Assessing Creativity The Test For Creative Thinking
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Assessing Student Understanding in Science
Creativity and innovation go hand in hand. This book presents a plethora of creative interventions in education, culture, expressions, communications, and other areas. Each chapter brings forth a core idea well attested on the scales of creative interventions. It is a collaborative effort to bring forth multidisciplinary creativity in the ever-evolving world of design, communication, and possibilities. There is really no logical order to the book. You do not necessarily have to start at the beginning, just find a chapter that interests you and read. I hope that you find the book stimulating as well as informative.

IQ and Personality Tests
As with most dynamic activities that are based on social and cultural contexts and rely on interactions, education is a complex and often ambiguous endeavor. Despite this complexity, scholars and educators are often required to find ways of defining and explaining what "good" teaching is and to incorporate these conclusions into teacher education. This book contains eight scholarly articles from various countries around the world and offers unique and up-to-date perspectives on relevant practices and pedagogies for teachers’ professional education and development. In this international book, it is argued that there is a significant inspiration and enrichment to be gained by investigating the policies and practices of teacher education systems from all over the world.

Encyclopedia of Creativity
A brand new collection of powerful psychometric and intelligence tests. Psychometric testing has become a standard tool of the trade among recruiters in today’s hypercompetitive job marketplace. Now, from the wiseguys behind the bestselling IQ Workout series, here are forty new tests designed to gauge and sharpen your mental powers, assess your personality traits, identify your aptitudes, and reveal your strengths and weaknesses. Each test offers a minimum of twenty to twenty-five questions. Using a point system that enables you to calibrate your personality traits, the personality tests examine thoughts, feelings, and behaviors in various situations. The IQ tests assess verbal comprehension, numeracy, logic, and spatial reasoning, and feature a scoring system and in-depth answers that provide instant feedback on performance. A fun and informative way to assess personality and intelligence, More Psychometric Testing also is an indispensable resource for job seekers and career builders. Philip Carter (Mirfield, West Yorkshire, UK) and Ken Russell (Havant, West Sussex, UK) are the UK MENSA Puzzle Editors. Together they have coauthored over 100 books on all aspects of testing, puzzles, and crosswords.

**Domain Specificity of Creativity**

An Up-to-Date Overview of the Theory and Practice Underlying Gifted Assessment Essentials of Gifted Assessment introduces readers to the theory and practice underlying gifted assessment. Steven Pfeiffer, a leading expert in the field of gifted assessment, discusses what it means to be gifted, why we should identify gifted students, and the purposes of gifted assessment. Well-organized and engaging, the book examines key principles of gifted assessment and provides an up-to-date overview of gifted assessment measures. Topics include the use of local norms, measuring creativity and motivation, nonverbal measures, the importance of recurring gifted assessment, multi-potentiality, gifted testing and minority group students, and evaluating the twice-exceptional student. Early identification and intervention greatly benefits gifted students, who may otherwise never realize their full potential. Throughout the book, Pfeiffer equips school psychologists with the tools they need to: Identify and assess uniquely bright and talented students, Integrate multiple assessment measures including intelligence, cognitive ability, and achievement tests, Assess gifted students with coexisting disabilities and disorders, Promote the abilities of gifted students using evidence-based strategies. The book also includes extensive illustrative material, such as callout boxes and case examples, that facilitate use as a quick reference, plus end-of-chapter "Test Yourself" questions that help reinforce key concepts. Essentials of Gifted Assessment helps new and seasoned school psychologists and other professionals acquire the skills and knowledge needed for ethical, evidence-based, and informed clinical practice with high-ability students.

