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Stretch student thinking with performance-based tasks. With the continual increase of high-stakes assessments also comes the surge of professional development on designing performance-based tasks. Providing step-by-step insights, this book shows you how to incorporate performance tasks as a tool to teach, monitor, and extend student learning. If you're ready to stretch your students' thinking, grab a copy of this how-to guide to help you: Make instructional decisions based on student performance of learning tasks Incorporate learning progressions as an integral part of planning performance tasks Close the "knowing–doing" gap by focusing on considerations for successful implementation

Assessments, understood as tools for tracking what and how well students have learned, play a critical role in the classroom. Developing Assessments for the Next Generation Science Standards develops an approach to science assessment to meet the vision of science education for the future as it has been elaborated in A Framework for K-12 Science Education (Framework) and Next Generation Science Standards (NGSS). These documents are brand new and the changes they call for are barely under way, but the new assessments will be needed as soon as states and districts begin the process of implementing the NGSS and changing their approach to science education. The new Framework and the NGSS are designed to guide educators in significantly altering the way K-12 science is taught. The Framework is aimed at making science education more closely resemble the way scientists actually work and think, and making instruction reflect research on learning that demonstrates the importance of building coherent understandings over time. It structures science education around three dimensions - the practices through which scientists and engineers do their work, the key crosscutting concepts that cut across disciplines, and the core ideas of the disciplines - and argues that they should be interwoven in every aspect of science education, building in sophistication as students progress through grades K-12. Developing Assessments for the Next Generation Science Standards recommends strategies for developing assessments that yield valid measures of student proficiency in science as described in the new Framework. This report reviews recent and current work in science assessment to determine which aspects of the Framework's vision can be assessed with available techniques and what additional research and development will be needed to support an assessment system that fully meets that vision. The report offers a systems approach to science assessment, in which a range of assessment strategies are designed to answer different kinds of questions with appropriate degrees of specificity and provide results that complement one another. Developing Assessments for the Next Generation Science Standards makes the case that a science assessment system that meets the Framework's vision should consist of assessments designed to support classroom instruction, assessments designed to monitor science learning on a broader scale, and indicators designed to track opportunity to learn. New standards for science education make clear that new modes of assessment designed to measure the integrated learning they promote are essential. The recommendations of this report will be key to making sure that the dramatic changes in curriculum and instruction signaled by Framework and the NGSS reduce inequities in science education and raise the level of science education for all students.

Built on Bloom's Taxonomy, this resource helps middle and high school teachers write measurable, standards-based lesson plan objectives and develop assessments in the content areas.

This book brings together internationally recognised scholars with an interest in how to use the power of assessment to improve student learning and to engage with accountability priorities at both national and global levels. It includes distinguished writers who have worked together for some two decades to shift the assessment paradigm from a dominant focus on assessment as measurement towards assessment as central to efforts to improve learning. These writers have worked with the teaching profession and, in so doing, have researched and generated key insights into different ways of understanding assessment and its relationship to learning. The volume contributes to the theorising of assessment in contexts characterised by heightened accountability requirements and constant change. The book's structure and content reflect already significant and growing international interest in assessment as contextualised practice, as well as theories of learning and teaching that underpin and drive particular assessment approaches. Learning theories and practices, assessment literacies, teachers' responsibilities in assessment, the role of leadership, and assessment futures are the organisers within the book's structure and content. The contributors to this book have in common the view that quality assessment, and quality learning and teaching are integrally related. Another shared view is that the alignment of assessment with curriculum, teaching and learning is linchpin to efforts to improve both learning opportunities and outcomes for all. Essentially, the book presents new perspectives on the enabling power of assessment. In so doing, the writers recognise that validity and reliability - the traditional canons of assessment – remain foundational and therefore necessary. However, they are not of themselves sufficient for quality education. The book argues that assessment needs to be radically reconsidered in the context of unprecedented societal change. Increasingly, communities are segregating more by wealth, with clear signs of social, political, economic and environmental instability. These changes raise important issues relating to ethics and equity, taken to be core dimensions in enabling the power of assessment to contribute to quality learning for all. This book offers readers new knowledge about how assessment can be used to re/engage learners across all phases of education.

