



# Maryland Next Generation Science Standards Implementation 2014-2015

## Phase 2 2014-2015 Classroom Transitions, Shifts, and Practices

Ongoing Consistent Messaging: Professional Learning; Instructional Shifts; Development and Implementation of Formative Assessments  
Ongoing Statewide coordination and collaboration to support Teachers, Supervisors, and Administrators

### Statewide Capacity/Network Building

NGSS presentations were conducted for Local School Boards, parents, business partners, building administrators at the CCR Conference Regional Follow-up sessions in the Fall 2014 and Winter of 2014 2015	Monthly NGSS Early Adopter States call with Achieve Monthly NGSS State Adopters' Network call with Widmeyer Communications	NGSS Network Annual Meeting on 2/2015
---	---	---------------------------------------

### Professional Learning

Professional Development for each level occurred during the summer of 2014 at the MSDE CCR Conferences with Follow-up Symposiums during the school year	Six Disciplinary Literacy in Science sessions during the summer of 2014 CCR Conferences with four Webinars during the school year	Planning for 2015 CCR Conferences: Understanding the Instructional Shifts in NGSS	Work with Maryland Science Supervisors Association (MSSA) to develop a PD timeline and implementation plan
---	---	---	--

### Instructional Practices/Shifts

Sessions at CCR Conferences in Summer of 2014 stress shifts needed in instruction	Ongoing MSDE Science Briefings with Science Supervisors to share and highlight best practices aligned with the NGSS	Continued Professional Learning: Instructional Shifts in place Statewide; development of Formative Assessments for use at varied levels	PD sessions using the EQuIP Rubric for Science with supervisors and teacher cadre
---	---	---	---

### Instructional Materials and Curriculum

Classroom Sample Assessment Tasks released by Achieve December 2014	Evidence Statements for High School released by Achieve January 2015	Educators from LEAs will participate on working committees at each level to begin development of support material for the MSDE Science Resource pages.	Evaluate newly developed material using the EQuIP Rubric on an ongoing basis
---	--	--	--

### Assessment

Middle School and High School Classroom Sample Assessment Tasks developed by Achieve were released in December 2014 and presented to the LEA Science Supervisors	Maryland is a member of the Science State Collaborative on Assessment and Student Standards (SCASS)	Science SCASS is developing sample lesson performances for middle and high school
--	---	---

### Data

Compiling recommendation for HS course sequence from LEA	Determine metrics to be tracked (e.g. course taking, student achievement) to inform instruction	Begin to track and report science related data
--	---	--

### Policy Shifts

Maryland State Board of Education adopted the COMAR 13A.04.09 Program in Science language edits December 2014	NGSS and High School Course Sequencing meetings with LEA representatives January and February 2015	Review HS Graduation requirements and alignment to NGSS with the Superintendents and Assistant Superintendents
---	--	--