Barbara R Blackburn provides a broad range of practical strategies for increasing the rigor and usefulness of your formative and summative assessments You ll discover how to create an environment where students are expected to learn at high levels evaluate student learning in a way that ensures growth strengthen the validity and reliability of your assessments plan assessments in conjunction with planning the instruction differentiate assessments to increase the rigor for all students enhance the effectiveness of your grading system and feedback and design clear reader friendly rubrics and scoring guides Each chapter includes ready to use tools examples across the subject areas and Think About It questions to help you reflect on what you ve read This updated second edition features new sections on questioning and grading updated assessment samples and technology resources There is also a new chapter of Common Concerns which addresses working with students with special needs AI managing assessment in the classroom and working with parents and families

Rigor in Your Classroom Barbara R. Blackburn,2014-04-24 Teachers are required to increase the rigor for students but how This book by bestselling author and rigor expert Barbara Blackburn has the answer It is a treasure chest of more than 200 practical and highly effective tools that can be used across grade levels and subject areas to increase student rigor leading your students to higher engagement and deeper learning Topics covered include Asking higher level questions Scaffolding to help all students achieve success Differentiating instruction and

using modifications Fostering independence through gradual release of responsibility Increasing text difficulty and teaching close reading Setting high expectations Changing students views of success Encouraging effort and goal setting Creating an environment that is conducive to learning Using effective grading policies and assessment tools Working with parents colleagues and administrators And much much more Rigor in Your Classroom will be your go to resource throughout the school year as you continually return to it to try new tools with your students Bonus The tools are accompanied by graphic organizers charts templates and reproducibles for easy implementation

Reading to the Core Elaine M. Weber, Cynthia Schofield, 2013-12-27 Close critical and generative reading can be broken down into five key questions that a strategic reader must answer What does the text say How does the author say it What does the text mean What does it mean to me What insights can I now gain In this resource the authors show that insight into these questions is the key to comprehending text The authors provide tools such as mining charts assessments progress monitoring charts and rubrics to strengthen the teaching and use of strategies including guided highlighted reading for craft finding the element of argument in text reading multiple texts for theme and evaluating visual text A culminating chapter provides a blueprint for creating a literacy action plan for classroom school and district that highlights students growth and documents teacher effectiveness

Job-Embedded Professional Development Sally J Zepeda, 2014-09-12 In today's schools teachers are frequently called on to adapt new curricula and instructional practices in their classrooms Making sense of the complexities of teaching occurs primarily during the work day and instead of relying on before or after school one size fits all professional development activities schools must support teachers in learning on the job The latest book from renowned author Sally J Zepeda is written for teachers teacher leaders and school and district leaders who want to support job embedded learning a powerful form of professional development characterized by active learning and reflection grounded in the context of a teachers work environment Job Embedded Professional Development provides a framework for helping teachers stop take a deep breath and learn along the way as they engage in their daily work Through the engaging job embedded learning activities processes and cases from the field explored in this book teachers will immediately be able to Implement what they are learning in the context of their own classrooms Work with supportive peers who can coach them along the way Get feedback on what's working and what needs to be tweaked Learn as adult learners fully capable of making sound professional judgments Engage in conversations that allow teachers to dig deeper into their practices Focus intently on content knowledge and the linkages to instruction and assessment Capitalize on learning in digital learning environments before during and after school Gain confidence in themselves and others through learning together

Creating Capacity for Learning and Equity in Schools Mary Hooper, Victoria Bernhardt, 2016-05-20 Creating Capacity for Learning and Equity in Schools provides a comprehensive guide for aspiring and practicing leaders to strengthen their capacity to create high levels of learning and equity Chapters explore key theories and research provide resources for developing personal and organizational leadership

capacity and guide leaders through a reflective process to help them link theory and practice Hooper and Bernhardt's model for excellence and equity provides a pathway for educators to create and sustain learning communities in schools Exploring three leadership approaches Instructional Adaptive and Transformational this textbook prepares and develops leaders to engage school communities through effective instructional leadership data informed decision making and a vision for learning and equity for all Special Features Theory to Practice T2P Framework A series of structured exercises help readers review and reflect on existing organizational practices and develop new action plans Case Studies Encourage individual reflection and collective discussion on key leadership scenarios Examples in Action Challenge readers to analyze new connections and leadership processes A companion website Includes additional resources and tools for instructors to facilitate activities in the classroom

Caring Hearts and Critical Minds Steven Wolk, 2023-10-10 Imagine if going to school meant more than preparing kids for a test teaching a canned curriculum and training students for their future as workers What if school were also about cultivating students to be caring community involved citizens and critical creative thinkers who love to read In *Caring Hearts Critical Minds* teacher author Steven Wolk shows teachers how to help students become better readers as well as better people I want my students to be thinkers and have rich conversations regarding critical issues in the text and be able to formulate opinions regarding these issues says Leslie Rector a sixth grade teacher who collaborated with Wolk on some of the units featured in this book Wolk demonstrates how to integrate inquiry learning exciting and contemporary literature and teaching for social responsibility across the curriculum He takes teachers step by step through the process of designing an inquiry based literature unit and then provides five full units used in real middle grade classrooms Featuring a remarkable range of recommended resources and hundreds of novels from across the literary genres *Caring Hearts Critical Minds* gives teachers a blueprint for creating dynamic units with rigorous lessons about topics kids care about from media and the environment to personal happiness and global poverty Wolk shows teachers how to find stimulating real world complex texts called for in the Common Core State Standards and integrate them into literature units I know from experience that a great book changes the reader says Karen Tellez an eighth grade teacher featured in the book For me books have helped me escape fall in love recover from heartbreak and have broken open my mind from the age of twelve I hope my students gain better reading comprehension confidence as readers connections to the characters and events a curiosity for the world and tolerance for others *Caring Hearts Critical Minds* shows teachers how to turn these hopes and goals into reality

