

DOMAIN PARTNERS

Michael V. Wallace, Ed. D. is a history education consultant whose career includes secondary and collegiate level teaching, curriculum development, teacher workshops, and state and national panel presentations. As co-director of Arts Voyage, an arts-in-education collaboration, Dr. Wallace helped to create a humanities-based program of arts infusion for a public school district. As faculty associate for the Institute for Writing and Thinking at Bard College, he created a workshop on historical thinking through writing. He has presented papers and written articles on teaching methodologies and curriculum and is the co-author of the high school textbook *Practical Politics and Government*. Dr. Wallace's B.S. degree in history is from St. Joseph's University; his M.S. in Education was earned at the University of Pennsylvania; and his Ed.D. in history and social science education is from Temple University.

Daniel L. Smail, Ph.D., serving as a consultant on curriculum development, is Professor of History at Harvard University. A student of early history, Dr. Smail is the author of *On Deep History and the Brain*, in which he lays out a bold new case for bringing neuroscience and neurobiology into the realm of history. He also researches and writes extensively about European medieval history. Dr. Smail earned his MA from the University of Wisconsin and completed his Ph.D. at the University of Michigan before teaching at Fordham University for ten years. He joined the faculty at Harvard in 2006.

Exploratorium Museum of Science, Art and Human Perception – Chosen as our domain partner for the development of the science curriculum, San Francisco's Exploratorium was founded in 1969 by physicist Frank Oppenheimer. Oppenheimer viewed art and science as complementary ways of exploring the world, and incorporated both into the Exploratorium from its earliest days. In addition to the museum filled with hundreds of exhibits designed to help young and old become an active explorer, the Exploratorium maintains a website filled with over 25,000 pages of content and presents countless events and camps for kids, families and adults. They also create professional development programs for educators, and are at the forefront of changing the way science is taught as well as understanding how people learn. They share exhibits and expertise with museums and educators worldwide.

Linda Shore, Ph.D. is an Exploratorium Staff Scientist (astrophysics) and the Director of the Exploratorium Teacher Institute. She earned a doctorate in science education from Boston University (1991), with a research emphasis on science teacher learning and the impact of teacher classroom practices on student learning. Shore is the author of numerous articles on popular science, student learning, and teacher professional development. She is also the co-author of the award winning "Science Explorer" series of activity books for children and their families.

Henry Segerman, Ph.D. is currently a post-doctoral researcher at the University of Melbourne where he concentrates on topology and 3-dimensional geometry. He earned his Master of

Mathematics from the University of Oxford, his doctorate from Stanford University, and completed post-doctorate study at the University of Texas at Austin. He is a member of the Academic Studio's international Advisory Council, as well as the New Media Consortium, an international organization which explores the use of new technologies on learning and creativity. He is a regular presenter at the international Bridges Conference on the interactions between math and art.

Michael Starbird, Ph.D. University Distinguished Teaching Professor, University of Texas at Austin is one of the country's leading thinkers on mathematics teaching. He strives to present significant mathematical ideas to students and the general public in order to develop thinking skills that go far beyond numbers and procedures. He received his Ph.D. in mathematics from the University of Wisconsin, Madison. Starbird's books include, with co-author Edward B. Burger, the award-winning mathematics textbook for liberal arts students *The Heart of Mathematics: An invitation to effective thinking*; *The Joy of Thinking: The Beauty and Power of Classical Mathematical*; and *Coincidences, Chaos, and All That Math Jazz: Making Light of Weighty Ideas*. With David Marshall and Edward Odell he co-authored *Number Theory Through Inquiry*. His Teaching Company video courses in the Great Courses Series include *Change and Motion: Calculus Made Clear*; *Meaning From Data: Statistics Made Clear*; *What are the Chances? Probability Made Clear*; and *Mathematics from the Visual World*. He has given more than 150 invited lectures at colleges and universities throughout the country. He was awarded the Mathematical Association of America's 2007 national teaching award.

Angela Housand, Ph.D. domain partner for English, is a specialist in the Schoolwide Enrichment Model for Reading (Reis and Renzulli, 2005), a program which has earned national recognition for its ability to develop booklovers among the current generation of "wired-in" students. Dr. Housand's area of expertise includes student mastery of self-regulation skills. She focuses on helping students develop their own learning projects in a digital environment. Dr. Housand received her doctorate in Educational Psychology and Talent Development from the University of Connecticut in 2008. She is an Assistant Professor at the University of North Carolina at Wilmington. She also has a degree in Architecture from Kansas State University.

Collective Invention helps leaders of innovation create, articulate and implement visionary futures. Their work integrates relevant research, design thinking, and collective wisdom. Much of Collective Invention's work focuses on breakthrough approaches to education, health, and environmental sustainability. Collective Invention is a multi-disciplinary team that leverages insights from anthropology, architecture, design, performing arts, media, and business. Based in San Francisco, they work internationally for both profit and nonprofit organizations, including philanthropies, NGOS, corporations, and government agencies.