

Formative Assessment Promises Or Problems

An essential resource for student and teacher clarity With the ever-changing landscape of education, teachers and leaders often find themselves searching for clarity in a sea of standards, curriculum resources, and competing priorities. Clarity for Learning offers a simple and doable approach to developing clarity and sharing it with students through five essential components: crafting learning intentions and success criteria co-constructing learning intentions and success criteria with learners creating opportunities for students to respond effective feedback on and for learning students and teachers sharing learning and progress The book is full of examples from teachers and leaders who have shared their journey, struggles, and successes for readers to use to propel their own work forward.

The International Handbook of Research on Teachers and Teaching provides a fresh look at the ever changing nature of the teaching profession throughout the world. This collection of over 70 articles addresses a wide range of issues relevant for understanding the present educational climate in which the accountability of teachers and the standardized testing of students have become dominant.

This book brings together leading scholars from around the world to provide their most influential thinking on instructional feedback. The chapters range from academic, in-depth reviews of the research on instructional feedback to a case study on how feedback altered the life-course of one author. Furthermore, it features critical subject areas - including mathematics, science, music, and even animal training - and focuses on working at various developmental levels of learners. The affective, non-cognitive aspects of feedback are also targeted; such as how learners react emotionally to receiving feedback. The exploration of the theoretical underpinnings of how feedback changes the course of instruction leads to practical advice on how to give such feedback effectively in a variety of diverse contexts. Anyone interested in researching instructional feedback, or providing it in their class or course, will discover why, when, and where instructional feedback is effective and how best to provide it.

This book defines and describes a new discipline, named “computational psychometrics,” from the perspective of new methodologies for handling complex data from digital learning and assessment. The editors and the contributing authors discuss how new technology drastically increases the possibilities for the design and administration of learning and assessment systems, and how doing so significantly increases the variety, velocity, and volume of the resulting data. Then they introduce methods and strategies to address the new challenges, ranging from evidence identification and data modeling to the assessment and prediction of learners’ performance in complex settings, as in collaborative tasks, game/simulation-based tasks, and multimodal learning and assessment tasks. Computational psychometrics has thus been defined as a blend of theory-based psychometrics and data-driven approaches from machine learning, artificial intelligence, and data science. All these together provide a better methodological framework for analysing complex data from digital learning and assessments. The term “computational” has been widely adopted by many other areas, as with computational statistics, computational linguistics, and computational economics. In those contexts, “computational” has a meaning similar to the one proposed in this book: a data-driven and algorithm-focused perspective on foundations and theoretical approaches established previously, now extended and, when necessary, reconceived. This interdisciplinarity is already a proven success in many disciplines, from personalized medicine that uses computational statistics to personalized learning that uses, well, computational psychometrics. We expect that this volume will be of interest not just within but beyond the psychometric community. In this volume, experts in psychometrics, machine learning, artificial intelligence, data science and natural language processing illustrate their work, showing how the interdisciplinary expertise of each researcher blends into a coherent methodological framework to deal with complex data from complex virtual interfaces. In the chapters focusing on methodologies, the authors use real data examples to demonstrate how to implement the new methods in practice. The corresponding programming codes in R and Python have been included as snippets in the book and are also available in fuller form in the GitHub code repository that accompanies the book.

New Orleans After the Promises

Mentoring Teachers in the Primary School

Theory and Applications

International Responses to Evidence from the UK Teaching & Learning Research Programme

Clarity for Learning

Ideas for Children Aged 5 to 14

A Companion to School Experience

At the International Meeting of the Psychometric Society in Osaka, Japan, more than 300 participants from 19 countries gathered to discuss recent developments in the theory and application of psychometrics. This volume of proceedings includes papers on methods of psychometrics such as the structural equation model and item response theory. The book is in eight major sections: keynote speeches and invited lectures; structural equation modeling and factor analysis; IRT and adaptive testing; multivariate statistical methods; scaling; classification methods; and independent and principal component analysis. The 80 papers collected here provide a valuable source of information for all who are concerned with psychometrics, mathematical and statistical applications, and data analysis in psychological and behavioral sciences.