A comprehensive resource for assessment practitioners, this book provides step-by-step guidance for developing, administering, scoring, and validating a range of performance tasks, including literacy and other types of proficiency assessments. The authors explore how to establish the purpose of the assessment and how to develop scoring tools, train raters, reduce rater bias, review scores and report results, and use item-level and test-level

analyses to optimize reliability and validity. Clearly written and well organized, the book includes many practical examples and accessible explanations of concepts and statistical procedures. It encompasses the breadth of applications of performance assessment today, from educational testing and the credentialing of professionals to research and program evaluation. User-friendly features include: *Checklists of activities to complete at each stage of a performance assessment *End-of-chapter questions to facilitate self-study *Annotated suggestions for further reading *A quick-reference glossary of terms *Examples drawn from multiple educational and professional licensure contexts

Designing and Assessing Courses and Curricula reflects the most current knowledge and practice in course and curriculum design and connects this knowledge with the critical task of assessing learning outcomes at both course and curricular levels. This thoroughly revised and expanded third edition of the best-selling book positions course design as a tool for educational change and contains a wealth of new material including new chapters, case examples, and resources.

Higher education professionals have moved from teaching- to learning-centered models for designing and assessing courses and curricula. Faculty work collaboratively to identify learning objectives and assessment strategies, set standards, design effective curricula and courses, assess the impact of their efforts on student learning, reflect on results, and implement appropriate changes to increase student learning. Assessment is an integral component of this learner-centered approach, and it involves the use of empirical data to refine programs and improve student learning. Based on the author's extensive experience conducting assessment training workshops, this book is an expansion of a workshop/consultation guide that has been used to provide assessment training to thousands of busy professionals. Assessing Academic Programs in Higher Education provides a comprehensive introduction to planning and implementing the assessment of college and university academic programs. Written for college and university administrators, assessment officers, department chairs, and faculty who are involved in developing and implementing assessment programs, this book is a realistic, pragmatic guide for developing and implementing meaningful, manageable, and sustainable assessment programs that focus faculty attention on student learning. This book will: * Guide readers through all steps in the assessment process * Provide a balanced review of the full array of assessment strategies * Explain how assessment is a crucial component of the teaching and learning process * Provide examples of successful studies that can be easily adapted * Summarize key assessment terms in an end-of-book glossary

Accessibly written and featuring illustrative case examples, this book provides a complete guide to curriculum-based assessment for instructional design (CBA-ID). CBA-ID comprises easy-to-implement, reliable, and valid procedures for determining a student's instructional level and individualizing instruction by developing tasks that are neither too hard nor too easy. It is a key tool for supporting K-8 students who are struggling in reading, math, or writing, and is ideally suited for intervention planning within multi-tiered systems of support. Including reproducible forms, the print book has a large-size format and lay-flat binding to facilitate photocopying. Purchasers also get access to a Web page where they can download and print the reproducible materials. This book is in The Guilford Practical Intervention in the Schools Series.

Systems for Space Defense Initiative (SDI) space applications typically require both high performance and very high reliability. These requirements present the system engineer evaluating such systems with the extremely difficult problem of conducting performance and reliability trade-offs over large design spaces. A controlled development process supported by appropriate automated tools must be used to assure that the system will meet design objectives. This report will describe an investigation which examined methods, tools, and techniques necessary to support performance and reliability modeling for SDI systems development. Models of the JPL Hypercube, the Encore Multimac, and the C.S. Draper Lab Fault-Tolerant Parallel Processor (FTPP) parallel computing architectures using candidate SDI weapons-to-target assignment algorithms as workloads were built and analyzed as a means of identifying the necessary system models, how the models interact, and what experiments and analyses should be performed. As a result of this effort, weaknesses in the existing methods and tools were revealed and capabilities that will be required for both individual tools and an integrated toolset were identified.

Written with the faculty member in mind, this book provides specific guidelines for every phase of the planning process. With more than fifty percent new material, this revised edition provides many examples and how-to guidance. Plus, it features entirely new sections dealing with diversity, multi--culturalism, and technology. Also contains checklists, worksheets, tables, and figures to assist in the planning process. Copyright © Libri GmbH. All rights reserved.

This is one of the ten books that is part of the Assessment Kit. The purpose of this book is to talk to teachers about classroom assessment from a natural perspective-that of instruction and children. Classroom teachers are often somewhat anxious and fearful about assessment, especially testing, but they are comfortable with the ideas of their own instruction and their students. If a book on classroom assessment starts from their areas of strength and shows how assessment is a natural extension of those strengths, then the message of how to improve classroom assessment and make it work for instruction and children can be better received.

