

Archived Information

National Research Council Committee on Science Education, K-12

The Committee on Science Education (COSE K-12) is a standing board within the Center for Education at the National Research Council.¹ COSE is one of five standing boards at the Center, the others being the Committee on Undergraduate Science Education, the Board on Testing and Assessment, the Mathematical Sciences Education Board, and the Board on International Comparative Studies in Education. Each Standing board has a distinct mission, although boards often undertake joint project where interests overlap. The Committee on Science Education (K-12) resides within the Center for Education, which serves as the nucleus for education activities and expertise in the National Academies.

COSE's projects, many of which focus on increasing public understanding and supporting high-quality research, are accomplished by appointing working groups to develop concepts to proposal stage. Funded projects are then developed further and carried out by appointed committees of the NRC and result in an NRC publication, meeting, or other product. COSE's work has been supported by grants from the National Science Foundation, other government agencies, and private Foundations.

Publications that were prepared and written by committees building on COSE's thinking and work include the following:

Taking Stock: Investigating the Influence of Standards: A Framework for Research in Mathematics, Science, and Technology Education (2001). Available at <http://www.nap.edu/catalog/10023.html>

Currently, COSE is working with the Committee on Undergraduate Science Education to develop a study on educating and sustaining educators, K-20. This collaborative work will begin to address ways in which policy makers, institutional leaders, disciplinary and professional societies, and K-20 faculty can think about and take seriously the need to reshape roles, cultures, and policies in K-20 science teaching and teacher education.

Appropriate Contact information for COSE, K-12

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¹ Created in 1916, the National Research Council is the operating and research arm of the National Academies, which also includes the National Academy of Sciences, National Academy of Engineering, and Institute of Medicine. The National Academies serves as an adviser to the nation on any issues related to science, technology, and public policy. Detailed information about the National Academies is available at <http://nationalacademies.org>