Carol Ann Tomlinson and Tonya R. Moon take an in-depth look at assessment and show how differentiation can improve the process in all grade levels and subject areas. After discussing differentiation in general, the authors focus on how differentiation applies to various forms of assessment--pre-assessment, formative assessment, and summative assessment--and to grading and report cards. Readers learn how differentiation can --Capture student interest and increase motivation --Clarify teachers' understanding about what is most important to teach --Enhance students' and teachers' belief in student learning capacity; and --Help teachers understand their students' individual similarities and differences so they can reach more students, more effectively Throughout, Tomlinson and Moon emphasize the importance of maintaining a consistent focus on the essential knowledge, understandings, and skills that all students must acquire, no matter what their starting point. Detailed scenarios illustrate how assessment differentiation can occur in three realms (student readiness, interest, and learning style or preference) and how it can improve assessment validity and reliability and decrease errors and teacher bias. Grounded in research and the authors' teaching experience, Assessment and Student Success in a Differentiated Classroom outlines a common-sense approach that is both thoughtful and practical, and that empowers teachers and students to discover, strive for, and achieve their true potential.

Offers both theoretical and pragmatic solutions to obstacles associated with developing, implementing,

and using computer-based training for restructuring education. The contributors represent the entire spectrum of professionals associated with the medium--developers, evaluators, instructional designers, school administrators, and schoolteachers. Annotation copyrighted by Book News, Inc., Portland, OR Increased emphasis in many school systems on formal testing to mark student achievement and hold teachers accountable has begun to heighten concern among many educational policy makers, assessment specialists, and classroom teachers over questions of access and fairness, particularly for learners from culturally different backgrounds and those with a history of academic struggles. This situation echoes that faced by the Russian psychologist L. S. Vygotsky nearly ninety years ago in his efforts to understand processes of development and meet the needs of all learners. His famous proposal of the Zone of Proximal Development (ZPD) holds that assessments must take account not only of abilities that have fully formed but also those that are still emerging. The diagnostic value of the ZPD lies in identifying the underlying source of learner difficulties as well as their future potential. Since Vygotsky's time, psychologists and educators have devised a range of practices for engaging with learners in ZPD activity that have come to be known as Dynamic Assessment (DA). In DA, assessors go beyond observations of independent performance and engage cooperatively with learners to both understand and support their development. This process is in full evidence in the papers in this collection, which offers a cross section of applications of DA with diverse populations, including special needs learners, immigrant and minority students, and second language learners. While these papers may be read as cutting-edge academic research, they also represent a commitment to going beyond manifest difficulties and failures to help individuals construct a more positive future. This book was originally published as a special issue of *Assessment in Education: Principles, Policy & Practice*.

Fair Isn't Always Equal

Classroom Assessment & Grading that Work

Five Essential Practices That Empower Students and Teachers

A companion to school experience

Curriculum and Assessment

The School Leader's Guide for Sustaining Change While Managing Resistance

Learning from Experience

This book discusses instruction, learning, and assessment in higher education with an emphasis on several effective formative assessment tools and methods such as digital badges, reflective journals, and peer assessment used in learning environments comprising students of diverse, multicultural backgrounds. Each chapter provides a rich theoretical review, followed by a case study detailing the challenges involved in using those assessment methods in a diverse classroom, as well as practical suggestions for removing potential barriers, especially for minority students. Most of the narrated case studies are accompanied by episodes, thoughts, and feelings expressed by both students and instructors throughout the assessment processes. This book provides a valuable updated reference source for pedagogical and research purposes for a wide audience. Students, teachers, policymakers, curriculum designers, and teacher educators interested in fostering initiatives in higher education can undoubtedly benefit from this book's contents, which are aimed at adapting teaching–learning assessment processes to the unique learning needs of culturally diverse student populations.

Every school is different, but all schools face very similar challenges. Drawing on their combined teaching experience of over fifty years in both independent and state schools, educationalists David James and Ian Warwick have chosen ten questions that tackle the most difficult challenges that face schools today, and invited leading education experts to address them in stimulating and accessible essays, which are each under a thousand words. With contributions from John Hattie, David Blunkett, Doug Lemov, Anthony Seldon, Sandy Speicher, Tim Hawkes and many more, this insightful and engaging book features exclusive essays with some of the world's most well-known and well-respected thinkers and speakers in education, business and politics, accompanied by thought-provoking introductions. The contributors provide new perspectives on some of the issues that occupy educationalists today; they challenge conventional wisdom and, above all, put forward practical, workable, evidence-based solutions that can transform teaching and learning. World Class is a powerful manifesto for change that nobody interested in education today can ignore.

"This book discusses the potential of meta-communication models for building and managing reflective online conversations among distance learners, offering models for meta-communication, distance education, and reflective online conversations"--Provided by publisher.