Written by Rena M. Palloff and Keith Pratt, experts in the field of online teaching and learning, this hands-on resource helps higher education professionals understand the fundamentals of effective online assessment. It offers guidance for designing and implementing creative assessment practices tied directly to course activities to measure student learning. The book is filled with illustrative case studies, authentic assessments based in real-life application of concepts, and collaborative activities that assess the quality of student learning rather than relying on the traditional methods of mea-

suring the amount of information retained.

Presents a multifaceted model of understanding, which is based on the premise that people can demonstrate understanding in a variety of ways.

"This resource is a well constructed introduction to learner-centered assessment, complete with practical, ready-to-implement assessment techniques. Designed to bring you up to speed quickly, the book is grounded in the principles of constructivist learning theory and continuous improvement. It helps you to connect with what you already know about assessment, integrate that knowledge with new information, and try new approaches to enhance your students' learning. You see clearly what it means to shift from a teacher-centered paradigm of instruction to a learner-centered paradigm."--BOOK JACKET.

The need for a cohesive and comprehensive curriculum that intentionally connects standards, instruction, and assessment has never been more pressing. For educators to meet the challenging learning needs of students they must have a clear road map to follow throughout the school year. Rigorous Curriculum Design presents a carefully sequenced, hands-on model that curriculum designers and educators in every school system can follow to create a progression of units of study that keeps all areas tightly focused and connected.

Fifteen years ago Trudy Banta and her colleagues surveyed thenational landscape for the campus examples that were published inthe classic work Assessment in Practice. Since then, significantadvances have occurred, including the use of technology to organizeand manage the assessment process and increased reliance onassessment findings to make key decisions aimed at enhancingstudent learning. Trudy Banta, Elizabeth Jones, and Karen Blackoffer 49 detailed current examples of good practice in planning,implementing, and sustaining assessment that are practical andready to apply in new settings. This important resource can helpeducators put in place an effective process for determining whatworks and which improvements will have the most impact in improvingcurriculum, methods of instruction, and student services on collegeand university campuses. "Institutional researchers, accreditation committee members,faculty, and all the rest of us working to assess student learningwill be inspired by the examples of good practices set in ascholarly context by Banta, Jones, and Black." —Randy L.Swing, executive director, Association for InstitutionalResearch "The authors' long and deep experience in assessment hasinformed this wonderful resource, which combines overarchingprinciples of effective assessment with concrete case studies drawnfrom diverse institutions. Readers will learn how to go beyondusing standardized test scores as the sole measure of learning, howto establish classroom-based assessment, how to use multipleassessment data for improvement, and how to get faculty involved inthe process." —Barbara E. Walvoord, author, Effective Gradingand Assessment Clear and Simple "Higher education's preeminent assessment scholars have done itagain, responding to growing requests for assessment models andexamples of good practice with an extensive array of meaningful,practical profiles. No matter what your institution's mission, andno matter where you are in the assessment process, you will find awealth of ideas here." —Linda Suskie, author, AssessingStudent Learning: A Common Sense Guide

Educators across grade levels and content areas can apply the concepts of Marzano's New Taxonomy to turn standards into concrete objectives and assessments to measure student learning.

This book provides an introduction and helpful guide to online education for librarians and educators in the K-12, public, and academic library settings. Today's librarians must be comfortable working in online learning environments, teaching information literacy courses, and supporting online students across curricula. With the rapid proliferation of the Internet and online technologies in the last decade, however, it is not uncommon for some library professionals to feel left behind. Designing Online Learning: A Primer for Librarians provides best practices for librarians who are unfamiliar with online education and need guidance in either developing an online course or providing support to faculty and students in online courses. This book offers practical guidance for librarians and educators serving a variety of users, including students and teachers in the K-12, public, and academic library communities. The authors provide a valuable introduction to online teaching and learning that details elementary technologies and technical standards, utilizes case studies that showcase successful programs, and identifies best practices for design, instructor development, and student assessment.

