

April 2012 MDE Update on Next Generation Science Standards Development

The Next Generation Science Standards (NGSS) are being developed from the NRC *Framework for K-12 Science Education*. Getting to know the *Framework* now is a perfect first step in preparing for implementation of the standards that will be ready for adoption in very early 2013.

First Public Review of DRAFT Standards

The first public review of the standards will be held in May 2012 (beginning around May 1st or 2nd, if targets are met, and running for 3 weeks). For participants to give useful comments on the standards, they really need to understand that the standards are developed from the *Framework*. So our public review sessions will focus on getting to know the *Framework* and understanding its vision and intent well enough to assess how well the NGSS reflect that vision. More information about the *Framework* and the NGSS development process is available at <http://www.nextgenscience.org/>

The public will have **two chances** to review the standards while under development. As a Lead State in the standards development, Michigan will use these two public reviews as opportunities to inform our stakeholders. We are not planning to hold additional public reviews just prior to requesting State Board of Education (SBE) adoption.

Our Michigan Math and Science Centers will host introductory sessions to prepare participants for the first public review.

Links to the review materials and contact information for the Math and Science Centers will be posted on the MDE Science site
http://www.michigan.gov/mde/0,1607,7-140-28753_38684_28760---,00.html

NGSS Tentative Timeline (subject to change as plans evolve)

- May 2012 - Public Review
- Fall 2012 - Public Review (in preparation for anticipated SBE adoption)
- Later Fall 2012 and Winter 2012-3 - Support for SBE Adoption (Communication regarding need for planned transition, etc.)
- Early 2013 – Anticipated SBE Adoption (We are hoping for February so we can work from adopted standards at the March MSTA State Conference); support for adoption will include initial plans for transitioning to implementation.
- Spring - Fall 2013 - Develop and refine transition plans; focus on overarching practices and cross-cutting concepts as they fit within current curricular plans.
- School Year 2013-14 - Formalize transition plans, curriculum alignment plans, provide Professional Development to support transition.
- School Year 2013-14 - Begin planned implementation of overarching practices and focus on areas of current curricula that address cross-cutting concepts, etc.; begin planned implementation in other areas as appropriate.



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- School Year 2014-15 - Continue planned implementation (transition schedule defined by proposed changes in grade-level focus, Michigan Merit Curriculum (MMC) requirements, and proposed plans for assessment).
- School Year 2015-16 - Continue planned implementation (transition schedule defined by proposed changes in grade-level focus, MMC requirements, and proposed plans for assessment). Plans may call for full implementation at some (or even all) grade levels depending on scope of transition at the local level.
- School Year 2016-17 - Full K-12 implementation (probable, but still hinging on changes as listed above).
- First realistic opportunity for full state-level assessment of new standards; could begin to focus on portions of NGSS on earlier assessments based on transition plan.

Everything is subject to change as decisions made in other areas impact our work.

Current Work and Preparation in Michigan

The Next Generation Science Standards represent a critical step in our efforts to prepare Career and College Ready students. They complement the Common Core State Standards (CCSS) and lay out a plan for promoting STEM learning and science literacy in all Michigan schools.

In September 2011 we began planning for adoption, transition to implementation, and identifying necessary supports. We will continue to plan throughout the process – one great advantage of being a Lead State in the NGSS development. Our team will not underestimate the importance of supporting teachers and districts in planning and preparing for the transition to new science standards.

In partnership with the Michigan Science Teachers Association (MSTA), Math and Science Centers, university partners, and business and industry (through the Michigan STEM Partnership and Achieve, Inc.) we plan to provide the levels of support necessary to reap the benefits of the time and energy we have already invested in this project.

We look forward to hearing your feedback and to soliciting your continued participation as we plan for a second public review in the Fall, and proposed adoption in early 2013.

Sue

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