

TEKS Guide 101

TEA Science Curriculum Team



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Today we will —

- explain what the science TEKS Guide is;
- review the components of the science TEKS Guide; and
- answer questions about using the science TEKS Guide.



Components of the Science TEKS Guide

The Student Expectation

- Student expectations with detailed explanations and glossary support
- Overview
 - Further explanations, demonstrated proficiency (*K-2), glossary support, and supporting information
- Alignments
 - Recurring themes and concepts (*K–8)
 - Vertical alignment
 - Cross-curricular connections (*K–8)
 - Side-by-side



Components of the Science TEKS Guide

Component	К	1	2	3	4	5	6	7	8	Bio	IPC	Chem	Phys
Detailed Explanation Rollovers	\checkmark												
Demonstrated Proficiency	\checkmark	\checkmark	\checkmark										
Further Explanations	\checkmark												
Glossary Support	\checkmark												
Supporting Information (Research)	\checkmark												



Components of the Science TEKS Guide Continued

Component	К	1	2	3	4	5	6	7	8	Bio	IPC	Chem	Phys
Vertical Alignment	\checkmark												
Recurring Themes and Concepts Alignment	\checkmark												
Cross- curricular connections	\checkmark												



Science TEKS Guide – The Student Expectation

Science.K.13.B 🕑

The student is expected to identify the different <u>structures</u> that <u>animals</u> have that allow them to <u>interact with their environment</u> such as seeing, hearing, moving, and grasping objects;





Science TEKS Guide – The Student Expectation

Detailed Explanations

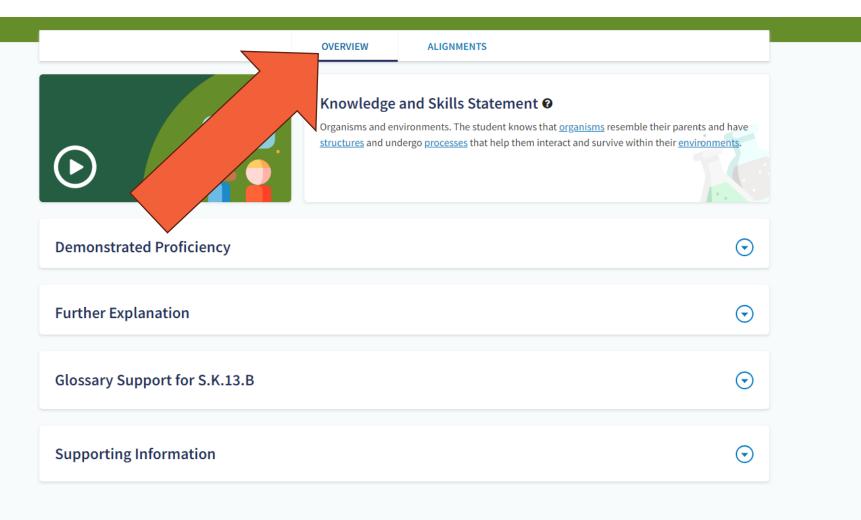
- Rollovers that call out a specific word or phrase in a student expectation
- Provides clarity and consistency for educators
- May include an instructional boundary
 - support Tier 1 instructional expectations for all students
 - provide scaffolds for students who need support
 - provide enrichment for students who are ready to move beyond the baseline

Glossary Support

- Rollovers that define a term at the teacher level
- Same definition k–12
- Dedicated section as well as rollovers



Science TEKS Guide – The Overview Section





Science TEKS Guide – The Overview Section

Demonstrated Proficiency*

- Developed for kindergarten grade 2
- Provides an example of how to assess a student expectation
- Provides descriptions of grade level appropriate responses from students

Further Explanation

- Provides additional background information and context for teachers.
- May include misconceptions, vertical alignment notes, examples, deeper scientific understanding
- Designed for educator understanding—not a student grade level appropriate understanding

Glossary Support

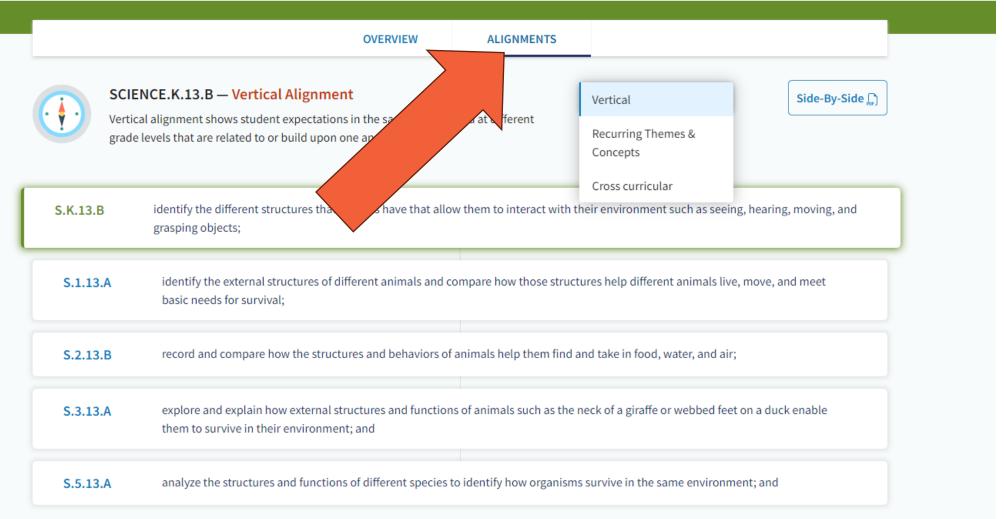
- Same definition K–12
- Intended to develop a consistent understanding of the terms regardless of grade level taught
- Not student level definitions

Supporting Information

- Research articles which support the content
- In K–8, more focused on integration of content and pedagogy
- In high school, more focused on research happening in the field



Science TEKS Guide – The Alignments Section





Science TEKS Guide – The Alignments Section

Vertical alignment

- Developed K–High school
- Progression of concepts from one grade level to the next

Recurring themes and concepts alignment*

- Developed K–8
- Connective structure that spans all science content
- Provides teachers with a tool to help students understand how content fits into the broader understanding of science today

Cross-curricular connections*

- Developed K–8
- Content connections within a grade level between science and math, social studies, English language arts, and technology applications
- May be used to build lessons that reinforce content from different subject areas

Side-by-Side

- Direct comparison of old standards to new standards
- Will remain posted until the end of the 2025– 2026 school year



Science TEKS Guide – The Alignments Section Continued

Science.K.1.G 😯

The student is expected to <u>develop and use models</u> to represent <u>phenomena</u>, objects, and <u>processes</u> or design a <u>prototype</u> for a solution to a problem.

The student is expected to	develop models	to represent phenomena or design a prototype for a solution to a problem		Breakouts
				Developed K–High school
		to represent objects or design a prototype for a solution to a problem	2	 Visual way to deconstruct a student expectation into its component parts In production
		to represent processes or design a prototype for a solution to a problem	2 <>	
	use models +			





Poll

On a scale of 1 – 10, how likely are you to recommend the Science TEKS Guide to colleagues?



Certificates

https://bit.ly/TEKSGuideJuly9

Note: You must download the certificate before filling your information in.





Questions



TEA Help Desk

For questions or help on topics related to science:

- Curriculum
- Assessment



https://helpdesk.tea.texas.gov/

Help Desk

Welcome to the TEA Help Desk!

Click on an icon below to look up information or submit your question to TEA staff. If you are unsure of which area to submit your request, please call 512-463-9734 and we will do our best to route your request to the right place.

For a quick orientation to the redesigned TEA Help Desk see the guick reference guide.



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