**Assessing Creativity from a Diagnostic Perspective**

This Handbook brings together an international cast of experts to explore the social nature and context of creativity studies, focusing on methodology as a key component in advancing the social study of creativity. Two decades on from the pioneering work of Alfonso Montuori and Ronald E. Purser, the authors present a timely appraisal of past and present work in social creativity studies, and look ahead to future developments within this field. The authors collectively offer a rigorous examination of the methodological and empirical issues and techniques involved in studying social creativity. They examine the phenomenon as a form of communication and interaction within collaborative relationships; contending that creativity happens not within a vacuum but instead from a nexus of personal, social and contextual influences. This comprehensive work is organized in three parts, focusing first on the various methodological approaches applicable to the social in creativity studies. It secondly turns to empirical findings and approaches relating to the social nature of creativity. In the book’s final part, the authors offer reflections on the state of social research into creativity, pinpointing areas requiring further methodological scrutiny and empirical verification, and areas that may inspire further theoretical or applied work. Combining classic ideas with cutting-edge, emerging methods, this work provides a vital methodological ‘toolbox’ for investigators within social creativity.
Test of creative imagery abilities

Creativity: A Handbook for Teachers covers topics related to creativity research, development, theories and practices. It serves as a reference for academics, teacher educators, teachers, and scientists to stimulate further dialogue on ways to enhance creativity.

Encyclopedia of Psychological Assessment

The first edition of the successful Encyclopedia of Creativity served to establish the study of creativity as a field in itself. Now completely updated and revised in its second edition, coverage encompasses the definition of creativity, the development and expression of creativity across the lifespan, the environmental conditions that encourage or discourage creativity, creativity within specific disciplines like music, dance, film, art, literature, etc., the relationship of creativity and mental health, intelligence, and learning styles, and the process of being creative. This reference also appeals to a lay audience with articles specifically on the application of creativity to business settings. Available online via ScienceDirect and in limited print release. Named a 2012 Outstanding Academic Title by the American Library Association's Choice publication Serves as a compendium of reviews of a number of domain-specific areas, such as acting, dance, expressive arts, film, food, music, religion, science, sports, theater, and writing. Creativity and education are examined in articles about thought processes, such as developmental trends in creative abilities and potentials, the enhancement of creativity, intelligence, knowledge, play, prodigies, programs and courses, talent and teaching creativity. Cognitive aspects of creativity can be investigated in articles about altered and transitional states, analogies, attention, cognitive style, divergent thinking, flow and optimal experience, metacognition, metaphors, problem-finding, problem-solving, and remote associates. Covers business and organizational creativity in articles about advertising with art, creative visuals, business/management, creativity coaching, creativity exercises, entrepreneurship, group dynamics, innovation, leadership, organizational culture, organizational development, teams, and training, among others. Explicitly examines the complex interrelationship between society and creativity in articles about awards, conformity and conventionality, the creative sector and class of society, cultural diversity, the dark side of creativity, East vs. West, networking, social psychology, war, zeitgeist, and others. Personal and interpersonal creativity is discussed in articles relating to collaboration, family, life stages, mentors, networking, personal creativity and self-actualization. Focuses on scientific information about creativity, there are also articles that discuss brain and neuropsychology, concepts of creativity, definitions of creativity, expertise, longitudinal studies, researching art, artists and art audiences, research methods, phenomenology research and qualitative research. Online version contains an additional 26 biographies of famously creative people

The Palgrave Handbook of Social Creativity Research

Educators know it’s important to get students to engage in “higher-order thinking.” But what does higher-order thinking actually look like? And how can K-12 classroom teachers assess it across the disciplines? Author, consultant, and former classroom teacher Susan M. Brookhart answers these questions and more in this straightforward, practical guide to assessment that can help teachers determine if students are actually displaying the kind of complex thinking that current content standards emphasize. Brookhart begins by laying out principles for assessment in general and for assessment of higher-order thinking in particular. She then defines and describes aspects of higher-order thinking according to the categories established in leading taxonomies, giving specific guidance on how to assess students in the following areas: * Analysis, evaluation, and creation * Logic and reasoning * Judgment * Problem solving * Creativity and creative thinking Examples drawn from the National Assessment of Educational Progress and from actual classroom teachers include multiple-choice items, constructed-response (essay) items, and performance assessment tasks.
Readers will learn how to use formative assessment to improve student work and then use summative assessment for grading or scoring. Aimed at elementary, middle, and high school teachers in all subject areas, How to Assess Higher-Order Thinking Skills in Your Classroom provides essential background, sound advice, and thoughtful insight into an area of increasing importance for the success of students in the classroom--and in life.