'This is a fascinating and very useful book....I cannot recommend it highly enough. It will inspire you' - School Science Review By focusing on active ways to help 5 to 14 year olds improve their thinking and learning skills in science, this book provides teachers with inspiration and ideas for ways to teach creative, enjoyable and interesting science lessons. Linked to up-to-date research in brain-based learning, the author gives practical advice on topics including: o ways to motivate pupils o developing pupils' skills of detection o the importance of using movement to promote learning o improving pupils' language skills and understanding of scientific vocabulary o suggestions for different ways learners can record in science o effective strategies for assessing learning in science o ideas to promote creativity o the importance of using ICT to support and promote learning. This book is an inspirational read for teachers, student teachers and teaching assistants, and anyone interested in science and how children learn. Helen Ward is Senior Lecturer at Canterbury Christ Church University, Programme Director for the Modular PGCE at Christ Church and also an independent education consultant and active member of the Association for Science Education (ASE).

ECEL 2020 19th European Conference on e-Learning

On Formative Assessment

Assessment in the early years

Equity and Formative Assessment in Higher Education

Readings from Educational Leadership (EL Essentials)

The Computer Supported Collaborative Learning (CSCL) Conference 2013, Volume 1

Prototypen evidenzbasierten Physikunterrichts

The Trials of Evidence-based Education explores the promise, limitations and achievements of evidence-based policy and practice, as the attention of funders moves from a sole focus on attainment outcomes to political concern about character-building and wider educational impacts. Providing a detailed look at the pros, cons and areas for improvement in evidence-based policy and practice, this book includes consideration of the following: What is involved in a robust evaluation for education. The issues in conducting trials and how to assess the trustworthiness of research findings. New methods for the design, conduct, analysis and use of evidence from trials and examining their implications. What policy-makers, head teachers and practitioners can learn from the evidence to inform practice. In this well-structured and thoughtful text, the results and implications of over 20 studies conducted by the authors are combined with a much larger number of studies from their systematic reviews, and the implications are spelled out for the research community, policy-makers, schools wanting to run their own evaluations, and for practitioners using evidence.

Building change for the long game When we fundamentally commit to putting our students first, we must also commit to making changes in current practices that will last over time This practical, thoughtful book walks school leaders through the what, how, and why of a holistic change architecture to move teams toward impactful changes that will stand the test of time.. Readers will learn to: ? Organize and create conditions in which the adults and students can flourish ? Focus on phases of change and address important leadership practices that will move change forward and address resistance ? Apply two long-term stories of district change to their own particular contexts, so they can avoid mistakes and focus on strategies that work ? Create their own relationship-rich, personalized path for leading and managing sustained change

Measuring competencies acquired over the course of higher education is an area of research that largely has been neglected. This deficit can be attributed to the complexity of academic competencies since the variety of institutions, programs, occupational fields and job requirements render it difficult to define and even harder to measure outcomes. Thus, assessing the preconditions for and effects of competency development is a challenge methodologically. In this book, a comprehensive review of the international state of research on modeling and measuring competencies in higher education across several academic disciplines is presented, along with an evaluation of the field's strengths and weaknesses. Renowned experts share insight into the most important recent research projects and point out controversies and challenges. Competencies are regarded as context-specific dispositions acquired and required to cope successfully with domain-specific situations and tasks. However, the range of these dispositions is controversial. Should only cognitive facets be included or is it important to consider attitudes as well? Insufficient response rates and panel attrition are further challenges, as are the limitations of paper-and-pencil approaches to the complex measurement of higher education outcomes. Thus, this book may serve as a platform for the exchange of research experiences and perspectives and hopefully will instigate improvements in research into higher education.

Practitioners working within the EYFS are still uncertain of exactly how to manage assessment. This book will take them through the process step by step. It explains the terminology involved, shows practitioners how to turn 'observation' into 'assessment' and in the final chapter sets out how to manage and interpret all the information they have gathered. This book is an essential part of all early years bookshelves as the government expects 80% of the judgements on progress towards the Early Learning Goals to be based on observations of children in 'child-initiated' play environments.

