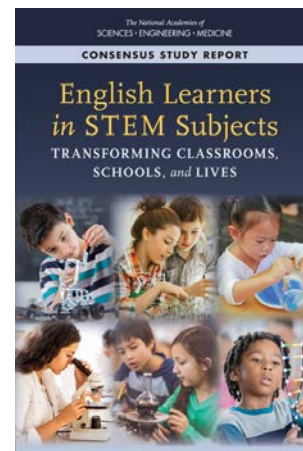


The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Board on Science Education
Division of Behavioral and Social Sciences and Education

**English Learners *in* STEM Subjects:
Transforming Classrooms, Schools, *and* Lives**

Tuesday, February 12th, 2019
9:00 am - 12:00 pm
Lecture Room, NAS Building
2101 Constitution Ave, NW, Washington, DC 20418



9:00-9:30 Welcome and Introduction to the Report
Heidi Schweingruber, *Director, Board on Science Education*
David Francis (committee chair), *University of Houston*

9:30-10:30 Panel: Engaging Families and Communities
• *How can we ensure that teachers and schools feel equipped to engage families and communities throughout ELs' STEM learning? How can we foster collaborations and partnerships between schools and local communities?*

Moderator:
Christine Cunningham, *Museum of Science, Boston*

Panelists:
• Christine McWayne, *Tufts University*
• Carla Johnson, *Purdue University*
• Sil Ganzó, *ourBRIDGE for Kids, Charlotte, North Carolina*
• Andrés Henríquez, *Vice President of STEM Learning in Communities, NYSCI*

10:30-10:45 Break

10:45-11:45 Panel: Creating a Supportive Policy Context
• *What role can federal policies play to insure ELs have access to rigorous STEM learning opportunities? What changes need to be made to reduce potential barriers to access as well as promote consistency across states?*

Moderator:
David Francis, *University of Houston*

Panelists:
• Julie Sugarman, *Migration Policy Institute*
• José Viana, *Office of English Language Acquisition, Department of Education*
• Anita Bright, *CAEP/TESOL International Program Coordinator, Portland State University*

11:45-12:00 Wrap up/Closing Reflections
Julio López-Ferrao, *National Science Foundation*
David Francis, *University of Houston*