Rethinking Creativity

Recent research findings have challenged the idea that creativity is domain-general. Domain Specificity of Creativity brings together the research information on domain specificity in creativity -- both the research that supports it and answers to research arguments that might seem to challenge it. The implications for domain specificity affect how we move forward with theories of creativity, testing for creativity, and teaching for creativity. The book outlines what these changes are and how creativity research and applications of that research will change in light of these new findings.

Summarizes research regarding domain specificity in creativity Outlines implications of these findings for creativity theory, testing, and teaching Identifies unanswered questions and new research opportunities

Twenty Ways to Assess Personnel

This volume presents a collection of writings on the relations among creativity, culture and development. The editors invited “like-minded” researchers of creativity from around the world to share their respective notions of creativity. Given that human creativity is a potential that can and should be nurtured in the course of lifespan development and across all cultural backgrounds, the volume emphasizes the importance of promoting creativity in all cultures and through societal-educational opportunities, and offers a venue for the authors to make conceptual, empirical and practical inquiries into the relations among creativity, development and culture. The authors represent a varied “mix” of contemporary and emerging creativity researchers who use different methodologies to investigate the importance of culture in creativity development and the reciprocal role of developing creativity and cultural enrichment. The volume represents an attempt on the part of the editors and the authors to broaden our current understanding of creativity in the contexts of human and cultural development, and in so doing to enhance our understanding of creativity, culture and development in the contexts of flourishing human and societal activities. As the first volume in a book series on “Creativity in the Twenty-First Century”, the book invites readers and researchers to engage in future interdisciplinary and intercultural discourses and dialogues on the importance of creativity for human and cultural development.

Handbook of Research on Assessment Technologies, Methods, and Applications in Higher Education

What is a rubric? A rubric is a coherent set of criteria for student work that describes levels of performance quality. Sounds simple enough, right? Unfortunately, rubrics are commonly misunderstood and misused. The good news is that when rubrics are created and used correctly, they are strong tools that support and enhance classroom instruction and student learning. In this comprehensive guide, author Susan M. Brookhart identifies two essential components of effective rubrics: (1) criteria that relate to the learning (not the “tasks”) that students are being asked to demonstrate and (2) clear descriptions of performance across a continuum of quality. She outlines the difference between various kinds of rubrics (for example, general versus task-specific, and analytic versus holistic), explains when using each type of rubric is appropriate, and highlights examples from all grade levels and assorted content areas. In addition, Brookhart addresses * Common misconceptions about rubrics; * Important differences between rubrics and other assessment tools such as checklists and rating scales, and when such alternatives can be useful; and * How to use rubrics for formative assessment.
assessment and grading, including standards-based grading and report card grades. Intended for educators who are already familiar with rubrics as well as those who are not, this book is a complete resource for writing effective rubrics and for choosing wisely from among the many rubrics that are available on the Internet and from other sources. And it makes the case that rubrics, when used appropriately, can improve outcomes by helping teachers teach and helping students learn.

Valuing Assessment in Science Education: Pedagogy, Curriculum, Policy

Handbook of Organizational Creativity is designed to explain creativity and innovation in organizations. This handbook contains 28 chapters dedicated to particularly complex phenomena, all written by leading experts in the field of organizational creativity. The format of the book follows the multi-level structure of creativity in organizations where creativity takes place at the individual level, the group level, and the organizational level. Beyond just theoretical frameworks, applications and interventions are also emphasized. This topic will be of particular interest to managers of creative personnel, and managers that see the potential benefit of creativity to their organizations. Information is presented in a manner such that students, researchers, and managers alike should have much to gain from the present handbook Variables such as idea generation, affect, personality, expertise, teams, leadership, and planning, among many others, are discussed Specific practical interventions are discussed that involve training, development, rewards, and organizational development Provides a summary of the field’s history, the current state of the field, as well as viable directions for future research.

