



## ACESSE Resource A: Introduction to Formative Assessment to Support Equitable 3D Instruction

The NRC Framework for K-12 Science Education and the resulting Next Generation Science Standards include a signature focus on engaging all students in integrated three-dimensional science learning using inclusive instructional approaches. This new vision calls for new approaches to classroom assessment.

This open educational resource provides an introduction to formative assessment that supports equitable 3D instruction. It is designed to provide an introductory professional development session of 60-70 minutes for educators to help them learn about formative assessment and how it fits into the new vision. The module includes all of the resources that PD facilitators need to adapt and run the sessions—including slides, speaker notes, facilitator guide, and embedded resources.

The professional development module supports the following specific goals for educators:

- Explore how equity and social justice goals relate to the use of formative assessments
- Develop a shared understanding of formative assessment purposes and processes
- Learn how cognitive formative assessments and cultural formative assessments can build capacity for equitable 3D instruction
- Learn about the kinds of professional learning resources available to support the development of 3D formative assessments

[stemteachingtools.org/pd/sessiona](https://stemteachingtools.org/pd/sessiona)



The ACESSE Project is funded by the National Science Foundation through the Education and Human Resources Core Research program under grant #1561300.