

National Aeronautics and
Space Administration



EXPLORE SCIENCE

Inquiry-Based, Active, Remote Learning Using UDL

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Infiniscope

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In response to educators continuing online in the fall semester, the [Infiniscope](#) team offered 94 educators from all over the U.S. a 3-day *active learning* online workshop held July 20-22, 2020. The workshop featured an overview of Universal Design for Learning (UDL) by Dr. Katie Novak in cooperation with WGBH's Bringing the Universe to America's Classroom Initiative, NASA resources with specific UDL integrations such as the accessibility toolkit by NASA eClips, and expert educators from the Infiniscope Advisory Board and the Smoky Mountains STEM Collaborative to share practical UDL experiences.

The focus was an introduction of UDL as a methodology to rethink classroom instruction and apply its principles in the remote learning environment. As an active learning strategy, educators were tasked with rewriting a lesson during the workshop to include UDL Principles and implement online learning tools and resources. Educators documented their UDL journey ([example 1](#), [example 2](#)) throughout the week and will deploy this new lesson in the first 9 weeks of school.



What is UDL?

A framework to improve and optimize teaching and learning for all people based on scientific insights into how humans learn. [Learn More about UDL](#)

NASA Resource Presenters



Educator Testimonials

"I am so EXCITED to adapt my district's scripted lesson using UDL. Also, my mind is now opened to so many ways to enhance my student's online learning only experience this Fall 20-21. This workshop made everything clear. I was introduced to UDL last fall and attended an in-person workshop with Katie Novak, but this 3-day online course fired up my brain with possibilities. No way to describe other than I get it. Thank you so much! – Workshop Participant

"This course exceeded by expectations! I'm a serial professional development workshop participant and am always in search of great ideas to improve my teaching practice. Your course was so jam-packed with clearly presented and explained resources, techniques, strategies, tools and networking opportunities." – Workshop Participant