Practical and accessible, this book comprehensively covers everything you need to know to design, develop, and deliver successful online, blended, and flipped language courses. Grounded in the principles of instructional design and communicative language teaching, this book serves as a compendium of best practices, research, and strategies for creating learner-centered online language instruction that builds students' proficiency within meaningful cultural contexts. This book addresses important topics such as finding and optimizing online resources and materials, learner engagement, teacher and student satisfaction and connectedness, professional development, and online language assessment. Teaching Language Online features: A step-by-step guide aligned with the American Council on the Teaching of Foreign Languages (ACTFL), the Common European Framework of Reference (CEFR) for Languages: Learning, Teaching and Assessment, and the World-Class Instructional Design and Assessment (WIDA) standards Research-based best practices and tools to implement effective communicative language teaching (CLT) online Strategies and practices that apply equally to world languages and ESL/EFL contexts Key takeaway summaries, discussion questions, and suggestions for further reading in every chapter Free, downloadable eResources with further readings and more materials available at www.routledge.com/ 9781138387003 As the demand for language courses in online or blended formats grows, K-16 instructors urgently need resources to effectively transition their teaching online. Designed to help world language instructors, professors, and K-12 language educators regardless of their level of experience with online learning, this book walks through the steps to move from the traditional classroom format to effective, successful online teaching environments.

Teachers spend much of their time on assessment, yet many higher education teachers have received minimal guidance on assessment design and marking. This means assessment can often be a source of stress and frustration. Assessment and Feedback in Higher Education aims to solve these problems. Offering a concise overview of assessment theory and practice, this guide provides teachers with the help they need.

Rethink traditional teaching methods to improve student learning and retention in STEM Educational research has repeatedly shown that compared to traditional teacher-centered instruction, certain learner-centered methods lead to improved learning outcomes, greater development of critical high-level skills, and increased retention in science, technology, engineering, and mathematics (STEM) disciplines. Teaching and Learning STEM presents a trove of practical research-based strategies for designing and teaching STEM courses at the university, community college, and high school levels.

The book draws on the authors' extensive backgrounds and decades of experience in STEM education and faculty development. Its engaging and well-illustrated descriptions will equip you to implement the strategies in your courses and to deal effectively with problems (including student resistance) that might occur in the implementation. The book will help you: Plan and conduct class sessions in which students are actively engaged, no matter how large the class is Make good use of technology in face-to-face, online, and hybrid courses and flipped classrooms Assess how well students are acquiring the knowledge, skills, and conceptual understanding the course is designed to teach Help students develop expert problem-solving skills and skills in communication, creative thinking, critical thinking, high-performance teamwork, and self-directed learning Meet the learning needs of STEM students with a broad diversity of attributes and backgrounds The strategies presented in Teaching and Learning STEM don't require revolutionary time-intensive changes in your teaching, but rather a gradual integration of traditional and new methods. The result will be continual improvement in your teaching and your students' learning. More information about Teaching and Learning STEM can be found at http://educationdesignsinc.com/book including its preface, foreword, table of contents, first chapter, a reading guide, and reviews in 10 prominent STEM education journals.

This text is intended for the large group of non-measurement professionals who need to know about creating assessment tools and using them for decision-making. Teachers, administrators, and instructional support personnel will find that this book provides a balanced treatment of design, validation and use of assessment tools for varied learning outcomes and needs. This treatment includes traditional and alternative assessments. The book is straightforward and applied with minimal statistical content. Numerous examples, case studies, tables, figures, and a Web site with chapter highlights and exercises support the applied focus of this book. Psychologists or those involved with educational psychology.

Authentic Assessment: Designing Performance-Based Tasks combines performance tasks that are relevant to students' lives with the need for accountability. The book explores common language arts expectations and shows teachers how to choose activities and tasks that will guide students towards achieving important learning outcomes. Authentic Assessment: Designing Performance-Based Tasks is organized around three unit themes - making connections with literature, exploring the universal concept of community, and understanding persuasive techniques in the media. The performance tasks will appeal to students and enable students to meet key focus goals and expectations. Designed for the busy teacher, the book includes reproducible planning sheets, rubrics, and student surveys. Excellent samples of student work based on performance tasks complement this remarkable book.

Course Design and Assessment offers design strategies, educator-in-action perspectives, and real-world suggestions for engaged educators, creating inclusive and meaningful learning opportunities and developmental student growth. With a brief history situating engaged learning among educational models, the book shows the vital and practical connections between an educator's overall learning philosophy and their pedagogical choices. The authors unpack the definitions and practices common to engaged learning, exploring the assumptions educators make about students, teaching, learning, and instructional contexts that underlie engaged educators' pedagogical decisions. Ultimately a vehicle for inclusive learning and transparent design, the book outlines pre-course planning steps, suggestions for adjusting the course mid-stream, and a thorough discussion of assessment activities with planning and implementation steps.