Encyclopedia of Child Behavior and Development

"This research publication accommodates in-depth studies that elucidate both the prospects and problems of learning assessment in higher education"—Provided by publisher.

Contemporary Pedagogies in Teacher Education and Development

Creativity is increasingly attracting attention of scientific community given its role in different aspects of human life. So far we have only began to understand its complexity and how it correlates with other cognitive processes. A further understanding of its key processes is essential to better implement applications of creativity tools to daily life. Therefore, it is the aim of this Research Topics to further elucidate how creativity can be measured, and its components, such as mental imagery, are determined.

Creativity, Talent and Excellence

A 5-part process that will transform your organization — or your career — into a non-stop creativity juggernaut We live in an era when business cycles are measured in months, not years. The only way to sustain long term innovation and growth is through creativity—at all levels of an organization. Disciplined Dreaming shows you how to create profitable new ideas, empower all your employees to be creative, and sustain your competitive advantage over the long term. Linkner distills his years of experience in business and jazz — as well as hundreds of interviews with CEOs, entrepreneurs, and artists — into a 5-step process that will make creativity easy for you and your organization. The methodology is simple, backed by proven results. Empowers individuals, teams, and organizations to meet creative challenges posed by the marketplace Turns the mystery of creativity
into a simple-to-use process Shows how creativity can be used for everything from innovative, game-shifting breakthroughs to incremental advances and daily improvements to business processes Offers dozens of practical exercises, thought-starters, workouts to grow "creative muscles," and case studies Disciplined Dreaming shows even the stiffest corporate bureaucracies how to cultivate creativity in order to become more competitive in today’s shifting marketplace. • #4 New York Times Best Seller (Advice, How-To and Miscellaneous) • #8 New York Times Best Seller (Hardcover Business) • #2 Wall Street Journal Best Seller (Hardcover Business) • #9 Wall Street Journal Best Seller (Hardcover Nonfiction) • #9 Washington Post Best Seller (Hardcover Nonfiction) • #1 USA Today Best Seller (Money) • #10 Entertainment Weekly Best Seller (Hardcover Nonfiction) • #10 Publishers Weekly Bestseller (Hardcover Nonfiction)

Encyclopedia of Creativity, Invention, Innovation and Entrepreneurship

Over the years, there has been more and more research to test the validity of personnel assessment methods, an area which is far from easy. This book compares traditional practices against new techniques, including social media analytics, wearables, mobile phone logs, and gamification. Researchers and businesses alike know the importance of making good, and avoiding bad, selection decisions, but are unsure of how to proceed effectively. This book maps out the viable options and advises on best practice. The author combines both practical applications and academic, psychological research to explain how each method works, the theory behind it, and the extent of the evidence that supports it.

Cognitive Processes in Individual and Collective Creativity: A Cross-Cultural Perspective

Creativity

The Creative Engineering Design Assessment or CEDA is a newly developed tool to assess creativity specific to engineering design which is vital for innovation. The revised CEDA assesses usefulness in addition to originality. Both originality and usefulness are key constructs in creativity but are primarily essential and emphasized ever more in engineering design. Since the preliminary research was presented to the National Science Foundation, further reliability and validity has been developed and established. The CEDA is different from other general creativity measures as it demonstrates discriminant validity with the Creative Personality Scale, Creative Temperament Scale, and the Cognitive Risk Tolerance Scale, and has demonstrated convergent validity with the Purdue Creativity Test and the Purdue Spatial Visualization Test- Rotations. It focuses on engineering specific measures, measuring engineering creativity and spatial skills. The aim of this book is to disseminate the CEDA tool for use in engineering educational programs, industry, NASA and the military. Creative Engineering Design Assessment (CEDA) Background, Directions, Manual, Scoring Guide and Uses discusses and outlines the need for creativity in our global economy and in engineering design and provides the CEDA tool in effort to achieve this.

