Science Standards Implementation

14 - 15 Oct 2021

Poll results

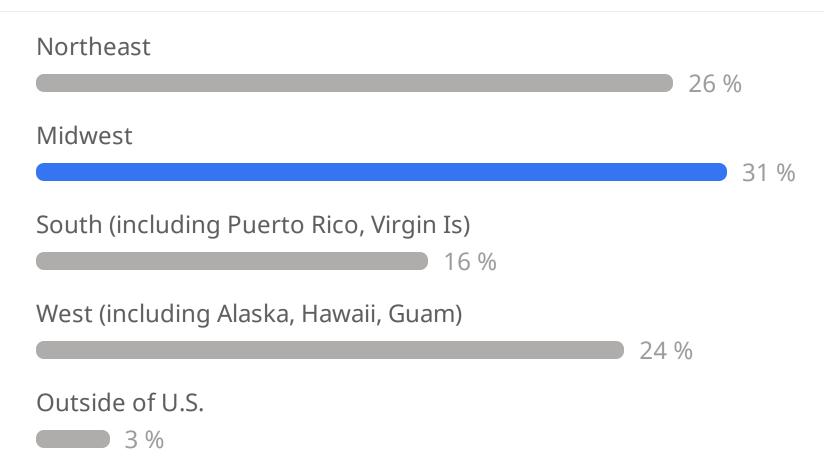
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- What do you think is most important to incorporate into teacher professional learning (preservice and in-service) for instruction aligned to the Framework?



Where are you? Identify region of the country.







Who are you? Identify the role(s) that best describes you. (1/2)

1 7 3

PK-12 Teacher

9 %

PK-12 Administrator (school or district)

13 %

State Leader/Policymaker

16 %

Higher Ed Faculty (Teaching/Research)

12 %

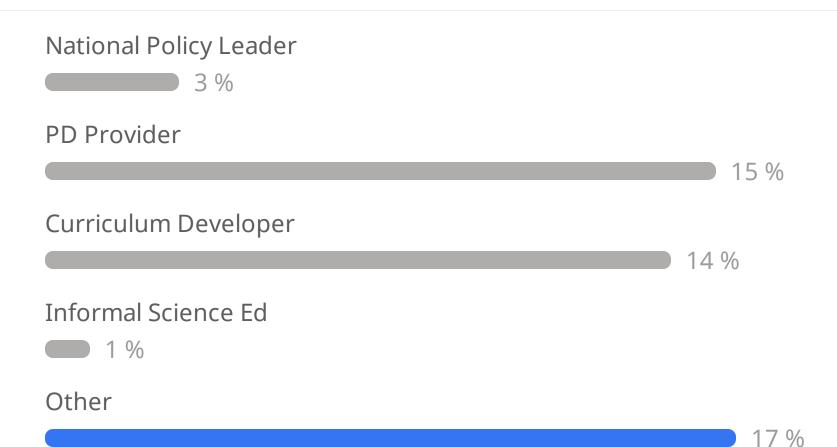
Higher Ed Administrator

1 %



Who are you? Identify the role(s) that best describes you. (2/2)

1 7 3





What is the biggest challenge for implementation?



Lack of support

state-mandated testing

time for teacher learning

HOIM High Quality Materials admin ignorance/apathy

teacher time

leadership cost equity shifting mindsets

tradition

priority

Understanding

Support

Teaching time Time

time for PD

Assessment fear money

Funding inertia Professional Learning

teacher prep Time for science in ELEM

Change

Support for Teachers

Teacher capacity

veteran teachers

Curriculum

resistance from teachers sustaining

Rank the most importance place to focus efforts and resources for supporting implementation. (1/2)

1 3 9

1.	Professional Learning (inservice)	1.94
2.	Curriculum	.,,,
		1.32
3.	Leadership/Administration	
		1.05
4.	Addressing Equity & Opportunity	
		1.04
5.	Preservice Education	
		0.34

Rank the most importance place to focus efforts and resources for supporting implementation. (2/2)

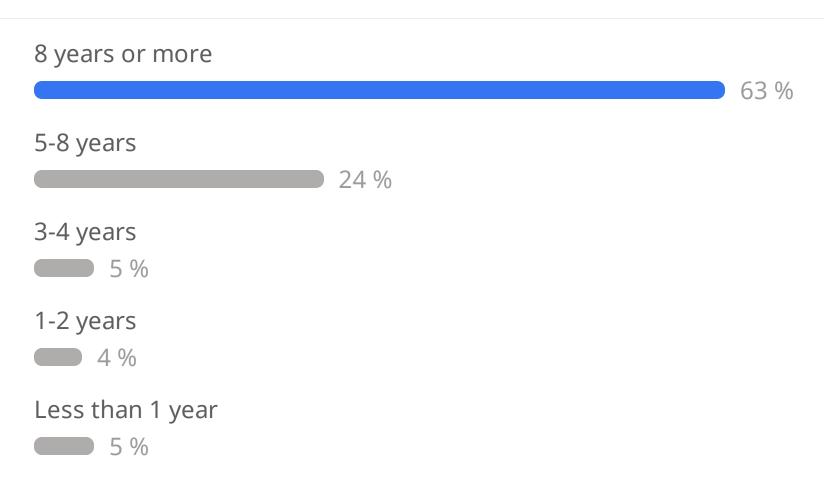
1 3 9

6. Assessment

0.31

How long have you been working with the Framework and NGSS?







What is the most challenging instructional shift? (1/2)

1 2 8

Phenomena based

10 %

Engaging students in practices

4 %

Supporting students' sense making

23 %

Building a collaborative classroom culture

4 %

Letting go of content coverage

35 %

Connecting with students' prior experiences

5 %

What is the most challenging instructional shift?

1 2 8

(2/2)

Integrating the 3 dimensions

19 %

What do you think that we, as a field, need to focus on now in terms of preservice science teacher education? Please rank order in terms of importance.

(1/2)

1 4 0

1.	High-leverage science teaching practices	1.99
2.	Expansive equity discourses	1.55
		1.04
3.	Rehearsals and approximations of practice	
		0.74
4.	Adapting existing instructional materials	
		0.64
5.	Interest-driven STEM experiences	
		0.61

What do you think that we, as a field, need to focus on now in terms of preservice science teacher education? Please rank order in terms of importance.
(2/2)

1 4 0

6. Building coalitions and alliances

0.50

7. 3D science assessments

0.47

What do you think is most important to incorporate into teacher professional learning (preservice and in-service) for instruction aligned to the Framework?



time to collaborate

learning experiences

relevence

Practice HQIM open mindset

three dimensions support

equity student hat experiences

walk the walk

collaboration

student sensemaking

test what's in it for me? examples

Vision

equity and justice high leverage strategies