

Join EDC and the Coalition for Elementary Science for the

Elementary Science Summit:

Preparing K-5 for a STEM Future

November 30, 2018, 8:30 - 3

Education Development Center, Waltham, MA

Register here: <https://elemscisummit2018.eventbrite.com>



Research shows that children with hands-on science opportunities at an early age have greater STEM success later in life. However, most elementary age children get little, if any, time for science. One New England state, for example reported that **45% of students in PreK–grade 2 and 35% of students in grades 3-5 receive less than 9 hours of science instruction per year.** Science is a pathway to STEM innovation, careers, and future success but by depriving our students of science in the early grades we are setting them up to struggle. If we want to reverse these trends, we have to start early. The Elementary Science Summit will take the first concrete steps to reversing that trend in New England.

Join educators, school and district administrators, business leaders, parents, journalists and philanthropists from across New England for a day of:

- Learning about the current state of science in New England's elementary schools
- Experiencing high quality elementary science teaching
- Meeting principals who have elevated science in their schools and sustained their students' strong learning outcomes
- Creating action plans you can pursue with others in your state to make elementary science a reality for *all* children

To learn more about this event, contact Abigail Jurist Levy, alevy@edc.org, and visit <http://www.edc.org/coalitionforES>.

Inaugural Advisors

Margaret Carrera-Bly, Science Specialist, Vermont Agency of Education

Patricia Fitzsimmons, Assistant Director, Standards and Assessment, Vermont Agency of Education

Barbara Hopkins, Science and leadership consultant, New England

Tom Keller, EdD, Science Education/Systems Specialist, National

Peter McLaren, Executive Director, Next Gen Education, LLC, Rhode Island

Ronald Michaels, K-12 Science Consultant, Connecticut Department of Education

Nicole Scola, Science Specialist, Massachusetts Department of Education

Shari Templeton, Science & Technology Specialist, Maine Department of Education

Featured speakers



Heidi Schweingruber, Ph.D., Director, Board on Science Education at the National Research Council (NRC). Dr. Schweingruber co-directed the foundational study for *A Framework for K-12 Science*

Education (2011), which initiated the revision of national standards for K-12 science education. She co-directed the study for *Taking Science to School: Learning and Teaching Science in Grades K-8*, and served as an editor on the NRC report *Mathematics Learning in Early Childhood: Paths to Excellence and Equity* (2009). She co-authored two award-winning books for practitioners: *Ready, Set, Science! Putting Research to Work in K-8 Science Classrooms* (2008) and *Surrounded by Science* (2010). Dr. Schweingruber is a nationally recognized leader in leveraging research findings to catalyze improvements in science and STEM education policy and practice.



Erin Hashimoto-Martell, Ph.D., Director of STEM, MA Department of Elementary and Secondary Education. Prior to her work at DESE, Dr. Hashimoto-Martell worked for over a decade in the Boston Public Schools where she

was a district science coach, director of instruction, elementary science specialist, and middle school science teacher. Additionally, she has worked at the Boston Museum of Science, taught science methods courses at various higher education institutions, and was an environmental educator for the San Mateo County Office of Education in California. Erin is particularly committed to supporting underrepresented groups' engagement with science and math, and the ability of education to facilitate social justice.



Val Zanchuk, President of Graphicast, Inc., manufacturer of precision-machined zinc alloy castings, and a “Best Company in New Hampshire” twice in ten years. Mr. Zanchuk has been

active in STEM education and workforce development issues for over 20 years. He is past chair of the Business and Industry Association of New Hampshire, chair of the Manufacturing Strategic Partnership Initiative, chair of the Governor’s Pre-Engineering and Technology Advisory Council, and chair of the New Hampshire Learning Initiative. He is a board member of the SEE Science Center in Manchester, Workforce Accelerator 2025, and serves on the New Hampshire State Workforce Innovation Board. Val also serves on advisory committees for the New Hampshire Technical Institute, CTE centers in Manchester and Peterborough, NH, and on the legislative advisory committee on CTE education. Mr. Zanchuk received his BS and MEng in Metallurgy and Materials Science from Lehigh University, and holds two US patents.



Scott Sedberry, Strategic Alliance Director, Texas Instruments. Mr. Sedberry leads efforts to explore and develop strategic partnerships for TI's Education Technology Group. He played a key role in leading the collaboration of the STEM

professional organizations Advance CTE, Association of State Supervisors of Mathematics, Council of State Science Supervisors, and International Technology and Engineering Educators in the joint authorship of the paper, *STEM4: The power of collaboration for change*.