Essentials of Gifted Assessment

Contains numerous practice questions from personality and aptitude areas of assessment. Personality questions look at attitudes and values and the aptitude questions are organized into two IQ tests which assess verbal, numerical, logical and spatial reasoning skills.
Essentials of Gifted Assessment

Developing Creativity in the Classroom applies the most current theory and research on creativity to support the design of teaching and learning. Creative thinking and problem solving are at the heart of learning and application as students prepare for innovation-driven careers. This text debunks myths about creativity and teaching and, instead, illustrates productive conceptions of creative thinking and innovation, including a constructivist learning approach in which creative thinking enhances and strengthens conceptual understanding of the curriculum. Through models of teaching that support creativity and problem solving, this book extends the idea of a creative pedagogy to the four core curriculum domains. Developing Creativity in the Classroom focuses on explanations and examples of how creative thinking and deep learning merge to support engaging learning environments, rising to the challenge of developing 21st-century competencies.

Creativity Under Duress in Education?

Discover practical, step-by-step instructions for accurately and effectively assessing creativity with Essentials of Creativity Assessment, a guide that provides useful information about using solid theoretical and research-based evidence for creativity assessment. Quickly acquire the knowledge and skills you need to effectively assess creativity, a popular measure of cognitive ability correlated with intelligence. Receive an overview of the wide variety of assessments that can be used to gauge creativity, enabling you to select the creativity assessment method that best fits the situations, groups of people, and programs that are involved.

More Psychometric Testing

This reference work breaks new ground as an electronic resource. Utterly comprehensive, it serves as a repository of knowledge in the field as well as a frequently updated conduit of new material long before it finds its way into standard textbooks.

Scales for Rating the Behavioral Characteristics of Superior Students

“Forty-three years ago the Italian parliament passed a law (law 517 of 1977) that would have boasted Italy for the role of leading country in the area of inclusion. With that choice, Italy accepted to open up to diversity, to embrace it, to work with and for it, questioning the pedagogical community on what were the best practices to face this educational and social challenge. A choice that today bears fruit, in a context where diversity is normal (Canevaro, 2007, Ianes, 2006). A choice that we must defend in the name of all children and their right to education. The present book develops within this framework and is characterized by the desire to give voice to another nuance of diversity, often mistakenly considered as “good difference” and as such, not in need of targeted interventions: the Giftedness.”

Inclusive gifted education

Assessment is a fundamental issue in research in science education, in curriculum development and implementation in science education as well as in science teaching and learning. This book takes a broad and deep view of research involving assessment in science education, across contexts and
cultures (from whole countries to individual classrooms) and across forms and purposes (from assessment in the service of student learning to policy implications of system wide assessment). It examines the relationships between assessment, measurement and evaluation; explores assessment philosophies and practices in relation to curriculum and scientific literacy/learning; and details the relationships between assessment and science education policy. The third in a series, Valuing Assessment in Science Education has chapters from a range of international scholars from across the globe and staff from Monash University, King’s College London and University of Waikato. The two previous books in the series examined research relevant to the re-emergence of values in science education and teaching across the spectrum of science education as well as across cultural contexts through the professional knowledge of science teaching. This third book now moves to examine different aspects of generating understanding about what science is learnt, how it is learnt, and how it is valued. Valuing Assessment in Science Education will appeal to all those with some engagement with and/or use of research in science education, including research students, academics, curriculum development agencies, assessment authorities, and policy makers. It will also be of interest to all classroom science teachers who seek to keep abreast of the latest research and development and thinking in their area of professional concern.

