



Sanger Unified School District Science Expectations

Grades TK - 12



The purpose of the Sanger Unified School District Science Expectations is for science instructors, support providers, and administrators to have clear guidelines on best practices, protocols, and resources to ensure high-quality science instruction. These expectations are based on the most up-to-date research, professional development, and information available.

District Expectations:

- **Instruction**

- Should include all [SUSD Guaranteed & Viable Instruction \(GVI\) elements](#)
- Should be designed using the lens of [Universal Design for Learning](#)

- **Content**

- Lesson(s) should be connected to [NGSS Standards](#) (Grades K-12) & Performance Expectations
- Lesson(s) should be Intentionally connected to [Science and Engineering Practices](#) (SEPs)

- **Phenomena Based Learning**

- Lesson(s) design should include evidence of Phenomena Based Learning
 - [Phenomena Based Learning Resource](#)
 - Specifically: More attention to inquiry/investigation, and deepening of understanding (“quality over quantity”) than lecture.

- **Literacy & Mathematical Reasoning**

- Lesson(s) should incorporate Literacy Standards for Science for College and Career Readiness:
 - [Reading Standards Science 6-12](#)
 - [Writing Standards Science 6-12](#)
- Lessons should include opportunities for students to write and speak using Claim, Evidence, Reasoning (CER)
- When applicable, draw from *science informational texts* to serve dual purposes (i.e., reading comprehension through science content)
- Lesson should support and include an integrated [ELD component](#)
- Connect NGSS Standards to appropriate Mathematical Standard

Additional Resources:

Science Framework	FCOE Science Resources	K-5 Mystery Science
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NGSS App Logo for Mobile Device