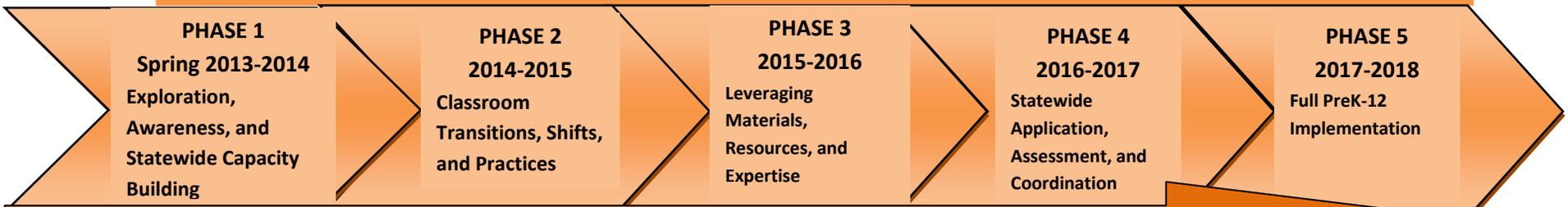


Maryland Next Generation Science Standards Implementation and Planning Document



ONGOING STATEWIDE COORDINATION AND COLLABORATION TO SUPPORT TEACHERS, SUPERVISORS, ADMINISTRATORS

Communication: MSDE, State Science Leadership Team, LEA Science Supervisors

Develop common messages	General Outreach on Shifts	Ongoing Consistent messaging
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Statewide Capacity/Network Building: MSDE Programs; State Science Leadership Team; LEA Science Supervisors

Identify existing expertise and gaps	Develop NGSS Support Networks	Ongoing Support of Leadership Network
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Professional Learning: MSDE Programs, State Science Leadership Team, LEA Science Supervisors, Teachers, Administrators, Informal Educators

Identify professional learning needs: teachers, administrators, and informal educators – LEA Progress Updates	Professional Learning designed for all Stakeholders: Regular Updates at Maryland BOE meetings; Briefings, and IHE	Professional Learning: Implementation for teachers and administrators at all levels at CCRC : Sessions – NGSS 101; EQuIP NGSS Rubric; Assessment; DL	Professional Learning: Implementation for Informal Educators and ongoing adaptation of Professional Learning
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Instructional Practices/Shifts: MSDE, State Science Leadership Team, LEA Science Supervisors, Teachers, Administrators, Informal Educators

Focus on the Framework to inform development of PreK – 12 Scope and Sequence which incorporates the Science and Engineering Practices	Continue to focus on equity (all students) and integrating the Science and Engineering Practices and Cross Cutting Concepts	Focus on the Integration of the 3 Dimensions (S and E Practices, Cross Cutting Concepts, and Disciplinary Core Ideas)	Instructional Shifts in place Statewide; development of Formative Assessments for use at varied levels	Assessments developed: beginning with classroom assessment and moving to monitoring (large-scale) assessment.
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Instructional Materials and Curriculum: MSDE Programs, State Science Leadership Team, LEA Science Supervisors, Teachers

Evaluate existing material using the EQuIP NGSS Rubric	Adapt existing materials and ongoing exploration of e-innovations	Evaluate newly developed material using the Rubric on an ongoing basis
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Assessment: MSDE Programs, LEAs , LEA Science Supervisor, Administrators, Teachers

Align existing State assessments with NGSS (to the extent feasible)	Focus on developing classroom formative assessment systems	Participate in multi-state assessment consortium with NGSS adopted states
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Data: MSDE, LEAs , Administrators, Teachers

Determine metrics to be tracked (e.g. course taking, student achievement) to inform instruction	Develop data collection plan for formative & summative assessments	Track and report science related data
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Policy Shifts: MBOE, MSDE, Legislature

Identify policy changes needed to implement NGSS (e.g. Teacher Certification, Teacher Evaluation, assessments)	Consideration of Alternate Pathways, Early College Admission Program, Approved CTE or Other	Piloting Assessments
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