

*The National Academies of*  
SCIENCES • ENGINEERING • MEDICINE

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

**Science and Engineering for Grades 6-12: Investigation and Design at the Center**

Tuesday, February, 12<sup>th</sup>, 2019 from 1:15 - 5:00 pm  
Lecture Room, National Academy of Sciences Building  
2101 Constitution Ave, Washington, D.C.

- 1:15-1:45**      **Welcome and Introduction to the Report on Investigation and Design**  
Heidi Schweingruber, Director, *Board on Science Education*  
Nancy Songer, Drexel University School of Education (committee co-chair)  
Brett Moulding, Partnership for Effective Teaching and Learning (committee co-chair)
- 1:45-2:45**      **Panel-Investigation and Design in the Classroom**  
• *What are the roles of teachers and students when investigation and design are at the center?*  
**Moderator:** Brett Moulding  
Andrea Tracy, Lawton High School  
Matt Krehbiel, Achieve  
Jaclyn Austin, Howard County Public Schools
- 2:45- 3:00**      **Break**
- 3:00-4:00**      **Panel-Resources for Investigation and Design**  
• *What is necessary to support teachers in the new approach? How can we ensure teachers have the appropriate preparation, professional learning opportunities, instructional resources, facilities, equipment, and supplies?*  
**Moderator:** Juan-Carlos Aguilar  
Kate McNeill, Boston College  
Ann Rivet, Columbia University  
Jim Ryan, OpenSciEd (*participating virtually*)
- 4:00-4:45**      **Discussion-How to Build an Inclusive System**  
• *What are the roles that leaders of schools, school districts, and state departments of education need to perform in order to build and maintain an inclusive system for science and engineering education that engages all students in investigation and design?*  
**Moderator:** Nancy Songer  
Maya Garcia, Office of the State Superintendent of Education, District of Columbia  
Carla Johnson, Purdue University  
Diane Jass Ketelhut, University of Maryland
- 4:45-5:00**      **Closing Reflections**  
Committee Sponsors: Scott Heimlich (Amgen Foundation)  
and Jim Short (Carnegie Corporation of NY)  
Committee co-chairs Nancy Songer and Brett Moulding
- 5:00**              **Adjourn**