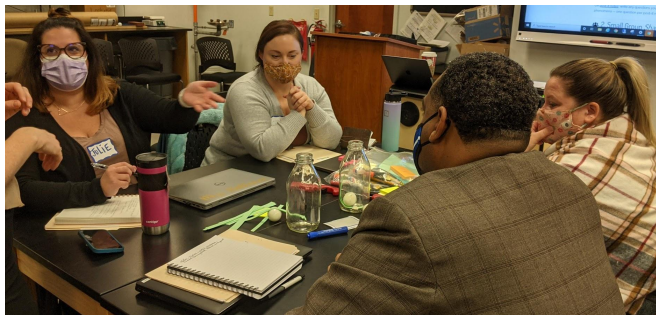


## NGSX's *PLANS* Pathway for Administrators and Instructional Leaders (Principals Learn and Network to Support 3-Dimensional Science Learning)

### WHAT?

- The Next Generation Science Exemplar ([NGSX](#)) program of professional learning has worked with over 14,000 K-12 teachers across 28 states, and over 1,600 administrators and instructional leaders. The *PLANS* pathway is professional development for principals, curriculum supervisors, coaches, and district instructional leaders who support teachers of science. **It is a 1.5-day interactive experience emphasizing instructional leadership and active support for K-12 teachers at both the building and district level.**



### GOALS OF PATHWAY:

- Develop school leaders' capacity to identify the essential pieces of what it looks, sounds, and feels like when students and teachers are engaged in NGSS-designed teaching and learning.
- Develop school leaders' understanding of what teachers will need in order to make this new vision a reality for all students.

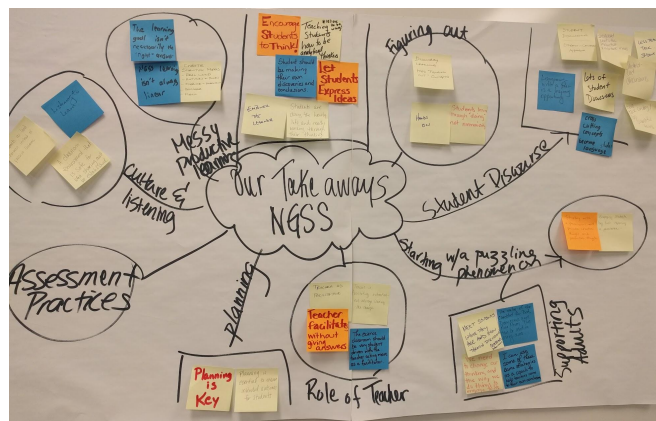
### HOW?

- Engage as learners in hands-on science investigations, including representing thinking through modeling and productive classroom talk.
- Use tools for making thinking public that teachers and students use in NGSS-designed units, and explore tools that instructional leaders use in their work supporting teachers.
- Through video examples, reflect together on what it means for students and teachers to work as a sensemaking community and how instructional leaders can support this work.
- Begin to plan for changes in instructional contexts, and form networks while crafting concrete next steps.



### COST (max 30 participants):

- One year access to the NGSX-PLANS Pathway online = \$175/participant
- Facilitation by two NGSX-certified educators = \$3,200



### FOR MORE INFORMATION CONTACT:

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## NGSX's *BNGST* Pathway for Teachers, STEM Coaches, and District Science Leaders (Becoming a Next Generation Science Teacher)

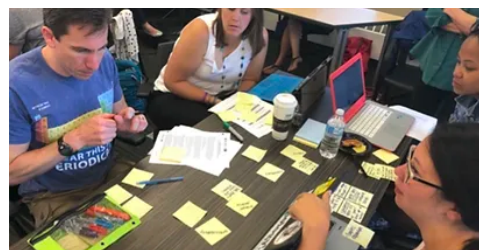
### WHAT?

- The Next Generation Science Exemplar ([NGSX](#)) program of professional learning in K-12 science has worked with over 14,000 K-12 teachers across 28 states. The *BNGST* professional learning pathway prepares teachers to bring NGSS into their classrooms and engage their students in robust sensemaking, emphasizing the practices of modeling, argumentation, and explanation. **This 4-day interactive experience centers equity and agency for students and teachers.**



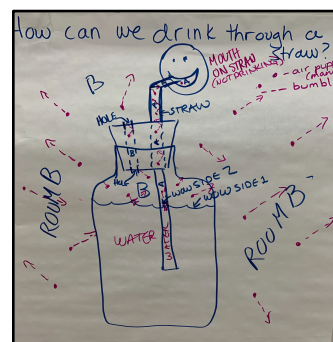
### GOALS OF PATHWAY:

- Develop teachers' capacity to apply the shifts in instruction called for by NGSS to their own practice.
- Prepare to build an equitable classroom culture where **all** students are supported to go public with their reasoning and build on their classmates' ideas.
- Learn how to use a variety of tools to implement productive talk and small and whole group sensemaking discussions.



### HOW?

- Teachers engage as learners in hands-on science investigations, make and revise models, and together construct explanations of complex phenomena, just as their students will.
- Teachers analyze and discuss classroom video examples to see how students and teachers can work together as a community to change classrooms from places where students *learn about* science to places where they *figure out* how and why things happen in the world.



### COST (max 30 participants):

- One year access to the NGSX-BNGST Pathway online = \$225/participant
- Facilitation by two NGSX-certified educators = \$6,400



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