Components of the NM STEM Ready! Science Standards

The NM STEM Ready! Science Standards are comprised of the Next Generation Science Standards (NGSS), in their entirety, plus the New Mexico six specific standards.

Architecture of a Standard

A standard is made up of the performance expectation, three-dimensions, and connections.

Performance Expectation
Describes what students are expected to achieve by the end of a grade band.

3-Dimensions
Disciplinary core ideas, science and engineering practices, and crosscutting concepts from the Framework for K-12 Science Education together build the performance expectation.

Connections
• Connections to other DCIs
• Articulation of DCIs
• Common Core State Standards Connections

The three dimensions come directly from the Framework for K–12 Science Education and together make up the performance expectation, what the students are expected to achieve in the classroom.

The Connections boxes list NM STEM Ready! Science Standards and Common Core State Standards for ELA or Mathematics that relate to the standard. The Connections to Other DCIs in this grade-band box list standards that have corresponding DCI; Articulation of DCIs across grade-bands contain standards that are the basis for or build on DCI. The Common Core State Standards Connections box list ELA and Math standards relevant to the NM STEM Ready! Science Standard.

How to Read a Standard

Start by reading the foundation boxes to determine what content students will need to know and what practices students will engage in to understand the core ideas. The performance expectation will describe how to assess the student performance after instruction. Deciding how the students meet the performance expectation is up to teachers and districts.

Reach out to the Math and Science Bureau staff with questions or for more information.