Equality, Equity, and Diversity

Developing Creativity in the Classroom

Creativity, Culture, and Development

This book presents a new perspective on creativity: that creative innovation depends on inside-of-the-box thinking. Not outside the box, as we all believed. It shows that creativity builds on what we know and how we use old ideas to produce new ones. In a highly readable format, Robert W. Weisberg uses case studies of seminal creative advances, such as Leonardo’s ‘Aerial Screw’ and Frank Lloyd Wright’s ‘Falling water’ house. These fascinating examples are evaluated alongside cutting-edge research to present an analysis of creativity that challenges us to think differently about this intriguing cognitive ability.

Essentials of Creativity Assessment

This handbook surveys clinical and educational considerations related to the foundations, models, special topics, and practice of psychological assessment.

Disciplined Dreaming

The fourth edition of this well-known text continues the mission of its predecessors â€” to help teachers link creativity research and theory to the everyday activities of classroom teaching. Part I (chs 1-5) includes information on models and theories of creativity, characteristics of creative people, and talent development. Part II (chapters 6-10) includes strategies explicitly designed to teach creative thinking, to weave creative thinking into content
area instruction, and to organize basic classroom activities (grouping, lesson planning, assessment, motivation and classroom organization) in ways
that support studentsâ€™ creativity. Changes in this Edition: Improved Organization – This edition has been reorganized from 8 to 10 chapters
allowing the presentation of theoretical material in clearer, more manageable chunks. New Material â€“ In addition to general updating, there are more
examples involving middle and secondary school teaching, more examples linking creativity to technology, new information on the misdiagnosis of
creative students as ADHD, and more material on cross-cultural concepts of creativity, collaborative creativity, and linking creativity to state standards.
Pedagogy & Design â€“ Chapter-opening vignettes, within-chapter reflection questions and activities, sample lesson ideas from real teachers, and end-
of-chapter journaling activities help readers adapt content to their own teaching situations. Also, a larger trim makes the layout more open and
appealing and a single end-of-book reference section makes referencing easier. Targeted specifically to educators (but useful to others), this book is
suitable for any course that deals wholly or partly with creativity in teaching, teaching the gifted and talented, or teaching thinking and problem
solving. Such courses are variously found in departments of special education, early childhood education, curriculum and instruction, or educational
psychology.

How to Assess Higher-order Thinking Skills in Your Classroom

Provides extensive standards-based examples for assessing science teaching and learning, including the use of portfolios, formative assessments,
student self-evaluations, rubrics, and science notebooks.

Pedagogy for Creative Problem Solving

Mednick’s Remote Associates Test for assessing creativity and Torrance’s "gaps and deficiencies" model of creativity are based on the idea that
creativity involves a comparison of the attributes of information. The research in this book tests this idea through the use of three sets of highly-
analyzable stimuli, the data-analytic techniques of multidimensional scaling to visualize the organization of information and the fuzzy logical model of
perception to model the responses to dissimilarity tasks. Using two groups of secondary school students that are distinguished on the basis of IQ
scores, the results from this research show that there are individual differences in the organization of information and in the responses to the
dissimilarity tasks, and that these differences are related to intelligence. This book will be of interest to researchers working in the area of intelligence
and creativity.

Creativity in Education

'once you let a clinical psychologist lay hands on this book, it is quite difficult to get it back again' - Martin Guha, Librarian, Institute of Psychiatry,
London The Encyclopedia of Psychological Assessment is a landmark reference work and constitutes a definitive resource for academics,
practitioners and students working in any field of applied psychological science. Psychological assessment is a key component of psychological work.
Devices of scientific assessment are necessary for adequate describing, diagnosis, predicting, explaining or changing the behaviour of all subjects
under examination. This double-volume collection offers complete coverage to facilitate action in each of these areas and will consequently be
invaluable to psychologists in any applied setting. The two volumes of the Encyclopedia of Psychological Assessment contain a series of 235 entries,
organized alphabetically, and covering a variety of fields. Each entry includes a general conceptual and methodological overview, a section on relevant
assessment devices, followed by links to related concepts in the Encyclopedia and a list of references. The Encyclopedia of Psychological Assessment
Creative Engineering Design Assessment