Curriculum Leadership by Middle Leaders

Problems and Promises of Computer-based Training

Proceedings of the International Meeting of the Psychometric Society IMPS2001. Osaka, Japan, July 15-19, 2001

With Examples in R and Python

Formative Assessment in Practice

Tackling the Ten Biggest Challenges Facing Schools Today

The Cambridge Handbook of Instructional Feedback

Mentoring Teachers in the Primary School helps mentors of trainee and newly qualified primary school teachers to both develop their own mentoring skills and provide the essential guidance their beginning teachers need as they navigate the roller-coaster of the first years in the classroom. Offering tried and tested strategies based on the best research, it covers the knowledge, skills and understanding every mentor needs. Together with tools for self-evaluation, this book is a vital source of support and inspiration for all those involved

in developing the next generation of outstanding teachers. Key topics for primary mentors include: the role of the mentor, mentoring relationships, mentoring in specialist areas, mentoring development. Filled with guidance to support mentors' own development, as well as the development of beginning primary teachers, *Mentoring Teachers in the Primary School* is a vital guide for mentors of primary school teachers, both trainee and newly qualified, with ready-to-use strategies that support and inspire mentors.

Differentiated instruction is a nice idea, but what happens when it comes to assessing and grading students? What's both fair and leads to real student learning? An internationally recognized expert on grading practices, Rick Wormeli first examined these questions 10 years ago in the first edition of *Fair Isn't Always Equal*. In this thoroughly updated second edition, Rick provides a catalyst for serious reflection on current grading and assessment practices in differentiated classrooms. Coherent and effective standards-based grading practices for a high-stakes, accountability-focused world is also outlined. Recognizing the importance of having a shared school vision for assessment and grading, Rick addresses the challenges for teachers and administrators alike. Middle- and high-school educators will easily recognize real examples and gray areas of grading. Rick tackles important and sometimes controversial assessment and grading issues constructively, incorporating modern pedagogy and the challenges of working with diverse groups of students. New sections address sports eligibility, honor roll, descriptive feedback techniques, and gifted/talented students, and chapters on test questions, redos/retakes, grading scales, and grading effort and behavior have been revised extensively. This important book clearly explains the principles behind best grading practices so that you're ready for all grading questions or scenarios that you may encounter in your classrooms and schools.

The UK Teaching and Learning Research Programme (TLRP) worked for ten years to improve outcomes for learners in schools and other sectors through high quality research. One outcome of individual projects and across-Programme thematic work was the development of ten 'evidence-informed' principles for effective pedagogy. Synopses of these principles have been widely disseminated, particularly to practitioners. However, the evidence and reasoning underpinning them has not yet been fully explained. This book fills this gap by providing a scholarly account of the research evidence that informed the development of these principles, as well as offering some evidence of early take-up and impact. It also includes responses from highly-respected researchers throughout the world in order to locate the work in the broader international literature, to extend it by drawing on similar work elsewhere, to provide critique and to stimulate further development and debate. *Principles for Effective Pedagogy* contributes to international dialogue on effective teaching and learning, providing a focus for scholarly comment, sharing of expertise and knowledge accumulation. This book was originally published as a special issue of *Research Papers in Education*.

The Sage Handbook of Research on Classroom Assessment provides scholars, professors, graduate students, and other researchers and policy makers in the organizations, agencies, testing companies, and school districts with a comprehensive source of research on all aspects of K-12 classroom assessment. The handbook emphasizes theory, conceptual frameworks, and all varieties of research (quantitative, qualitative, mixed methods) to provide an in-depth understanding of the knowledge base in each area of classroom assessment and how to conduct inquiry in the area. It presents classroom assessment research to convey, in depth, the state of knowledge and understanding that is represented by the research, with particular emphasis on how classroom assessment practices affect student achievement and teacher behavior. Editor James H. McMillan and five Associate Editors bring the best thinking and analysis from leading classroom assessment researchers on the nature of the research, making significant contributions to this prominent and hotly debated topic in education.

Assessment Versus Evaluation

Thinking Together

Assessing & Grading in the Differentiated Classroom

Assessment and Student Success in a Differentiated Classroom

A Practical Guide

A Programme of Activities for Developing Speaking, Listening and Thinking Skills for Children Aged 8-11

World Class

Curriculum Leadership by Middle Leaders focusses on major issues relating to the continuing national and international discourse on curriculum leadership, and highlights the vital role of middle leaders in schools. School leadership has focused primarily on first-order change involving school leaders or principals. This book seeks to put the spotlight on second-order change that involves curriculum leadership and professional development support on the part of middle leaders for more sustainable and long-term change in teaching and learning that will influence what happens in classrooms. With timely and thought-provoking contribution from authors who pursue a range of scholarly interests in multiple educational settings, the book is guided by several underlying questions: How might we re-envision curriculum leadership so that it addresses both local and global concerns and aspirations? How might we better grasp how middle leaders understand and respond to the pressures of educational reform initiatives? How might middle leaders transform pressures into possibilities? This book will appeal to current teachers, those currently undertaking teacher training and students or academics carrying out research in the field of educational leadership.

