



PHYSICS AND ASTRONOMY COLLOQUIUM

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“A Framework for K-12 Science Education, Its Role in the US and Its Messages for a Broader Audience”

Abstract

Published in 2012 by the National Research Council, the Framework lays out a vision of what is important for all students to learn in school science. It builds on previous NRC work that attempts to bring research on learning into decisions on science teaching. It is the guiding document of an effort to develop a set of "Next Generation Science Standards" that are likely to be adopted by multiple states in the US. I will discuss this and other roles it can play in improving science education opportunities both within the US and more broadly, with particular focus on its delineation of science practices and cross-cutting ideas as elements of science learning.

Wednesday, March 13, 2013