

Webb's Depth of Knowledge

DOK-1

Assessment Ceiling

RECALL AND REPRODUCE

Who?
What?
Where?
When?

DOK-2

Assessment Ceiling

APPLY KNOWLEDGE AND SKILLS / BASIC REASONING

How did it take place?
Why did it take place?
How does it operate?
Why does it operate?

DOK-3

Assessment Ceiling

STRATEGIC THINKING

How can I make use of it to solve a problem?
Why does it solve the problem?
What is the cause, effect, or, reason?
What are the intended and unexpected outcomes?

DOK-4

Assessment Ceiling

EXTENSIVE THINKING

(Thinking creatively to transfer knowledge across content areas and over time.)
What do you think, feel, or believe?
What will or could happen?
What is the relationship?
How did it influence?
What if ?

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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

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 for long term use by school leaders five content rich topic based modules Offer field tested teacher friendly strategies for local school test development Can be used for individual or professional development opportunities Allow for sequential or non sequential use

Learning to Teach in an Era of Privatization Christopher A. Lubienski, T. Jameson Brewer, 2019-07-19 Education policymakers often demonstrate surprisingly little awareness of how popular reforms impact teaching and teacher education In this book well regarded scholars help readers develop a more robust understanding of the nature of teacher preparation as well as an in depth grasp of how popular policies practices and ideologies have taken root domestically and internationally Contributors include Deron Boyles Anthony Cody Kerry Kretchmar Carmen Montecinos Beth Sondel and Christopher Tienken This book will help readers consider the possibilities of democratic visions in the teaching profession and in public education particularly in this time of intense political polarization when critical citizen engagement with our public institutions and policies is deeply needed Janelle Scott University of California Berkeley The chapters in this book make clear that ongoing policy disconnects cannot be ignored and that now is the time to elevate the teaching profession for students who have faced historical inequities Julian Vasquez Heilig dean University of Kentucky College of Education Public teaching and teacher

education in the U S and in many other parts of the world are under assault by concerted efforts to deregulate and marketize them This collection of essays examines the consequences of these privatization efforts in the U S Chile and Singapore and should be required reading for those wanting to understand their complexity and consequences for teaching and teacher education today Ken Zeichner Boeing Professor of Teacher Education University of Washington [Making Every Maths Lesson Count](#) Emma McCrea,2019-05-01 In Making Every Maths Lesson Count Six principles to support great maths teaching experienced maths teacher and lecturer Emma McCrea takes away the guesswork as she sums up the key components of effective maths teaching Maths classrooms are incredibly complex places At any given time the factors influencing the effectiveness of your teaching are boundless and this can lead to relying on intuition as to what might work best This book aims to signpost a route through this complexity Writing in the practical engaging style of the award winning Making Every Lesson Count Emma McCrea helps teachers to move beyond trial and error by sharing evidence informed tips and suggestions on how they can nudge the impact of their teaching in the right direction Making Every Maths Lesson Count is underpinned by six pedagogical principles challenge explanation modelling practice feedback and questioning and presents 52 high impact strategies designed to streamline teacher workload and ramp up the level of challenge in the maths classroom The book draws out the key findings from the latest research on memory learning and 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 *Becoming an Outstanding English Teacher* Kate Sida-Nicholls,2016-08-25 Becoming an Outstanding English Teacher supports all English teachers in offering a wide range of approaches to teaching and learning that will stimulate and engage students in studying English It offers practical strategies that can be used instantly in English lessons The topics offer examples for questioning differentiation and assessing progress Some of the ideas have also been incorporated into lesson plans using texts from the revised English National Curriculum With a strong focus on creativity and engagement this book covers promoting thinking and independent learning skills in students methods to check learning rather than doing in the classroom techniques for personalising learning for students creating an environment for behaviour for learning Fully up to date with the National Curriculum guidelines and packed with practical strategies and activities that are easily accessible this book will be an essential resource for all English teachers who are aiming to deliver outstanding teaching and learning continuously in their classrooms *Cognitive Rigor* Karin K. Hess,Ben S. Jones,Dennis Carlock,John R. Walkup,2009 To teach the rigorous skills