Creating a Self-Directed Learning Environment Greg Mullen, 2019-11-14 Educate the whole child improve the whole school Implementing evidence based and innovative teaching practices can feel like juggling If you have standards based learning in one hand and social emotional learning in the other what do you do with cognitive development This book shows you how to balance all 3 combining these concepts into manageable realistic plans for success In clear easy to follow language master teacher and educational expert Greg Mullen introduces a flexible three tiered visual

framework designed for schoolwide collaboration He also offers An integrated philosophy focused on self directed learning and the whole child Research sourced from CASEL and state programs and initiatives Attention to academic inclusion behavior intervention and classroom management Numerous illustrations tables and graphics Tools and supplemental resources for implementation Make innovation work for your school With this guide you and your colleagues will build on your strengths discover the potential of your existing programs and implement smart changes that make a real difference for students

Critical Writing Secondary Framework Joseph Burke,2024-11-26 Every secondary education teacher could use a little guidance when it comes to teaching and assessing academic writing Whether English ESL history or even science all teachers requiring students submitting reports of any sort can benefit from the tips and data presented in Critical Writing in the Secondary Classroom Within these pages lies explanations of the importance of summative assessment beyond just formative assessment in the classroom comparing benchmark data in order to measure skill growth and how to share this data with students Parents as well can benefit from learning how their children would be assessed in their writing and understanding the concepts that lie at the heart of the teacher s grading scale New to this edition teachers can learn how to analyze the data of their students writings without the use of EdTech and for free About the Author Joseph Burke has taught in public education since 1995 within different districts in the states of Utah Arizona and California mostly ELA at the high school level He belongs to the professional associations National Council of Teachers of English and the National Education Association Burke holds his BA from Brigham Young University and his graduate degree from Northern Arizona University He is married with two children and currently resides in Utah

Grading for Impact Tom Hierck,Garth Larson,2018-04-04 With a focus on learning rather than performance and the process rather than the product this guide will revolutionize your grading practices and provide clarity of progress

Breaking the Cycle of Dependency in K-12 Education: Using Cognitive Science to Guide Instruction Derek Regensburger,2025-03-04 This book seeks to help teachers convert dependent learners into independent learners who can take control of their own learning Part One instructs teachers on the conditions that create dependent learners as well as the principles of human intelligence and learning It discusses some of the myths and controversies concerning these topics It also analyzes the cognitive science research on how students learn and what educational practices best promote new learning The second half of the book addresses how teachers can create and implement classroom practices that promote the principles of learning and convert dependent learners into independent ones The book offers a holistic approach to teaching focusing on classroom management and relationship building writing and oral communication lesson design and assessment and feedback It also examines how direct instruction methods can be used in conjunction with active learning strategies like project based learning to improve student retention of knowledge and increase motivation and engagement

The Art and Science of Lesson Design John R. Walkup,2020-01-11 The Cognitive Rigor Matrix superposes two of the most common tools used in K 12 education Bloom s Revised Taxonomy and Depth of

Knowledge This matrix has been adopted by numerous state departments of education and national organizations to evaluate the rigor of educational materials The matrix also offers a powerful ability to help teachers plan and carry out standards based lessons that best support student learning This book aimed at secondary school teachers of all subjects provides a systematic means of leveraging the Rigor Cube to develop rigorous standards based lesson plans The approach employed in this book includes the development of culminating activities for students to demonstrate their learning identification of standards based lesson content selection of potentially effective instructional methods and student questioning strategies Special methods for supporting students who are deficient in their background knowledge without undermining the rigor of lessons are also included Sample lessons are included that illustrate every step of the lesson planning process from start to finish These sample lesson plans address state content standards related to the Common Core State Standards both math and English language arts Next Generation Science Standards career technical education standards and art Brilliant Teaching Adeyemi Stenbridge, 2023-07-05 Think like an artist and design a classroom that works well for everyone In Brilliant Teaching you will come to understand that equity when we view it from an informed multi layered and artistic perspective is the essential purpose of teaching As education thought leader Dr Adeyemi Stenbridge argues true equity does not need to defend or justify itself against detractors Teaching for equity means creating student centered opportunities that match the social political and economic context of the learning environment Informed by both theory and extensive collaboration with K 12 teachers Brilliant Teaching will help you develop a deep understanding of culture one that you can leverage in order to be responsive to students This book draws from a range of disciplines including but going well beyond the post modern and critical theory based discourse that dominate conversations today Brilliant Teaching also pulls from art theory cultural psychology cognitive science and learning theory as well as classic historical texts within education With this broad foundation Dr Stenbridge offers an empowering engaging approach that educators can use to help learners reach their own goals and to move society onward and upward Discover practices that you can use to provide vulnerable students with high quality effective and meaningful learning opportunities Learn to empathize with and respond to your students in a way that will engage and empower them in rigorous learning experiences Embrace artful thinking and an integrated understanding of culture in your approach to equity in the classroom View the K 12 classroom with a more expansive mindset and fresh ideas from an expert educator For K 12 educators preservice teachers parents school board members and policymakers this book is a breath of fresh air and inspiration in a world where culturally responsive teaching is increasingly recognized as a must

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