"When we nurture the creative, artistic lives of our children, we give them the tools they need to thrive in our rapidly changing world."

Christine L. Carter, PhD
University of California, Berkeley

EDUCATING FOR CREATIVE MINDS:
USING BRAIN SCIENCE TO IGNITE INNOVATION AND IMAGINATION

AT THE HISTORIC FAIRMONT HOTEL,
ATOP NOB HILL, SAN FRANCISCO, CA

FEBRUARY 14-16, 2013

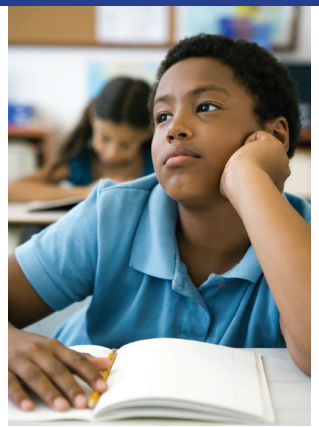
Pre-Conference Workshops: February 14
Early Discount Deadline: Nov. 30, 2012

34TH LEARNING & *the* BRAIN® CONFERENCE

LEARNING & *the* BRAIN® CONFERENCE

34th International Conference For Pre-K through University Educators, Parents and Clinicians

February 14-16, 2013 • At The Historic Fairmont Hotel, Nob Hill • **San Francisco, CA**



EDUCATING FOR CREATIVE MINDS: USING BRAIN SCIENCE TO IGNITE INNOVATION AND IMAGINATION

Explore the latest research on:

- **Cultivating Creativity in Classrooms**
- **Increasing Innovation in Our Schools**
- **Daydreaming, Insight and Reflection**
- **Training Thinking and Reasoning Skills**
- **Science of Creativity, Art and Aesthetics**
- **Providing Performing Arts for Learning**
- **Promoting Play, Improv and Imagination**
- **Teaching Math and Science Thinking**
- **Creating 21st Century Schools**
- **Integrating the Arts in Curriculum**
- **Imaginative Gifts of ADHD and Autism**
- **Connecting Music, Math and Language**
- **Benefits of Creativity for a Changing World**
- **Using Technology and Group Collaboration**
- **Design and Video Games for Thinking**

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UPCOMING L&B CONFERENCES / SUMMER INSTITUTES (See inside)

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IMPROVING INNOVATION AND IMAGINATION IN STUDENTS

A 2011 report by the Presidential Committee on the Arts and Humanities found that today's high school graduates are "lacking the creative and critical thinking skills needed for success in post secondary education and the workforce." Neuroscience research shows how the arts and creativity support crucial brain development and learning. Explore the "science of creativity" and discover classroom strategies to ignite imagination, innovation and creative thinking skills in students to prepare them for the 21st Century economy.

LEARNING OBJECTIVES

You will gain knowledge about:

- ✓ Ways to integrate creativity and the arts in schools
- ✓ The neuroscience of creativity, the arts and aesthetics
- ✓ Teaching strategies to foster innovation and imagination
- ✓ Ideas for incorporating 21st Century skills in the classroom
- ✓ Promoting reflection, insight and problem-solving skills
- ✓ Applying brain research to enhance cognitive creativity
- ✓ Teaching reasoning, critical and creative thinking skills
- ✓ Linking learning disorders with divergent thinking
- ✓ Improving thinking skills in reading, math and science
- ✓ Benefits of imagination and play for autism and learning
- ✓ Using design, games and collaboration for innovation

CO-SPONSORS

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Dept. of Speech, Language and Hearing Sciences, **Boston University**

The Dana Alliance for Brain Initiatives, **The Dana Foundation**

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The John F. Kennedy Center for the Performing Arts