This volume reflects the multiplicity of perspectives in the theory and practice of creativity, while it is broadly accepted that the dynamism of humanity’s responses to our evolving scientific, social and environmental needs depends on our creativity. It examines the central issues that animate the themes of creativity, talent development and excellence in schools and in the workplace, as well as analysing their related socio-cultural activities and processes. Forged in the workshops of a number of conferences and symposia, this collection represents in itself a creative partnership between European and Asian academics. Thus it includes contributions from various cultural and organizational settings, as well as chapters that enhance our conceptual models of creativity in both learning and teaching. The contributing authors recognize that exploring the nature of creativity necessitates a new paradigm in research and praxis in which integration, collaboration, and the synthesis of knowledge and expertise are key factors. Their chapters detail the results of studies relating to to creativity, talent, school excellence, team and goal setting, innovation and organizational excellence, resilience, self-regulation, and personal epistemology. Clearly defined sections take on discrete aspects of the topic that include a vital assessment of the challenges that lie ahead in fostering the creativity, talent and excellence of the young and in doing so, allowing them to play a positive and innovative role in a variety of social contexts.

Creativity

The second edition of this exhaustive work (ECIIE) comprehensively covers the broad spectrum of topics relating to the process of creativity and innovation, from a wide variety of perspectives (e.g., economics, management, psychology, anthropology, policy, technology, education, the arts) and modes (individual, organization, industry, nation, region). This edition includes some 400 topical entries, definitions of key terms and concepts and review essays, from a global array of more than 250 researchers, business executives, policymakers, and artists, illuminating the many facets of creativity and innovation and highlighting their relationships to such universal concepts as knowledge management, economic opportunity, and sustainability. Entries feature description of key concepts and definition of terms, full-color illustrations, case examples, future directions for research and application, synonyms and cross-references and bibliographic references.

Creativity and Mental Imagery
Creativity, the highest level of human wisdom, has become an increasingly important concept in different fields of psychological enquiry, particularly because it is portrayed as contributing to many aspects of society, including personal development, economic prosperity and technological advancement. However, although considerable research attention from a wide range of disciplinary backgrounds has focused on trying to understand creativity, the specific nature of creativity, its theoretical underpinnings and cognitive mechanisms, remain unclear, not least when it comes to the understanding of creativity at the individual level and creativity at the collective level. On the one hand, there are crucial distinctions between individual and collective creativity. On the other hand, the process of being creative involves not only independent or individual efforts but also interdependent or collective efforts. Understanding these differences and interrelationships is crucially important in studies of creativity. In this Research Topic, we bring together research from a wide variety of cognitive and psychological approaches and perspectives in order to provide a comprehensive and in-depth understanding of creativity at both the individual and collective levels. Furthermore, cognitive mechanisms in the creativity process are unavoidably affected by sociocultural factors and these mechanisms look different across cultures, particularly between Eastern cultures and Western cultures, two worlds that often imply dramatically dissimilar values and perspectives. Despite the fact that many studies have compared and contrasted these two cultures in various respects, little research has focused on the specific topic of cultural variation in creative cognition. In addition, very few studies have examined the differences in the cognitive mechanisms underpinning the cultural variations that can be observed at a surface level. This Research Topic aims to fill this gap in the literature and examine the cognitive processes and mechanisms in the creativity process at both individual and collective levels across different cultures by using theoretical and empirical evidence.