Learning to Teach Geography in the Secondary School has become the widely recommended textbook for student and new teachers of geography. It helps you acquire a deeper understanding of the role, purpose and potential of geography within the secondary curriculum, and provides the practical skills needed to design, teach and evaluate stimulating and challenging lessons. It is grounded in the notion of social justice and the idea that all students are entitled to a high quality geography education. The very practical dimension provides you with support structures through which you can begin to develop your own philosophy of teaching, and debate key questions about the nature and purpose of the subject in school. Fully revised and updated in light of extensive changes to the curriculum, as well as to initial teacher education, the new edition considers the current debates around what we mean by geographical knowledge, and what's involved in studying at Masters level. Key chapters explore the fundamentals of teaching and learning geography: Why we teach and what to teach Understanding and planning the curriculum Effective pedagogy Assessment Developing and using resources Fieldwork and outdoor learning Values in school geography Professional development Intended as a core textbook and written with university and school-based initial teacher education in mind, Learning to Teach Geography in the Secondary school is essential reading for all those who aspire to become effective, reflective teachers. Praise for previous editions of Learning to Teach Geography in the Secondary School... 'This is a practical and visionary book, as well as being superbly optimistic. It has as much to offer the experienced teacher as the novice and could be

used to reinvigorate geography departments everywhere. Practical activities and ideas are set within a carefully worked out, authoritative, conceptual framework.' - The Times Educational Supplement 'This is a modern, powerful, relevant and comprehensive work...a standard reference for many beginning teachers on geography initial teacher training courses.' - *Educational Review*

Discusses the components of an effective, standards-based assessment program that can be used to enhance student achievement.

This addition to Cassell's Children, Teachers and Learning series offers a systematic treatment of teachers and their values, analysing the values which teachers hold, as well as the values which they are supposed to reflect.

Principles for Effective Pedagogy

Modeling and Measuring Competencies in Higher Education

Theory, design and practice

Putting it into Practice

Tasks and Challenges

Theory and Practice for the C21st

SAGE Handbook of Research on Classroom Assessment

With the current push toward educational reform, there is great potential for innovation and change, particularly in large scale testing. One area where change is possible is in cognitive diagnostic assessment. Researchers in educational measurement and cognitive psychology are finally in a position to design tests targeted specifically for providing valuable information about students' cognitive strengths and weaknesses. This self-contained volume organizes what is known about cognitive diagnostic assessment in education, including its conceptual and philosophical basis, methods, and applications. The complete list of topics includes educational demand, philosophical rationale, construct validity, cognitive methods, test construction, statistical models, and unresolved issues (e.g., how to best translate diagnostic information into teaching practices). Leighton and Gierl present a comprehensive and up-to-date examination of cognitive diagnostic assessment in education.

Designed to develop the language and reasoning skills of children at Key Stage 2, this book includes activities which have relevance to English, mathematics, science and citizenship.

Teacher effectiveness and licensure in the United States continue to be scrutinized at the state and national levels. At present, 40 states plus the District of Columbia have adopted edTPA to inform initial teacher licensure and/or certification decisions (American Association of Colleges for Teacher Education, n.d.). edTPA is designed to measure novice teachers' readiness to teach their content area, with a focus on student learning and principles from research and theory (SCALE, 2015). Composed of planning, instruction, and assessment tasks, edTPA portfolios seek to provide evidence of teacher candidate readiness in three areas: (1) intended teaching, (2) enacted teaching, and (3) the impact of teaching on student learning. Specifically, edTPA measures teacher candidates' ability to:

- *develop knowledge of subject matter, content standards, and subject-specific pedagogy*
- *develop and apply knowledge of varied students' needs*
- *consider research and theory about how students learn*
- *reflect on and analyze evidence of the effects of instruction on student learning*

(p. 1) Teacher candidates create extensive portfolios that include written commentaries explaining each task and video excerpts of a recorded teaching event. Teacher candidates must submit evidence to show their teaching prowess and pay \$300, at present, to Pearson Education for their portfolio to be evaluated by external reviewers. In this volume, researchers share their experiences working with edTPA in three areas of language learning: English Language Arts, English to Speakers of Other Languages, and World Languages. The volume provides empirical research in the areas of multicultural perspectives, pedagogical practices, and edTPA (in)compatibility. Findings are of interest to multiple stakeholders such as teacher candidates, mentor teachers, teacher preparation faculty members and program coordinators, and administrators.