Edutopia, **The George Lucas Educational Foundation**

School of Education, **Johns Hopkins University**

Learning & the Brain Foundation

NASSP

WHO SHOULD ATTEND

Educators, Parents

Curriculum and Staff Developers

Speech-Language Pathologists

PS-12 Teachers and Administrators

Learning Specialists, Special Educators

Psychologists, Social Workers, Counselors

Reading, Language, Math Educators

Art, Music, Theater, Literature Teachers

Superintendents, Principals, School Heads

Science, Technology, 21st Century Leaders

Neuroscientists, Neuropsychologists

Occupational, Physical Therapists

College, University Professors

Researchers, Policy Makers

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Professional Credit: Earn up to 17-20 hours toward professional development credit for educators, psychologists, speech-language professionals, social workers, special education professionals and certified counselors. Access LearningAndTheBrain.com for more information on the availability of professional development credits, or call 781-449-4010 ext. 102. Certificates of attendance and credits are free via email. However, there is a necessary $5 fee for shipping and handling, if mailed. Please add $5 to the registration fee, if you wish to have them delivered by mail.

Speech-Language Pathologists: Please download your brochure from LearningAndTheBrain.com to learn more about available ASHA credits.

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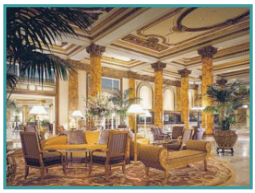

Rooms start at $219 per night (plus applicable taxes). **Call The Fairmont San Francisco Hotel (site of the conference) at 1-800-441-1414 or 415-772-5175 and refer to "Learning & the Brain."** The discount rate will no longer apply when the block is full, or after January 24, 2013. If the hotel block is filled, access LearningAndTheBrain.com or call PIRI's reservations center at (781) 449-4010 ext. 101 or 102 for additional hotel choices. Located at the top of Nob Hill, The Fairmont Hotel provides a spectacular panoramic view of the "City on the Bay."

CONFERENCE PROGRAM TOPICS

WITH A DISTINGUISHED FACULTY

CULTIVATING CREATIVITY AND IMAGINATION IN STUDENTS

The Creating Brain: The Neuroscience of Creativity

Nancy C. Andreasen, MD, PhD, Chair, Department of Psychiatry; Director, Neuroimaging Research Center and Mental Health Clinical Research Center, University of Iowa Carver College of Medicine; A leading expert on creativity; Recipient, President's National Medal of Science; Author, *The Creating Brain: The Neuroscience of Genius* (2005)

Creative Teaching for the 21st Century

R. Keith Sawyer, PhD, Professor of Education, Psychology and Business, Washington University in St. Louis; Author, *Explaining Creativity: The Science of Human Innovation* (2012, 2nd Edition), "A call to action: The challenges of creative teaching and learning" (2011, *Teachers College Record*) and "The cognitive neuroscience of creativity" (2011, *Creativity Research Journal*)

Creative Brains: Maximizing Imagination and Innovation in Students

Shelley H. Carson, PhD, Psychologist; Adjunct Faculty, Department of Psychology, Harvard University; Researcher on creativity; Blogger, *Psychology Today*; Author, *Your Creative Brain: Seven Steps to Maximize Imagination, Productivity and Innovation in Your Life* (2010)

Simple Steps to Boost Creativity in Children

Christine L. Carter, PhD, Sociologist; Director, Parenting Programs, Greater Good Science Center, University of California, Berkeley; Blogger, *Psychology Today*; Author, *Raising Happiness: 10 Simple Steps for More Joyful Kids and Happier Parents* (2011) and "Everyday Art" (2009, *Why Make Art – Greater Good Magazine*); Innovation Consultant for Fortune 500 companies

Nurturing Creativity in the Classroom

James C. Kauffman, PhD, Professor of Psychology; Founding Director, Learning Research Institute, California State University, San Bernardino; Author, *Creativity 101* (2009); Co- Editor, *Teaching Creatively and Teaching Creativity* (2012) and *Nurturing Creativity in the Classroom* (2010); and **Ronald A. Beghetto, PhD**, Associate Dean for Academic Affairs; Associate Professor of Education Studies, College of Education, University of Oregon; Associate Editor, *Journal of Creative Behavior* and *International Journal of Creativity and Problem Solving*; Author, *Killing Ideas Softly? The Promise and Perils of Creativity in the Classroom* (forthcoming); Co-Editor, *Nurturing Creativity in the Classroom* (2010)