This book takes a fresh look at programs for advanced studies for high school students in the United States, with a particular focus on the Advanced Placement and the International Baccalaureate programs, and asks how advanced studies can be significantly improved in general. It also examines two of the core issues surrounding these programs: they can have a profound impact on other components of the education system and participation in the programs has become key to admission at selective institutions of higher education. By looking at what could enhance the quality of high school advanced study programs as well as what precedes and comes after these programs, this report provides teachers, parents, curriculum developers, administrators, college science and mathematics faculty, and the educational research community with a detailed assessment that can be used to guide change within advanced study programs.

A clear and concise course design is integral to effective student learning, however designing curriculum can be a daunting task for academics. Effective Unit Design for Higher Education Courses is a practical resource based on theoretical foundations, designed to assist both professional course designers and academics with varied levels of curriculum design and development experience or background in higher education units and courses. This book provides a variety of practical advice, skills and resources to assist academics in designing curriculum that focuses on enhancing student learning. Readers are given a range of evidence based developmental tools that challenge some of the currently accepted conventions behind unit design. Appropriate for any skill level, this book is designed to provide an accessible and structured process to design or revitalise high-quality units of study. Chapters cover a range of topics including developing assessment methods, strategies for providing feedback and evaluating unit design. The book has been structured to follow a design process, but as unit design is non- linear chapters can be read in any order depending on interest or need. An essential guide for curriculum designers of all skill and experience levels, this book will appeal to all higher education academics tasked with an aspect of unit design.

"The work describes various assessment methods and provides examples of various assessment tools that have been utilized by a variety of programs. Valuable for faculty and administrators who are concerned with satisfying the ABET accreditation requirements in engineering and technology programs. Recommended." Choice"

While there is consensus that institutions need to represent their educational effectiveness through documentation of student learning, the higher education community is divided between those who support national standardized tests to compare institutions' educational effectiveness, and those who believe that valid assessment of student achievement is based on assessing the work that students produce along and at the end of their educational journeys. This book espouses the latter philosophy—what Peggy Maki sees as an integrated and authentic approach to providing evidence of student learning based on the work that students produce along the chronology of their learning. She believes that assessment needs to be humanized, as opposed to standardized, to take into account the demographics of institutions, as students do not all start at the same place in their learning. Students also need the tools to assess their own progress. In addition to updating and expanding the contents of her first edition to reflect changes in assessment practices and developments over the last seven years, such as the development of technology-enabled assessment methods

and the national need for institutions to demonstrate that they are using results to improve student learning, Maki focuses on ways to deepen program and institution-level assessment within the context of collective inquiry about student learning. Recognizing that assessment is not initially a linear start-up process or even necessarily sequential, and recognizing that institutions develop processes appropriate for their mission and culture, this book does not take a prescriptive or formulaic approach to building this commitment. What it does present is a framework, with examples of processes and strategies, to assist faculty, staff, administrators, and campus leaders to develop a sustainable and shared core institutional process that deepens inquiry into what and how students learn to identify and improve patterns of weakness that inhibit learning. This book is designed to assist colleges and universities build a sustainable commitment to assessing student learning at both the institution and program levels. It provides the tools for collective inquiry among faculty, staff, administrators and students to develop evidence of students' abilities to integrate, apply and transfer learning, as well as to construct their own meaning. Each chapter also concludes with (1) an Additional Resources section that includes references to meta-sites with further resources, so users can pursue particular issues in greater depth and detail and (2) worksheets, guides, and exercises designed to build collaborative ownership of assessment. The second edition now covers: * Strategies to connect students to an institution's or a program's assessment commitment * Description of the components of a comprehensive institutional commitment that engages the institution, educators, and students--all as learners * Expanded coverage of direct and indirect assessment methods, including technology-enabled methods that engage students in the process * New case studies and campus examples covering undergraduate, graduate education, and the co-curriculum * New chapter with case studies that presents a framework for a backward designed problem-based assessment process, anchored in answering open-ended research or study questions that lead to improving pedagogy and educational practices * Integration of developments across professional, scholarly, and accrediting bodies, and disciplinary organizations * Descriptions and illustrations of assessment management systems * Additional examples, exercises, guides and worksheets that align with new content