Examines the relationship between curriculum and assessment and provides a critical commentary on current policy initiatives in this field.

Catching them at it!

Perspectives from English as an Additional Language, English Language Arts, and World Language Teacher Education

Web-Based Education

Addressing Issues of Access and Fairness in Education through Dynamic Assessment

Poverty, Citizenship, and the Search for the Great Society

Advancing Culturally Responsive Assessment

The Trials of Evidence-based Education

In the 1960s and 1970s, New Orleans experienced one of the greatest transformations in its history. Its people replaced Jim Crow, fought a War on Poverty, and emerged with glittering skyscrapers, professional football, and a building so large it had to be called the Superdome. New Orleans after the Promises looks back at that era to explore how a few thousand locals tried to bring the Great Society to Dixie. With faith in God and American progress, they believed that they could conquer poverty, confront racism, establish civic order, and expand the economy. At a time when liberalism seemed to be on the wane nationally, black and white citizens in New Orleans cautiously partnered with each other and with the federal government to expand liberalism in the South. As Kent Germany examines how the civil rights, antipoverty, and therapeutic initiatives of the Great Society dovetailed with the struggles of black New Orleanians for full citizenship, he defines an emerging public/private governing apparatus that he calls the "Soft State": a delicate arrangement involving constituencies as varied as old-money civic leaders and Black Power proponents who came together to sort out the meanings of such new federal programs as Community Action, Head Start, and Model Cities. While those diverse groups struggled--violently on occasion--to influence the process of racial inclusion and the direction of economic growth, they dramatically transformed public life in one of America's oldest cities. While many wonder now what kind of city will emerge after Katrina, New Orleans after the Promises offers a detailed portrait of the complex city that developed after its last epic reconstruction.

"A range of investigative, problem-solving articles pertaining to current developments in educational systems, this collection draws from faculty experiences gained while implementing and utilizing a combination of telecommunications and web-enabled technologies. Addressing trends and issues, and exploring the opportunities and problems confronting colleges and universities related to this relatively new practice, the articles present numerous academic perspectives and provide concepts for effectively utilizing and managing web-based education in a teaching environment. Proving recognizable competition to traditional university education, many public and private colleges and universities are facing the challenges and opportunities offered by this new technology-based concept. Discussing the successes and failures of the early adopters and including issues relating to peer-to-peer networks, e-course management, and MIS needs, this book attempts to move from questions concerning "what" to issues relating to "how.""

Assessment for Learning is based on a two-year project involving thirty-six teachers in schools in Medway and Oxfordshire. After a brief review of the research background and of the project itself, successive chapters describe the specific practices which teachers found fruitful and the underlying ideas about learning that these developments illustrate. Later chapters discuss the problems that teachers encountered when implementing the new practices in their classroom and give guidance for school management and LEAs about promoting and supporting the changes. --from publisher description

Margaret Heritage presents a practical guide to formative assessment as a process of "inquiry and action" essential to twenty-first century learning. In the wake of the development of the Common Core standards and the effort to develop the appropriate assessments to accompany them, formative assessment has attracted increasing attention from policy makers and practitioners alike. Yet this powerful and promising approach is often applied in ways that fail to capture its potential for improving student learning. In her book, Margaret Heritage presents a practical guide to formative assessment as a process of "inquiry and action" essential to twenty-first century learning. Heritage's approach is distinctive in that it is grounded in a "children's rights" framework—that is, the belief that assessment should be in the best interest of all students, that students should be involved in the decisions that ensue from assessment use, and that opportunities to learn, progress, and succeed will be available to all children equally. Accordingly, she addresses the students' own role in learning about themselves as learners and examines the classroom as a community of practice. The book also includes chapters on learning progressions and the policy contexts that support formative assessment. Skillfully interweaving theory and practice, this book promises to be an invaluable resource for teachers, teacher educators, and those interested in the academic and policy aspects of assessment.