Developing Student Creativity in a Technology Driven World

Lucy Jo Palladino, PhD, Award-Winning Psychologist; Child Development Expert; Former Clinical Faculty, University of Arizona Medical School; Author, *Find Your Focus: An Effective New Plan to Defeat Distraction and Overload* (2007)

FOSTERING THINKING SKILLS IN CONTENT, MATH AND SCIENCE

Mathematical Cognition, Thinking and Education in a New Era

Keith J. Devlin, PhD, "The Math Guy" on National Public Radio; Co-Founder and Executive Director, H-Star Institute, Stanford University; World Economic Forum Fellow and a Fellow of the American Association for the Advancement of Science; Recipient of the Carl Sagan Award; Author, *Introduction to Mathematical Thinking* (2012) and *Mathematics Education for a New Era: Video Games as a Medium for Learning* (2011)

Imagination and the Fires Within: Design and Math Thinking for the 21st Century

Shelley V. Goldman, EdD, Professor of Education; Director, Learning Sciences and Technology Design; Principal Investigator, REDlab Research in Education & Design; Stanford University School of Education; Former Elementary and Middle School Teacher; Author, "Destination, imagination and the fires within," (2010, *International Journal of Art & Design Education*); Co-Editor, *Educating Learning Technology Designers* (2008) and *Thinking Practices in Mathematics and Science Learning* (1998)

Developing the Language of Thinking: Fostering Creative and Critical Thinking

Jeff Zwiers, EdD, Clinical Researcher, Center to Support Excellence in Teaching, Stanford University; Director, Academic Language and Literacies in Every Subject; Author, *Academic Conversations: Classroom Talk That Fosters Critical Thinking and Content Understandings* (2011), *Building Reading Comprehension Habits in Grade 6-12 (2010)* and *Building Academic Language* (2007)

Fostering Student Creativity by Teaching with Unifying Concepts in Science and Art

Susan G. Zwirn, EdD, Associate Professor of Arts Education, Hofstra University; Author, "Research study: The artist teacher in the K-12 classroom" (2010, *Studies in Art Education*); Instructor on brain research, learning and the arts; and **Jacqueline G. Brooks, EdD**, Professor of Science Education; Director, Institute for the Development of Education in the Advanced Sciences, Hofstra University; Author, *Big Science for Growing Minds* (2011), *Schooling for Life* (2002) and *In Search of Understanding* (2001)

UCSF "BRAIN SCAN" TOUR: THE BRAIN IN ACTION

WEDNESDAY, FEBRUARY 13 – 2:00, 3:00 *or* 4:00 PM
(COST PER PERSON: $150)

*Sponsored by the **UCSF Neuroscience Imaging Center**, University of California, San Francisco*

Take this unique opportunity to see an fMRI brain scan in action. Call 781-449-4010 ext. 101 for information and to register for a tour. One person from each tour will be selected by UCSF to have their brain scanned. Brain scans will take place **offsite** at the UCSF campus in San Francisco, CA. The UCSF imaging center building is accessible from the Fairmont San Francisco via public transit. Directions will be provided.

Scan QR Code
for more information

CONFERENCE BEGINS 1:30 PM, FEBRUARY 14



IMPLEMENTING INNOVATION IN SCHOOLS FOR THE FUTURE

The Creativity Edge in Education: Arts, Technology and Passion

Milton Chen, PhD, Senior Fellow and Executive Director Emeritus, Edutopia, The George Lucas Educational Foundation; Former Assistant Professor, Harvard Graduate School of Education; Former Director of Research, Sesame Workshop's *Sesame Street, The Electric Company* and *3-2-1 Contact*; Fulbright New Century Scholar; Author, *Education Nation: Seven Leading Edges of Innovation in Our Schools* (2010)

Bringing Innovation to Schools: Empowering Students for a Changing World

Suzie I. Boss, PhD, National Faculty Member, the Buck Institute for Education; Blogger, Edutopia; Contributor, Stanford Social Innovation Review, Stanford University; Author, *Bringing Innovation to School: Empowering Students to Thrive in a Changing World* (2012); Co-Author, *Reinventing Project-Based Learning: Your Field Guide to Real-World Projects in the Digital Age* (2008)

