



Maryland Next Generation Science Standards Implementation and Planning Document

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

Phase 3
2015-2016
Leveraging Materials, Resources, and Expertise

Phase 4
2016-2017
Statewide Application, Assessment, and Coordination

Phase 5
2017-2018
Full PreK-12 Implementation

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

Summer 2014	Winter 2014-2015	Winter 2015	Summer 2015	Winter 2015 -2016	2016-2017	2017-2018
<ul style="list-style-type: none"> Professional Development for each level occurred during the summer at the MSDE CCR Conferences with Symposium during the school year Professional Development focused on Disciplinary Literacy in Science with follow up webinars during the school year 	<ul style="list-style-type: none"> NGSS presentations were done for local school boards, parents, business partners, building administrators at the CCRC regional follow-up sessions Maryland State Board of Education adopted the COMAR 13A.04.09 Program in Science language edits on December 16, 2014 NGSS and high school course sequencing meeting with LEA representatives held January 2015 Representatives from LEAs will participate on working committees at each level to begin development of support material for the MSDE Resource pages 	<ul style="list-style-type: none"> NGSS Network Annual Meeting <ul style="list-style-type: none"> Maryland Team that will participate in this meeting. Dr. S. James Gates, Maryland State Board of Education member will be one of the keynote speakers. MSDE Winter Briefing: Possible Topics: <ul style="list-style-type: none"> NGSS and high school course sequencing (completed by March 1, 2015) Evidence statements for high School and middle School Elementary Classroom Sample Assessment Tasks 	<ul style="list-style-type: none"> MSDE CCR Conferences: Understanding the Instructional Shifts needed to best implement the NGSS Representatives from LEAs will participate on working committees at each level to begin development of support material for the MSDE Resource pages. 	<ul style="list-style-type: none"> Participate in multi-state assessment consortium with NGSS adopted states Representatives from LEAs will participate on working committees at each level to begin development of support material for the MSDE Resource pages. Evaluate newly developed materials using the EQuIP rubric 	<ul style="list-style-type: none"> Continue Professional Learning: Instructional shifts in place statewide; development of formative assessments for use at varied levels Focus on developing classroom formative assessment systems Evaluate newly developed materials using the EQuIP rubric Pilot Performance Assessments Determine metrics to be tracked (e.g. course taking, student achievement) to inform instruction Develop data collection plan for formative & summative assessments Consideration of alternate pathways, early college admission programs, approved CTE or other programs 	<ul style="list-style-type: none"> Continue Professional Learning: Instructional shifts in place statewide; development of formative assessments for use at varied levels Evaluate newly developed materials using the EQuIP rubric
<p>Fall 2014</p> <ul style="list-style-type: none"> NGSS presentations were done for Local School Boards, parents, business partners, building administrators at the CCR Conference Regional Follow-up sessions MSDE Fall Science Briefing : <ul style="list-style-type: none"> <i>Insight into the Achieve developed NGSS/CCSS-M Sample Classroom Assessment Tasks</i> 	<p>NGSS Assessment:</p> <ul style="list-style-type: none"> Middle school & high school Classroom Sample Assessment Tasks released December 2014 Evidence Statements for high school released January 2015 Science State Collaborative on Assessment and Student Standards is developing sample lesson performances 	<p>Spring 2015</p> <ul style="list-style-type: none"> Planning for MSDE CCR Conferences: Understanding the Instructional Shifts needed to best implement the NGSS MSDE Spring Briefing: Possible Topics: <ul style="list-style-type: none"> Evidence Statements for Elementary Level Accelerated Model Course Pathways 	<p>Fall 2015</p> <ul style="list-style-type: none"> Evaluate newly developed materials using the EQuIP rubric Representatives from LEAs will participate on working committees at each level to begin development of support material for the MSDE Resource pages. 	<p>Spring 2016</p> <ul style="list-style-type: none"> Representatives from LEAs will participate on working committees at each level to begin development of support material for the MSDE Resource pages. Evaluate newly developed materials using the EQuIP rubric 		