and knowledge students need to succeed in future college entry courses and workforce training programs education stakeholders have increasingly called for more rigorous curricula instruction and assessments Identifying the critical attributes of rigor and measuring its appearance in curricular materials is therefore fundamental to progress in this area By superposing two widely accepted models for describing rigor Bloom s Taxonomy of Educational Objectives and Webb s Depth of Knowledge DOK model this article defines cognitive rigor CR and introduces the CR matrix for analyzing instruction and enhancing teacher lesson planning Two large scale collections of student work samples analyzed using the CR matrix are presented illustrating the preponderance of curricular items aligned to each cell in the matrix Educators should use the cognitive rigor matrix to align the content in their curricular materials to the instructional techniques used in classroom delivery Contains 3 tables and 1 figure

Online Professional Development and Teacher Capacity to Incorporate English Language Arts Assignments Based on Levels 3 and 4 of Webb's Depth of Knowledge Framework

Katrina Denise Taylor,2021 The purpose of this study was to determine the existence of a relationship between online professional development and English language arts ELA teachers instructional practices Professional development is commonly utilized to develop teachers pedagogy but in person sessions do not meet all teachers needs Mixed methods research was utilized to examine relationships between teachers ability to create and incorporate assignments based on levels 3 or 4 of Webb s Depth of Knowledge DOK Framework self efficacy regarding teaching higher order thinking skills and online professional development on those topics The results indicated a moderate positive directional relationship between these components The only statistically significant relationship existed between teachers incorporation of tasks from Webb s DOK levels 3 or 4 and their online professional development performance **CSE Report** ,2006 *Journal for Research in Mathematics Education* ,2014

Alignment Analysis and Content Validity of Wisconsin Alternate Assessment for Students with Disabilities Andrew T. Roach,2003 Teaching Language Arts, Math, & Science to Students with Significant Cognitive Disabilities Diane M. Browder,Fred Spooner,2006 Going beyond functional and access skills this groundbreaking text shows educators how to make the general curriculum accessible and help students progress in academic content areas

Service-learning-- by Degrees Alice Wickersham Terry,Jann Bohnenberger,2007 Then focusing on how teachers as facilitators can maximize the learners experiences Terry and Bohnenberger show how to match a project or program to students needs through differentiation strategies while also matching their combination of skills to the needs of their community *Gronlund's Writing Instructional Objectives* Norman Edward Gronlund,Susan M. Brookhart,2009 Enhanced by numerous examples a guide to writing instructional objectives as intended learning outcomes explains how to state objectives in terms of the type of performance needed by the students to show that the goals of the instruction have been achieved Inspired Learners, Active Minds Dennis J. Kafalas,2008 This guide offers a step by step year long teaching plan that has practical and easy to use best practice strategies for secondary English teachers The book lays out an instructional

model that improves literacy for every single student With this guide teachers will develop reading fluency improve essay and research paper writing and purposefully integrate literature into their classrooms by using student centered lessons and examples *Alternative Access for ELLs* Corey Elizabeth Ray-Subramanian,2007 **Assessment in Singapore:**

Perspectives for classroom practice Poh Guan Toh,See Cheng Leong,2014 Knowledge ,1890 **Science** John Michels (Journalist),2008 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 Research Companion to Principles and Standards for School Mathematics* Jeremy Kilpatrick,Wayne Gary Martin,W. Gary Martin,Deborah Schifter,National Council of Teachers of Mathematics,2003 This useful companion to Principles and Standards is for anyone seeking to explore the underpinnings of that document in the scholarly literature It synthesises a sizeable portion of the professional literature to lend valuable insight into current thinking about school mathematics and presents a comprehensive analysis of what research should be expected to do in setting standards for school mathematics

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