The Art of Teaching Creativity and Innovation

Tina L. Seelig, PhD, Neuroscientist; Executive Director, Stanford Technology Ventures Program, School of Engineering; Director, Stanford Entrepreneurship Network, Stanford University; Director, National Center for Engineering Pathways to Innovation; Winner of the 2009 Bernard M. Gordon Prize from the National Academy of Engineering for Innovation in Engineering and Technology Education and the 2008 National Olympus Innovation Award; Author, *inGenius: A Crash Course on Creativity* (2012)

Mind Expansion as a Means to Innovation

Roberta B. Ness, MD, MPH, Internationally Renowned Physician and Scientist; Dean, School of Public Health and School of Biomedical Informatics, Health Science Center at Houston, University of Texas; Developer of the "Innovative Thinking" course; Author, *Innovation Generation: How to Produce Creative and Useful Scientific Ideas* (2012)

Creativity and Innovation: Man vs Machine

Charles K. Fadel, MBA, Founder/Chairman, Center for Curriculum Redesign; Visiting Practitioner, Mind, Brain and Education Program, Harvard Graduate School of Education; Global Education Lead, Cisco Systems; Cisco Board Member at the Partnership for 21st Century Skills; Co-Author, *21st Century Skills: Learning for Life in Our Times* (2009)

DEVELOPING INSIGHT, PROBLEM-SOLVING AND REASONING SKILLS

Reasoning Ability: Neural Mechanisms, Development and Plasticity

Silvia A. Bunge, PhD, Neuroscientist; Associate Professor, Department of Psychology and Helen Wills Neuroscience Institute; Principal Investigator, Building Blocks of Cognition Lab; Principal Investigator, The Neurodevelopment of Reasoning Ability Study, University of California, Berkeley; Co-Author, "Experience-dependent plasticity in white matter microstructure: Reasoning training alters structural connectivity" (2012, *Frontiers in Neuroanatomy*)

The "Aha!" Moment: The Cognitive Neuroscience of Insight

Mark Beeman, PhD, Associate Professor of Psychology, Cognitive Neuroscience Program, Northwestern University; Co-Author, "Visual attention modulates insight versus analytic solving of verbal problems" (2012, *The Journal of Problem Solving*), "Aha! The cognitive neuroscience of insight" (2009, *Current Directions in Psychological Science*) and "The origins of insight in resting-state brain activity" (2008, *Neuropsychologia*)

Group Genius: The Power of Collaborative Brainstorming, Flow and Insight

R. Keith Sawyer, PhD, Professor of Education, Psychology and Business, Washington University in St. Louis; Author, *Group Genius: The Creative Power of Collaboration* (2007); Editor, *Structure and Improvisation in Creative Teaching* (2011)

Exploring the Neural Correlates of Insight Solutions and Visual Creativity

Lisa S. Aziz-Zadeh, PhD, Assistant Professor, Brain and Creativity Institute; University of Southern California; Author, "Exploring the neural correlates of visual creativity" (2012, *Social Cognitive and Affective Neuroscience*) and "Aha!: The neural correlates of verbal insight solutions." (2012, *Human Brain Map*)

Brains "At Rest": Implications of Reflection and Daydreaming for Learning and Memory

Mary Helen Immordino-Yang, EdD, Assistant Professor, Rossier School of Education; Research Assistant Professor, Brain and Creativity Institute, University of Southern California; Co-Author, "Rest is Not Idleness: Implications of the Brain's Default Mode for Human Development and Education" (2012, *Perspectives on Psychological Science*) and "Musings on the neurobiological and evolutionary origins of creativity via a developmental analysis of one child's poetry" (2011, *LEARNing Landscapes*)

CONFERENCE SCHEDULE:

Pre-Conference Workshops	Thursday, February 14	9:00 AM – 12:00 PM
Conference Day 1	Thursday, February 14	1:30 PM – 5:30 PM
Conference Day 2	Friday, February 15	8:30 AM – 5:30 PM
Conference Day 3	Saturday, February 16	8:30 AM – 5:00 PM

