

# **Starpoint Central School District NYS Science Learning Standards (NYSSLS) K-12 Roadmap January 2018 - August 2024**

**The Starpoint Central School Districts NYS Science Learning Standards Roadmap, adopted NYSED Science Standards Implementation Roadmap, has been designed to assist and support educators with the transition process leading to full-implementation of the learning standards. The roadmap outlines a plan spread-over the next several years that highlights the states and our district's goals, objectives, and activities with the transition process.**

## **Phases of Implementation:**

**Phase I: Raise Awareness - July 2017 - August 2019**

**Phase II: Transition and Implementation - September 2019 - August 2021**

**Phase III: Implementation and Sustainability - September 2021 - August 2024**

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## **Science Vision Statement**

Starpoint science graduates are scientifically literate critical thinkers, that possess the skills to collaborate, investigate, and design. They make coherent and scientifically grounded conclusions based on observations, analysis, and interpretations. They are individuals who are lifelong learners and make a positive personal and global impact in their community.

Developed by the K-12 Science Committee - May 2019

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Phase I: Raise Awareness - July 2017 - August 2019			
Goal	Key Implementation Activities	Action Steps/Date	Stakeholder Group(s) Responsible
<b>Goal 1: Standards</b>	<b>K-12</b> Raise Awareness to the updates standards (NYSSLS) K-2 2018/2019 3-5 2017-2019	<b>K-12</b> BOCES Trainers provide and overview of the new standards, complete demo lessons in classrooms  Teachers supporting teachers: working together in meetings, observing and supporting each other in the classroom	<b>Administrators and Teachers</b>   <b>Teachers</b>
	Cross- Content Training K-2 2017/2018 3-5 2018/2019		
<b>Goal 2: Curriculum</b>	<b>K-5</b> Lease Science Kits from Monroe4BOCES K-2 2018/2019 1 Kit 3-5 2018/2019 1 Kit	<b>K-5</b> Implementing BOCES Science Kits 1 per grade level 2018-19 School Year	<b>Administration and Teachers</b>
	<b>K-12</b> Gaining an awareness of what is being taught in STEM courses	<b>K-12</b> Inviting STEM teachers to District Science Committee meetings	<b>Assistant Superintendent</b>

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<p><b>Goal 3: Professional Development to Enhance Instruction</b></p>	<p><b>K-5</b> Explore the Standards and Research K-2 2018-2019 3-5 2018/2019</p> <p><b>K-12</b> District Committee Meetings K-2 ongoing 3-5 2018-ongoing</p> <p><b>K-12</b> Vertical Alignment Meetings</p>	<p><b>K-5</b> BOCES Trainers providing support for the kits BOCES trainers providing support for</p> <p><b>K-12</b> BOCES Trainer to provide updates from the state, committee update the roadmap</p> <p><b>K-12</b> Middle School and High School have meetings together</p> <p>STEM teachers meeting with Science Teachers</p>	<p><b>Administrators and Teachers</b></p>
<p><b>Goal 4: Assessment</b></p>	<p>K-2 Science Kit Culminating Project Assessment 3 - teacher created checkpoint (quizzes) - 2019 4 - ? 5 - Science Kit Culminating Project Assessment</p>		
<p><b>Goal 5: Materials and Resource Support</b></p>	<p>K-2 2018-2019 3-4 - NEED Kristy Pincelli (or another expert on specific kits) to come in with each grade 5 - Kristy Pincelli (kit creator) spent a day with us going through each lesson</p>		

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<b>Goal 6: Administrative and Community Support</b>	<b>K-12</b> Finding field experts First Grade: field trip- life science	<b>K-12</b> Work with the surrounding community to find field experts to work with the teachers and/or visit classrooms	<b>Administrators and Teachers</b>
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<b>Phase II: Transition and Implementation - September 2019 - August 2021</b>			
<b>Goal</b>	<b>Key Implementation Activities</b>	<b>Action Steps/Date</b>	<b>Stakeholder Group(s) Responsible</b>
<b>Goal 1: Standards</b>	Research and collaborate between the middle school and high school.	<b>District science day staff development May 6th</b>	<b>Middle school / high school</b>
<b>Goal 2: Curriculum</b>	2019-2020 Chemistry plan and implement one unit (Matter and energy) Middle school/ high school plan 1 complete unit using NGSS language	<b>District science days. Collaboration between middle school and high school in the 2019-2020 science year</b>	<b>Middle school/ high school science</b>

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<b>Goal 3: Professional Development to Enhance Instruction</b>	Thewonderofscience.com STANYS conference NSTA conference	Request PDP	MS/HS science
<b>Goal 4: Assessment</b>	ongoing		
<b>Goal 5: Materials and Resource Support</b>	TBD		
<b>Goal 6: Administrative and Community Support</b>	Guest speakers, and more instructional staff		

<b>Phase III: Implementation and Sustainability - September 2021 - August 2024</b>			
<b>Goal</b>	<b>Key Implementation Activities</b>	<b>Action Steps/Date</b>	<b>Stakeholder Group(s) Responsible</b>
<b>Goal 1: Standards</b>			
<b>Goal 2: Curriculum</b>			

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<b>Goal 3: Professional Development to Enhance Instruction</b>			
<b>Goal 4: Assessment</b>			
<b>Goal 5: Materials and Resource Support</b>			
<b>Goal 6: Administrative and Community Support</b>			