Few faculty members in academic medical centers are formally prepared for their roles as teachers. This work is an introductory text designed to provide medical teachers with the core concepts of effective teaching practice and information about innovations for curriculum design, delivery and assessment. It offers brief, focused chapters with content that is assimilated easily by the reader. The topics are relevant to basic science and clinical teachers and the work does not presume readers possess prerequisite knowledge of education theory or instructional design. The authors emphasize the application of concepts to teaching practice. Topics include: Facilitating Student Learning; Teaching Large Groups; Teaching in Small Groups; Flipping the Classroom; Problem-Based Learning; Teaching Clinical Skills; Team-Based Learning; Teaching with Simulation; Teaching with Practicals and Labs; Teaching with Technological Tools; Teaching to Develop Scientific Engagement in Medical Students; Designing a Course; Establishing and Teaching Elective Courses; Designing Global Health Experiences; Assessing Student Performance; Documenting the Trajectory of Your Teaching and Teaching as Scholarship. This is a complete revision of the first edition of this work with new chapters and up to date information. Similar to the first edition, chapters were written by leaders in medical education and research who draw upon extensive professional experience and the literature on best practices in education. Although designed for teachers, the work reflects a learner-centered perspective and emphasizes outcomes for student learning. The book is accessible and visually interesting and the work contains information that is current, but not time-sensitive. Each chapter concludes with references, many include recommendations for additional reading, and the work includes an appendix with resources for medical education.

Basic principles and practical strategies to promote learning in any setting! From K-12 to corporate training settings--the Third Edition of Patricia Smith and Tillman Ragan's thorough, research-based text equips you with the solid foundation you need to design instruction and environments that really facilitate learning. Now updated to reflect the latest thinking in the field, this new edition offers not only extensive procedural assistance but also emphasizes the basic principles upon which most of the models and procedures in the instructional design field are built. The text presents a comprehensive treatment of the instructional design process, including analysis, strategy design, assessment, and evaluation.

This book constitutes the proceedings of the 15th European Conference on Technology Enhanced Learning, EC-TEL 2020, held in Heidelberg, Germany, in September 2020. The 24 research papers and 20 demo and 5 poster papers presented in this volume were carefully reviewed and selected from 91 submissions. The European Conference on Technology-Enhance Learning, which celebrates its 15th anniversary this year, is committed to address global challenges and quality education. The papers deal with the Sustainable Development Goals, particularly SDG 4 and SDG 10, to help to reduce the existing gaps and inequalities between countries and regions from around the world in terms of inclusiveness, equity, access, and quality of education. The chapters: "Designing an Online Self-Assessment for Informed Study Decisions: The User Perspective"; "Living with Learning Difficulties: Two Case Studies Exploring the Relationship Between Emotion and Performance in Students With Learning Difficulties"; "Applying Instructional Design Principles on Augmented Reality Cards for Computer Science Education"; and "Teaching Simulation Literacy With Evacuations - Concept, Technology, and Material for a Novel Approach" are available open access under a Creative Commons Attribution 4.0 International License via link.springer.com. Due to the Corona pandemic EC-TEL 2020 was held as an virtual event.

Fifteen years ago Trudy Banta and her colleagues surveyed the national landscape for the campus examples that were published in the classic work Assessment in Practice. Since then, significant advances have occurred, including the use of technology to organize and manage the assessment process and increased reliance on assessment findings to make key decisions aimed at enhancing student learning. Trudy Banta, Elizabeth Jones, and Karen Black offer 49 detailed current examples of good practice in planning, implementing, and sustaining assessment that are practical and ready to apply in new settings. This important resource can help educators put in place an effective process for determining what works and which improvements will have the most impact in improving curriculum, methods of instruction, and student services on college and university campuses.

In response to the No Child Left Behind Act of 2001 (NCLB), Systems for State Science Assessment explores the ideas and tools that are needed to assess science learning at the state level. This book provides a detailed examination of K-12 science assessment: looking specifically at what should be measured and how to measure it. Along with reading and mathematics, the testing of science is a key component of NCLBâ€"it is part of the national effort to establish challenging academic content standards and develop the tools to measure student progress toward higher achievement. The book will be a critical resource for states that are designing and implementing science assessments to meet the 2007-2008 requirements of NCLB. In addition to offering important information for states, Systems for State Science Assessment provides policy makers, local schools, teachers, scientists, and parents with a broad view of the role of testing and assessment in science education.

Covering the major content areas, this resource shows how to develop measurable, standards-based lesson objectives and appropriate assessments that tap into all levels of Bloom's Taxonomy.