BENEFITS OF THE ARTS ON BRAINS, LANGUAGE AND LEARNING

The Artful Brain: The Neuroscience of Art and Aesthetics

Vilayanur S. Ramachandran, PhD, Director, Center for Brain and Cognition, University of California, San Diego; Adjunct Professor, Biology, the Salk Institute; Recipient, Presidential Lecture Award, American Academy of Neurology; Recipient, One of the 100 Most Influential People, *TIME Magazine*; Author, *The Tell-Tale Brain: A Neuroscientist's Quest for What Makes Us Human* (2012)

Experiencing Art: In the Brain of the Beholder

Arthur P. Shimamura, PhD, Creative Photographer; Professor, Psychology, University of California, Berkeley; Director, Cognitive Neuroscience Laboratory; Faculty, Helen Wills Neuroscience Institute; Scientific Advisor, San Francisco Exploratorium Science Museum; Co-Editor, *Aesthetic Science: Connecting Minds, Brains and Experience* (2012)

Integrating Art, Learning and Creativity in School Curriculum

Julia Marshall, EdD, MFA, Studio Artist; Professor, Department of Fine Art, San Francisco State University; Research on curriculum development and arts integration; Artist-in-the-Museum with the Oakland Museum of California and the Bay Area Children's Museum; Member, Arts Education Task Force, California Arts Council; Author, "Five ways to integrate: Using strategies from contemporary art" (2010, *Art Education*) and "Connecting art, learning, and creativity" (2005, *Studies in Art Education*)

Bridging The Arts and Humanities with Brain Science and Education

Kenneth S. Kosik, MD, Co-Director, Neuroscience Research Institute; Harriman Chair and Professor of Neuroscience Research, Department of Molecular, Cellular and Developmental Biology, University of California, Santa Barbara; Founder/Executive Director, Clinical Research, Cognitive Fitness and Innovative Therapies, which uses therapies from music and games to reduce cognitive decline

The Neuropsychology of the Arts: Artistic Creativity, Talent, Beauty and the Brain

Dahlia W. Zaidel, PhD, Adjunct Professor, Behavioral Neuroscience, Brain Research Institute; Director, Brain, Cognition, and Neuropsychology Lab, University of California, Los Angeles; Researcher on art and talents who has studied Einstein's brain; Author, "Neuroscience, biology, and brain evolution in visual art" (2011, *The Aesthetic Mind*)

When Walls Become Doorways – The View from Creative Classrooms: An Empirical Investigation of the Impact of Arts Integration on Student Outcomes

Ivonne C. O'Neal, MA, Director of Research and Evaluation, The John F. Kennedy Center for the Performing Arts; Member, American Psychological Association and American Association of Museums; Former Associate Curator, Museum of Creativity, Milken Family Foundation

Tuning Up the Brain: Biological Benefits of Music Education for Language and Learning Skills

Nina Kraus, PhD; Hugh Knowles Professor, Principal Investigator, Auditory Neuroscience Laboratory, Northwestern University; Co-Author, "A little goes a long way: How the adult brain is shaped by musical training in childhood" (2012, *The Journal of Neuroscience*); and **Jessica Slater, PhD Candidate**, Auditory Neuroscience Laboratory, Communication Services and Disorders, Northwestern University

IMAGINATION, IMPROV AND PLAY FOR LEARNING AND DISORDERS

A New Culture of Learning: Cultivating Imagination and Play for a World of Constant Change

John Seely Brown, PhD, Visiting Scholar and Advisor, Provost, University of Southern California; Independent Co-Chairman, Center for the Edge, Deloitte; Co-Founder, Institute for Research on Learning; Member, American Academy of Arts and Sciences and the National Academy of Education; Co-Author, *A New Culture of Learning: Cultivating the Imagination in a World of Constant Change* (2011)

The Imaginative Gifts of ADHD: How Fantasy Creates Reality

Lara Honos-Webb, PhD, Clinical Psychologist; Former Assistant Professor, Santa Clara University; Former Postdoctoral Research Fellow, University of California, San Francisco; Author, *The Gift of ADHD: How to Transform Your Child's Problems into Strengths* (2005)