Handbook of Organizational Creativity

This book provides students and practising teachers with a solid, research-based framework for understanding creative problem solving and its related pedagogy. Practical and accessible, it equips readers with the knowledge and skills to approach their own solutions to the creative problem of teaching for creative problem solving. First providing a firm grounding in the history of problem solving, the nature of a problem, and the history of creativity and its conceptualisation, the book then critically examines current educational practices, such as creativity and problem solving models and common classroom teaching strategies. This is followed by a detailed analysis of key pedagogical ideas important for creative problem solving: creativity and cognition, creative problem solving environments, and self regulated learning. Finally, the ideas debated and developed are drawn together to form a solid foundation for teaching for creative problem solving, and presented in a model called Middle C. Middle C is an evidence-based model of pedagogy for creative problem solving. It comprises 14 elements, each of which is necessary for quality teaching that will provide students with the knowledge, skills, structures and support to express their creative potential. As well as emphasis on the importance of self regulated learning, a new interpretation of Pólya's heuristic is presented.

How to Create and Use Rubrics for Formative Assessment and Grading

"Published in conjunction with the University of the Basque Country."

Creativity in the Classroom

An Up-to-Date Overview of the Theory and Practice UnderlyingGifted Assessment Essentials of Gifted Assessment introduces readers to the theory and practice underlying gifted assessment. Steven Pfeiffer, a leading expert in the field of gifted assessment, discusses what it means to be gifted, why we
should identify gifted students, and the purposes of gifted assessment. Well-organized and engaging, the book examines key principles of gifted assessment and provides an up-to-date overview of gifted assessment measures. Topics include the use of local norms, measuring creativity and motivation, nonverbal measures, the importance of recurring gifted assessment, multi-potentiality, gifted testing and minority group students, and evaluating the twice-exceptional student. Early identification and intervention greatly benefits gifted students, who may otherwise never realize their full potential. Throughout the book, Pfeiffer equips school psychologists with the tools they need to: Identify and assess uniquely bright and talented students Integrate multiple assessment measures including intelligence, cognitive ability, and achievement tests Assess gifted students with coexisting disabilities and disorders Promote the abilities of gifted students using evidence-based strategies The book also includes extensive illustrative material, such as callout boxes and case examples, that facilitate use as a quick reference, plus end-of-chapter "Test Yourself" questions that help reinforce key concepts. Essentials of Gifted Assessment helps new and seasoned school psychologists and other professionals acquire the skills and knowledge needed for ethical, evidence-based, and informed clinical practice with high-ability students.

An Organizational Theory of Creativity

Creativity Under Duress in Education? introduces a new framework—creativity under duress in education. Leading creativity researchers and educational scholars discuss creative theory and practice from an educational lens that is provocative. Across international contexts, this book combines insights from creativity and educational research; rich illustrations from classrooms, schools, and other professional settings, and practical ideas and strategies for how anyone invested in education can support creative teaching and learning. Readers will encounter diverse perspectives from an international cast of authors exploring cutting-edge ideas for creativity and innovation as a foremost priority for economies in the new millennium. At the same time, they consider forces of authority, control, and constraint that impact creative education and innovation within educational systems, extending to the professions. Educators and those interested in the future of education are vitally important to this conversation around research-based and practical analyses of creativity in and beyond the classroom. Addressed are these major issues: (1) creativity frameworks of theory and action in education, (2) research investigations into creativity and education, and (3) applications of creativity theory in real-world practice. Dynamic, this book presents a bridge between draconian contexts of assessment and explosive creativity in diverse places. A key contribution of the volume is its validation and promotion of creativity and innovation for students, teachers, professors, leaders, employers, policymakers, and others seeking ways to profoundly improve learning and transform education. In tackling the seemingly irreconcilable issues of creativity and accountability in K–12 institutions, higher education, and policy circles, worldwide, this work offers a message that is both cautionary and inspiring. Book editor Carol A. Mullen, PhD, is Professor of Educational Leadership at Virginia Tech, Virginia, USA. A twice-awarded Fulbright Scholar to China (2015) and Canada (2017), she was honored with the 2016 Jay D. Scribner Mentoring Award from the University Council for Educational Administration. She is author of Creativity and Education in China (2017) and co-editor of Education policy perils (2016).

The Oxford Handbook of Child Psychological Assessment

A rounded, comprehensive guide to issues of practice, pedagogy and policy concerned with creative education.