Cognitive Diagnostic Assessment for Education

Models for Distance Education

Setting Knowledge Free: The Journal of Issues in Informing Science and Information Technology Volume 5, 2008

Transformative Teacher Research

Assessment For Learning

New Developments in Psychometrics

Zwei empirische Studien zum Einsatz von Feedback und Blackboxes in der Sekundarstufe
Learning to Teach Geography in the Secondary School has become the widely recommended textbook for student and new teachers of geography. It helps them acquire a deeper understanding of the role, purpose and potential of geography within the secondary curriculum, and provides the practical skills needed to design, teach and evaluate stimulating and creative lessons. This fully revised and updated second edition takes account of new legislation and important developments in geography education, including literacy, numeracy, citizenship, and GIS. Brand new chapters in this edition provide essential guidance on fieldwork, and using ICT in the context of geography teaching and learning. Chapters on teaching strategies, learning styles and assessment place the learner at the centre stage, and direct advice and activities encourage successful practice. Designed for use as a core textbook Learning to Teach Geography in the Secondary School is essential reading for all student teachers of geography who aspire to become effective, reflective teachers. Praise for the first edition of Learning to Teach Geography in the Secondary School: 'This is a practical and visionary book, as well as being superbly optimistic. It has as much to offer the experienced teacher as the novice and could be used to reinvigorate geography departments everywhere. Practical activities and ideas are set within a carefully worked out, authoritative, conceptual framework.' -

The Times Educational Supplement 'This is a modern, powerful, relevant and comprehensive work that is likely to become a standard reference for many beginning teachers on geography initial teacher training courses in England and Wales.' – Educational Review
Mit der Hattie-Studie ist die Evidenzbasierung von Physikunterricht stärker in den Fokus der empirischen Unterrichtsforschung gerückt. In zwei unabhängigen Studien in der Sekundarstufe 1 werden mit Feedback und formativem Assessment Faktoren betrachtet, welchen positive Effekte auf den Lernerfolg der Lernenden zugeschrieben werden. In der ersten Studie erfolgte der Einsatz von Multiple-Choice-Aufgaben im Rahmen von formativem Assessment. Dabei zeigt sich bei Einsatz eben dieses Aufgabenformates eine gesteigerte Einsichtnahme in den Lernprozess der Schülerinnen und Schüler durch die Lehrkraft sowie eine Zunahme des Lernerfolgs. Der Einsatz optischer Blackbox-Experimente im Anfangsunterricht Physik bildet den Gegenstand der zweiten empirischen Betrachtung. Neben Charakteristika der eingesetzten Experimente wurden mit Feedback und Offenheit der Instruktion Parameter von Unterricht variiert und analysiert, um lernförderliche Faktoren zu identifizieren.

The aim of this book is to bring teacher research to the centre of attention in educational research. Knowledge generated by researching teachers and teacher researchers—often in collaboration with university researchers—identifying new and innovative research methodologies and theories, feeds directly back into theorising practice and the practice of theory that is necessary to improve student learning. This collection of articles from Educational Leadership pulls together some of the best pieces on formative assessment and feedback that will help educators understand how to best use the data they have at their fingertips. The authors tell fellow educators about how to use formative assessment to shape the next phase of instruction and how to look for patterns in students' assessments and assignments—the mistakes students frequently make and the signals that tell what individuals need, what groups of kids need, and what the whole class needs.

Second International Handbook of Educational Change

Using their Brains in Science

The Promises, Opportunities and Problems of Trials in Education

Built to Last

Computational Psychometrics: New Methodologies for a New Generation of Digital Learning and Assessment

Researching edTPA Promises and Problems

International Handbook of Research on Teachers and Teaching

The two volumes of the second edition of the International Handbook of Educational Change comprise a totally new, and updated collection of the most critical and cutting-edge ideas in educational change. Written by the most influential thinkers in the field, these volumes cover educational change at both the theoretical and practical levels. The updated handbook remains connected to the classical concerns of the field, such as educational innovation, reform, and change management, and also offers new insights into educational change that have been brought about by social change and shifting contexts of educational reform. Like the first best selling Handbook, this one will also undoubtedly become an essential resource for people involved in all spheres of education, from classroom teachers, teacher leaders and administrators to educational researchers, curriculum developers, and university professors. No other work provides such a wide-ranging and comprehensive examination of the field of educational change.

Meta-Communication for Reflective Online Conversations: Models for Distance Education

Learning to Teach Geography in the Secondary School

A Process of Inquiry and Action