Dreamers, Discoverers and Dynamos: Helping Divergent Thinkers Stay Focused in Class

Lucy Jo Palladino, PhD, Award-Winning Psychologist; Child Development Expert; Former Clinical Faculty, University of Arizona Medical School; Author, *Dreamers, Discoverers and Dynamos: How to Help the Child Who is Bright, Bored and Having Problems in School* (1999)

The Neural Substrates of Musical Improvisation

Charles J. Limb, MD, Associate Professor, Head and Neck Surgery, Johns Hopkins University; Peabody Conservatory of Music; Researcher on neural connections to music, creativity and improvisation; Author, "Neural Substrates of Spontaneous Musical Performance: An fMRI Study of Jazz Improvisation" (2008, *PLoS ONE*)

Fostering Play and Imagination in Children with Autism with Typical Peers

Pamela J. Wolfberg, PhD, Professor, Special Education, San Francisco State University; Faculty Advisor, Autism Spectrum Program; Founder, Autism Institute on Peer Socialization and Play; Author, *Play and Imagination in Children with Autism* (2009)

Spontaneity, Creativity and Improv in Class: The Theater Games of Viola Spolin

Benjamin Bernstein, PhD, Psychologist; Performance Coach; Music Producer and Composer; Theater Director who studied under Viola Spolin, author of the landmark book, *Improvisation for the Theater*; Opera Composer; Internationally recognized Shakespeare scholar; Author, *Test Success!: How to be Calm, Confident, and Focused on Any Test* (2012)

VISIT LearningAndTheBrain.com for more information and additional speakers.

PRE-CONFERENCE WORKSHOPS

THURSDAY, FEBRUARY 14 9:00 AM –12:00 PM

(Cost per person: $169. By advance registration only. Select one of six. Add $25 fee if you are not attending the conference.)

1. To The Max: Teaching to Spark Creativity and Ignite Learning

Creativity deepens understanding; understanding empowers creativity. This complementary relationship suggests that creative thinking deserves a central role in teaching. Dr. Washburn will explore with you instructional approaches that nurture learning by igniting creativity, and provide a framework for designing creativity-enriched instruction.

Kevin D. Washburn, EdD, Executive Director, Clerestory Learning; Author, *Architecture of Learning: Design Your Teaching for How the Brain Learns* (2010)

2. Experience the Creativity and Connections of The Arts

Explore how the performing arts — drama, music and dance — provides a unique experience of the creative process and of deeper connections. Dr. Bernstein will lead you through this process for deep connections on four levels (score/script, space, character and relationship), and you will have the opportunity to see and hear how the original creator's intention is brought to life through great music, theater and dance. You will be an active participate in this creative process and you will be coached as student performer through a series of exercises and performance pieces as you explore the effects of these deeper connections.

Benjamin Bernstein, PhD, Performance Psychologist; Theater Director; Opera Composer; Internationally recognized Shakespeare scholar

3. Teaching Math Through Music

Discover how to bring music into the elementary school math classroom. Academic Music is a curriculum designed to use music notes, tapping, clapping and rhythmic drumming to helps students learn difficult math concepts. For example, it encourages a deeper understanding of fraction reasoning by relating math to music and shows the relationship of musical rhythms to different sizes of fractions. You will learn how to use music instruction to teach math, fractions and numbers, as well as to reduce your own discomfort with teaching difficult mathematical concepts. This workshop will provide you with clear directions and examples of lesson plans.

Susan J. Courey, PhD, Associate Professor; Mild/Moderate Program Coordinator, Dept. of Special Education, San Francisco State University; Researcher on the correlation between music education and math skills; **Endre L. Balogh, MEd**, Founder, Director and Lead Teacher, Toones Academic Music

4. Teaching and Learning in the Era of the Brain

The fields of neuroscience, cognitive science, psychology, communication, and education have provided valuable information for educators regarding teaching and learning. You will explore information from these fields about the importance of the brain in the learning and teaching process, and factors that can help facilitate real learning. Learn strategies that help take advantage of how the brain learns best and how to incorporate 21st Century Skills, which are now part of the new Common Core State Standards.