This important book answers the growing call for US institutions to internationalize, create global citizens, and better serve diverse populations. Faculty are increasingly tasked with simultaneously encouraging a more inclusive worldview, facilitating classroom environments that harness the potential of students, and advising students who may need an array of university services or speak English as an additional language. Teaching with a Global Perspective is an accessible, hands-on tool for faculty and instructors seeking to facilitate global classroom environments and to offer diverse students the academic, language, and interpersonal support needed for success. Rich with practical features including Classroom Strategies, Assessments, Case studies, Discussion Questions, and suggestions for further reading in bibliographies, chapters address: developing a working understanding of global learning and inclusivity; identifying opportunities and barriers to helping students grow as global citizens; building confidence in teaching with a global perspective; facilitating courses and in-class participation that promote global and inclusive learning and communication between diverse populations; designing curricula, courses, assignments, and assessments that foster global and inclusive learning and support students with varied needs; and providing facilitative responses to students' academic work. Teaching with a Global Perspective bridges an important divide in discussions about globalizing curricula by developing readers' content knowledge while also helping them to develop more effective global communication strategies.

The first edition of Assessing Student Learning has become the standard reference for college faculty and administrators who are charged with the task of assessing student learning within their institutions. The second edition of this landmark book offers the same practical guidance and is designed to meet ever-increasing demands for improvement and accountability. This edition includes expanded coverage of vital assessment topics such as promoting an assessment culture, characteristics of good assessment, audiences for assessment, organizing and coordinating assessment, assessing attitudes and values, setting benchmarks and standards, and using results to inform and improve teaching, learning, planning, and decision making.

The mission of higher education in the 21st century must focus on optimizing learning for all students. In a shift from prioritizing effective teaching to active learning, it is understood that computer-enhanced environments provide a variety of ways to reach a wide range of learners who have differing backgrounds, ages, learning needs, and expectations. Integrating technology into teaching assumes greater importance to improve the learning experience. Optimizing Higher Education Learning Through Activities and Assessments is a collection of innovative research that explores the link between effective course design and student engagement and optimizes learning and assessments in technology-enhanced environments and among diverse student populations. Its focus is on providing an understanding of the essential link between practices for effective "activities" and strategies for effective "assessments," as well as providing examples of course designs aligned with assessments, positioning college educators both as leaders and followers in the cycle of lifelong learning. While highlighting a broad range of topics including collaborative teaching, active learning, and flipped classroom methods, this book is ideally designed for educators, curriculum developers, instructional designers, administrators, researchers, academicians, and students.

How can we help teachers use classroom assessments to gather appropriate evidence for all valued learning goals, and to use those assessments not just to measure learning but to promote it? This book provides an answer in a practical, proven, and principled Assessment Planning Framework that moves away from solely multiple-choice tests toward a wide range of approaches to classroom assessment activities, including performance-based assessments. The Framework examines four different types of learning goals, considers various purposes and audiences for assessment information, reviews five categories of classroom assessment methods, and presents options for communicating actionable results. To the authors, the primary purpose of classroom assessment is to inform teaching and learning, rather than simply to assign grades. This concise resource will be a reliable go-to reference for teachers, school leaders, mentors, and coaches in guiding classroom assessment practices and understanding their underlying principles. Book Features: Builds on the classic book Understanding by Design, written by Grant Wiggins and Jay McTighe.Offers a practical, nontechnical presentation appropriate for teacher preparation and busy practitioners (K–16).Explores different purposes for, and methods of, classroom assessment and grading.Addresses assessment of academic standards as well as transdisciplinary outcomes, such as 21st-century skills.Describes the principles and practices underlying standards-based grading.

As teaching strategies continue to change and evolve, and technology use in classrooms continues to increase, it is imperative that their impact on student learning is monitored and assessed. New practices are being developed to enhance students' participation, especially in their own assessment, be it through peer-review, reflective assessment, the introduction of new technologies, or other novel solutions. Educators must remain up-to-date on the latest methods of evaluation and performance measurement techniques to ensure that their students excel. Learning and Performance Assessment: Concepts, Methodologies, Tools, and Applications is a vital reference source that examines emerging perspectives on the theoretical and practical aspects of learning and performance-based assessment techniques and applications within educational settings. Highlighting a range of topics such as learning outcomes, assessment design, and peer assessment, this multi-volume book is ideally designed for educators, administrative officials, principals, deans, instructional designers, school boards, academicians, researchers, and education students seeking coverage on an educator's role in evaluation design and analyses of evaluation methods and outcomes.