

Science Standards Implementation

14 - 15 Oct 2021

Poll results

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- What is the most challenging instructional shift?
- 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.
- 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.

223

Northeast



26 %

Midwest



31 %

South (including Puerto Rico, Virgin Is)



16 %

West (including Alaska, Hawaii, Guam)



24 %

Outside of U.S.



3 %

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

(1/2)

1 7 3

PK-12 Teacher



PK-12 Administrator (school or district)



State Leader/ Policymaker



Higher Ed Faculty (Teaching/Research)



Higher Ed Administrator



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

(2/2)

1 7 3

National Policy Leader



3 %

PD Provider



15 %

Curriculum Developer



14 %

Informal Science Ed



1 %

Other



17 %

What is the biggest challenge for implementation?

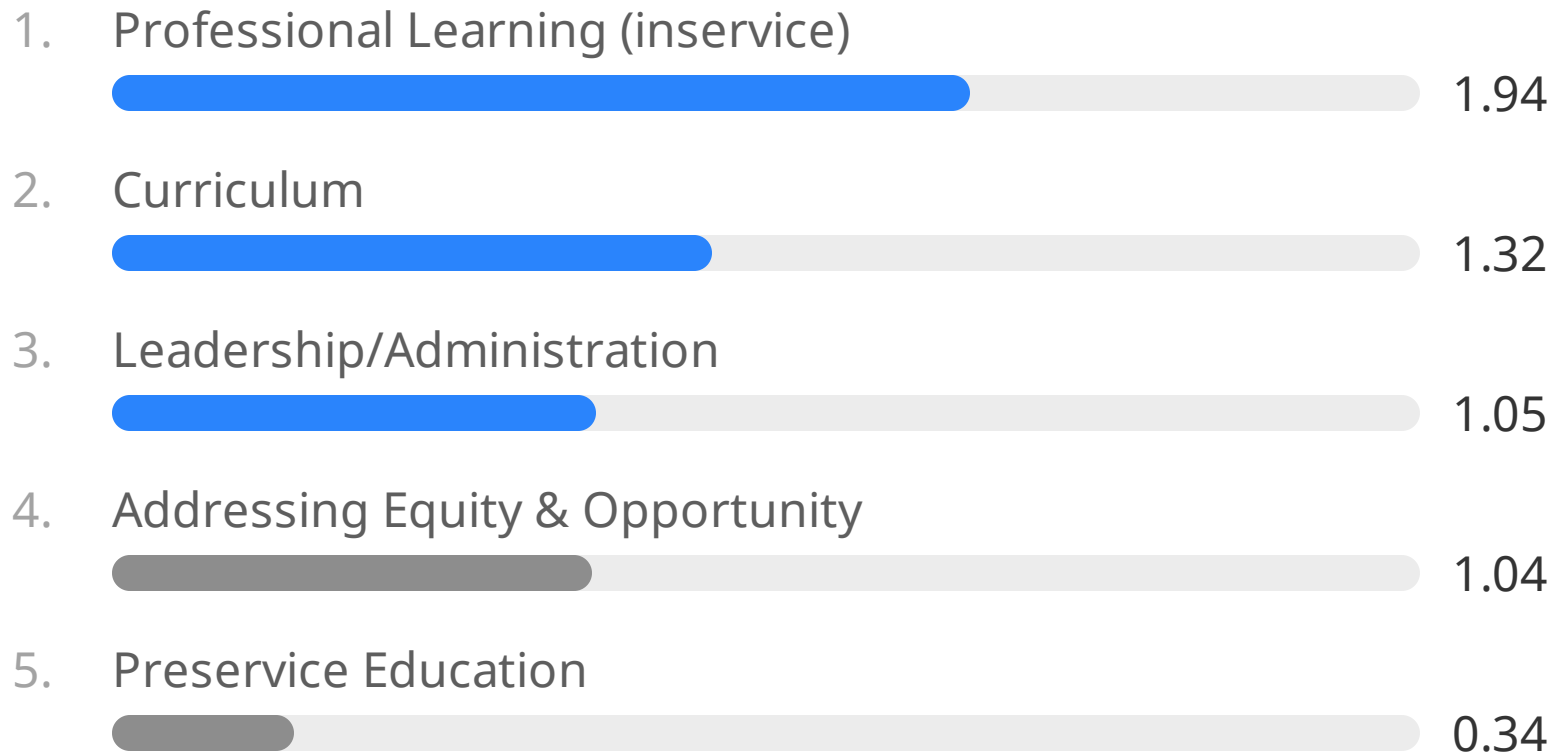
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Rank the most importance place to focus efforts and resources for supporting implementation.

1 3 9

(1/2)



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

1 3 9

6. Assessment



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

177

8 years or more



5-8 years



3-4 years



1-2 years



Less than 1 year



What is the most challenging instructional shift?

(1/2)

1 2 8

Phenomena based



Engaging students in practices



Supporting students' sense making



Building a collaborative classroom culture



Letting go of content coverage



Connecting with students' prior experiences



What is the most challenging instructional shift?

(2/2)

1 2 8

Integrating the 3 dimensions



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

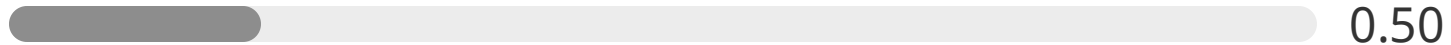
1. High-leverage science teaching practices
 1.99
2. Expansive equity discourses
 1.04
3. Rehearsals and approximations of practice
 0.74
4. Adapting existing instructional materials
 0.64
5. Interest-driven STEM experiences
 0.61

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.

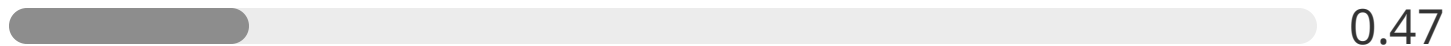
(2/2)

1 4 0

6. Building coalitions and alliances



7. 3D science assessments



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

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