David Ghoogasian, President, The Lyceum; Instructor, Extensions Program, University of California, Riverside and University of California, Irvine; Former Principal; Member, Visiting Committees for the Western Association of Schools and Colleges, the Accrediting Commission for Schools, and the California Association for the Gifted; Recipient of UC Irvine's "Distinguished Instructor Award"

5. Building the Foundation for the Reading Brain in PreK-6

Reading with comprehension is the linchpin for school success. Dr. Wolfe will explain how the brain's plasticity allows it to use structures and circuits originally devoted to other purposes to build the capacity to read. She will also discuss the critical stages in the reading process, causes of dyslexia and early strategies to increase reading fluency and comprehension.

Patricia Wolfe, EdD, Adjunct Professor, North Idaho College; Former Teacher; Educational Consultant; President, Mind Matters, Inc.; Author, *Brain Matters: Translating Research into Classroom Practice* (2010, 2nd Edition); Co-Author, *Building the Reading Brain* (2009, 2nd Edition)

6. Critical and Creative Thinking for the 21st Century

This engaging workshop presents innovative, easy to implement strategies and ideas for successfully teaching students how to become better creative and critical thinkers. Learn how to use logic stories to enhance divergent and convergent thinking while developing skills for problem-solving, critical thinking, group process, listening, speaking, and creativity. A variety of successful teaching techniques will be shared as well as numerous writing and thinking activities.

Scott Hobson, MA, Educational Consultant; Former Principal, Assistant Principal, and Master Teacher; Author, *Breakfast for the Brain* (2012); and **Nathan Levy, PhD**, Gifted Educator: Author, *Stories with Holes* (2007); Co-Author, *Thinkology* (2012)

SPECIAL EVENTS/TOURS

"MEETING OF THE MINDS" RECEPTION

THURSDAY, FEBRUARY 14, 2013 from 5:30 PM - 6:30 PM — Free & Open to All Attendees

Enjoy this opportunity to meet other attendees and some of the nation's brightest minds.

Sponsored by **THE DANA ALLIANCE FOR BRAIN INITIATIVES. Advance registration required on the registration form.**

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Proposal deadline January 18, 2013

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THE POWER OF MINDSETS: PROMOTING POSITIVE SCHOOL CLIMATES AND MOTIVATION IN STUDENTS - JUNE 25-28, 2013

Cambridge, MA

Workshop Leader: Robert Brooks, PhD, Assistant Clinical Professor of Psychology, Harvard Medical School; Author, *Raising a Self-Disciplined Child* (2007) and *Understanding and Managing Children's Classroom Behavior* (2007)

THE NEUROSCIENCE OF READING: USING RESEARCH TO UNDERSTAND READING ACQUISITION AND DISORDERS - JULY 9-12, 2013

Cambridge, MA

John D. E. Gabrieli, PhD, Professor of Brain and Cognitive Sciences; Associate Director, Athinoula A. Martinos Imaging Center, McGovern Institute for Brain Research, Massachusetts Institute of Technology; Co- Author, "Brain basis of phonological awareness for spoken language in children and its disruption in dyslexia" (2012, *Cerebral Cortex*)

NEUROSCIENCE AND THE CLASSROOM: STRATEGIES FOR MAXIMIZING STUDENTS' ENGAGEMENT, MEMORY AND POTENTIAL - JULY 23-26 or JULY 30-AUG. 2, 2013

Santa Barbara, CA

Workshop Leader: Judy Willis, MD, EdM, Board-Certified Neurologist, Former Teacher, Author, *Research-Based Strategies to Ignite Student Learning* (2006); Contributing Author, "Current impact of neuroscience in teaching and learning" (2010, *Mind, Brain & Education*)

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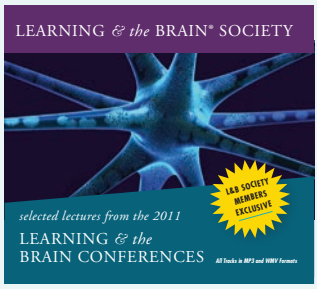

