



# Foundational Services Science



## Workshop: Beginning to Build a Unit of Study Aligned to NGSS



Participant Workbook



# Workshop: Beginning to Build a Unit of Study Aligned to NGSS

The following statements relate to the Science Foundational Service training:

## **Workshop: Beginning to Build a Unit of Study Aligned to NGSS**

Please indicate your comfort level with the following:

*4 = Fully Agree*

*3 = Agree*

*2 = Somewhat Agree*

*1 = Disagree*

*NA = Not Applicable to this training session*

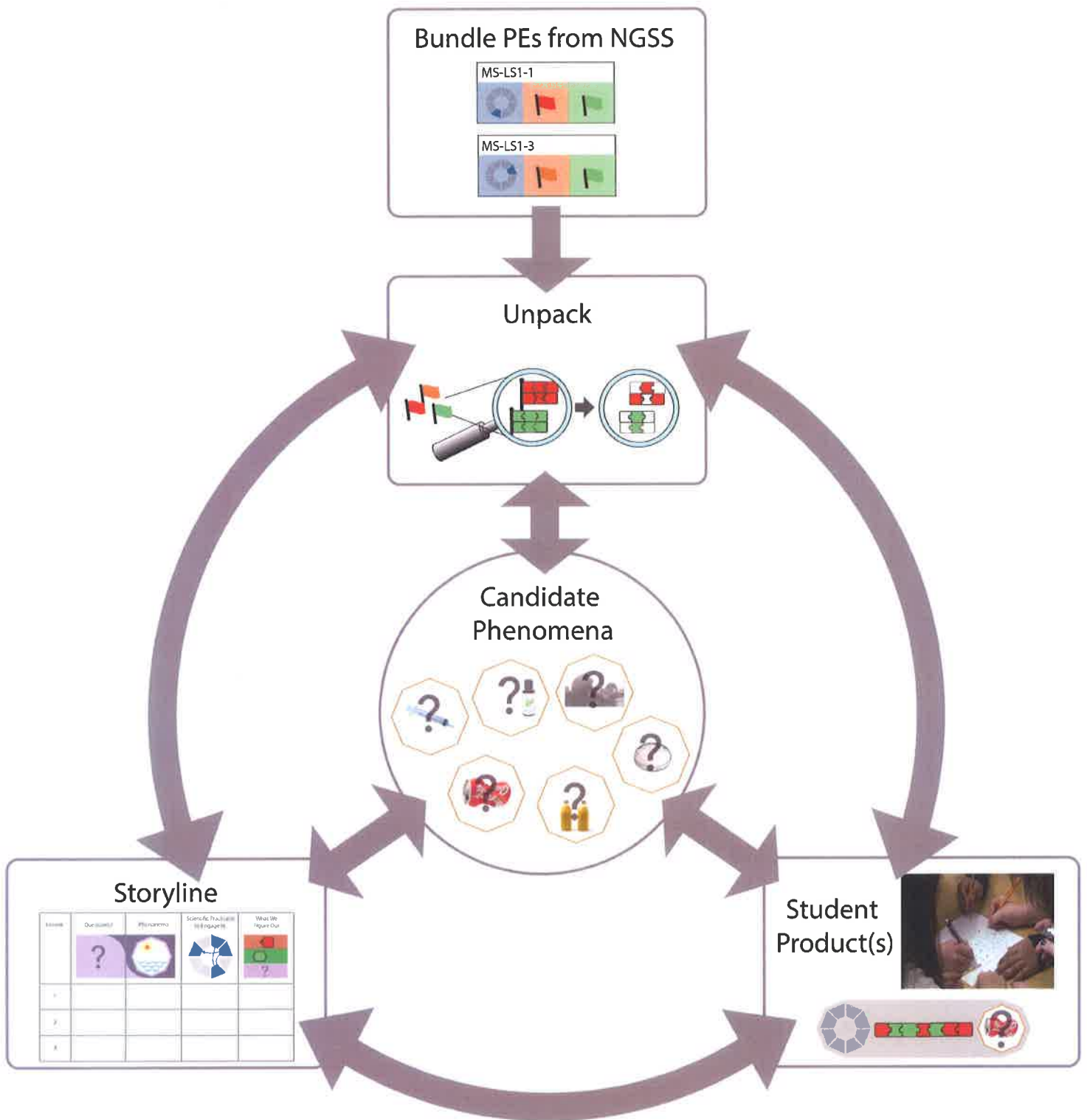
Science		
In the storyline development process:	Pre	Post
I can bundle performance expectations in order to create a coherent unit of study aligned to the Next Generation Science Standards.		
I can unpack in order to create a coherent unit of study aligned to the Next Generation Science Standards.		
I can identify candidate phenomena for student exploration in order to create a coherent unit of study aligned to the Next Generation Science Standards.		
I can develop a sample student product to assess students learning in order to create a coherent unit of study aligned to the Next Generation Science Standards.		

### Reflection Questions following post survey:

1. What areas did you grow the most?
2. What areas do you need further development?
3. What next steps do you plan to take to further develop your knowledge and skills related to NGSS?



# NGSS Storyline Process



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Reiser, B. J. (2014). *Designing coherent storylines aligned with NGSS for the K-12 classroom*. National Science Education Leadership Association, Boston, MA.

Reiser, B. J., Novak, M., & Fumagalli, M. (2015). *NGSS storylines: How to construct coherent instruction sequences driven by phenomena and motivated by student questions*. Illinois Science Education Conference 2015, Tinley Park, IL.



**Activating Prior Knowledge**

<b>Phase</b>	<b>Reminders or Notes</b>
<b>Bundling Performance Expectations from NGSS</b>	
<b>Unpacking</b>	

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<p><b>Identifying Candidate Phenomena</b></p>	
<p><b>Developing a Student Product</b></p>	



## What Can I Take Away?

Foundational Services for Science – *Workshop: Building a Unit of Study Aligned to NGSS* focuses on equipping educators with the tools needed to developing a unit of study aligned to the Next Generation Science Standards. Following each session, we will take a few moments to reflect on our work and track our thinking. Use the spaces below each session tile for your reflections.

### Session 1: Bundle Performance Expectations

### Session 2: Unpacking

Session 3: Identify Candidate Phenomena

Session 4: Student Product