National Academies of Sciences, Engineering, and Medicine
Board on Science Education

Call to Action on Science Education K-16
March 24, 2021 Public session agenda (5-6:30pm ET/4-5:30m CT/3-4:30 pm MT/2-3:30pm PT)

5:00-5:05 pm ET	**Welcome** **Margaret Honey**, President and CEO, New York Hall of Science, Committee Chair
5:05-5:45pm ET	**Panel on Science Learning in Higher Education: Policies Related to Transitions into and within Higher Education** **Elaine Maimon,** former President of Governors State University and currently an Advisor to the American Council on Education **Mark Mitsui,** President, Portland Community College **Kathleen Plinske,** Executive Vice President and Provost, Valencia Community College **Marty Alvarado,** Executive Vice Chancellor for Educational Services, California Community Colleges
5:45-6:25pm ET	**Panel on Policies to Improve Science Learning in Grades K-12** **Doug Paulson,** Executive Director of Curriculum and Instruction, Minnesota Department. Of Education **Karen Kidwell,** former Director of Program Standards at the Kentucky Department of Education and currently the Central Kentucky Coordinator for NaviGo College and Career Prep Services **Maria Santos,** former Director, School/District Services Engagement, Comprehensive School Assistance Program, WestEd

Charge to the Committee: The National Academies of Sciences, Engineering, and Medicine will appoint an ad-hoc committee to author a national call to action to advance science education programs and instruction in K-12 and post-secondary institutions in ways that will prepare students to face the global challenges of the future both as engaged participants in society and as future STEM professionals. The call will draw on the National Academies' existing body of work in K-12 and undergraduate STEM education. Specially, the call will:

- Provide an argument for the importance of science education across K-16
- Identify the major challenges for implementing coherent science education K-16
- Discuss how science relates to the other STEM disciplines in K-16
- Describe the approaches to science education program and instructional practices that have shown to be most effective
- Provide recommendations for policy makers at the state and federal level to advance and strengthen science education K-16 programs and instructional practices
- Identify areas where more information is needed about how best to advance science education K-16