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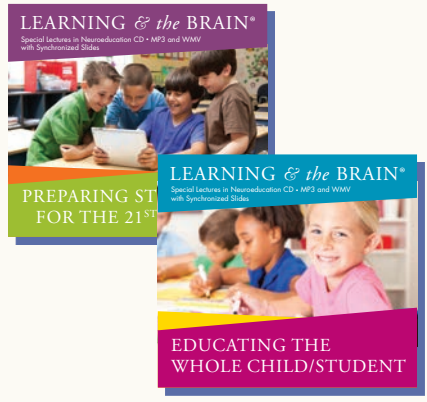
- Educating the Whole Child/Student
- Preparing Students for the 21st Century



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MOTIVATION AND MINDSETS

APRIL 10, 2013 IN NEW YORK CITY
Held at Alfred Lerner Hall

Co-sponsors include: **Dana Alliance for Brain Initiatives, NYC**, part of Dana's "Brain Awareness Week" Campaign

THE SCIENCE OF MOTIVATION AND MINDSETS FOR SCHOOL SUCCESS

Cognitive and social neuroscience research show that students' mindsets, or belief in their success, do make a difference in whether they can succeed in school, and that fears, bias, stress , etc., can hamper motivation, goals and achievement. Learn about strategies and methods you can use to optimize your student's motivation and mindsets in the classroom so they can reach their full potential and succeed.

FEATURED SPEAKER:

Heidi Grant Halvorson, PhD, Associate Director, Motivation Science Center, Columbia University; Blogger, *Psychology Today*; Rising star in the field of motivational science; Lecturer on "Motivational Mindsets"; Member of the American Psychological Association, the Association for Psychological Science and the Society for Personality and Social Psychology; Author, *Success: How We Can Reach Our Goals* (2011); Co-Author, *Nine Things Successful People Do Differently (2012)* and *The Psychology of Goals* (2009)

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FEATURED SPEAKERS:

Howard E. Gardner, PhD, John H. and Elisabeth A. Hobbs Professor of Cognition and Education, Harvard Graduate School of Education; Adjunct Professor of Psychology, Harvard University; Senior Director, Harvard Project Zero; Winner of the MacArthur Prize; Author, *The Unschooled Mind* (2011), *Five Minds for the Future* (2009) and *Multiple Intelligences: New Horizons* (2006); Co-Author, "Executive function from a multiple-intelligences perspective" (*Executive Function in Education: From Theory to Practice,* 2007)

Martha B. Denckla, MD, Batza Family Endowed Chair; Director, Developmental Cognitive Neurology, Kennedy Krieger Institute; Professor of Neurology, Pediatrics and Psychiatry, Johns Hopkins University School of Medicine; Co-Author, "Children with high functioning autism show increased prefrontal and temporal cortex activity during error monitoring" (2011, *Developmental Cognitive Neuroscience*) and "Neuropsychological profile of executive function in girls with ADHD" (*Child Neuropsychology*, 2010)

Russell A. Barkley, PhD, Professor of Psychiatry, Medical University of South Carolina; Past President, Clinical Child Psychology Section of the American Psychological Association and the International Society for Research in Child and Adolescent Psychopathology; Author, *The Barkley Deficits in Executive Functioning Scale-Children and Adolescents* (2012), *Executive Functions: What They Are, How They Work, and Why They Evolved* (2012) and *ADHD in Adults: What the Science Says* (2010); Co-Editor, *Assessment of Childhood Disorders* (2009)

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❍ **Experience the Creativity and Connections of The Arts**	9:00 am – 12:00 pm	$169 per person
❍ **Teaching Math Through Music**	9:00 am – 12:00 pm	$169 per person
❍ **Teaching and Learning in the Era of the Brain**	9:00 am – 12:00 pm	$169 per person
❍ **Building the Foundation for the Reading Brain in PreK-6**	9:00 am – 12:00 pm	$169 per person
❍ **Critical and Creative Thinking for the 21st Century**	9:00 am – 12:00 pm	$169 per person

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