SUMMIT K12

2024

DYNAMIC CHEMISTRY

Empowering ALL Texas Learners to Reach their Summit

Built By Texas Educators For Texas Educators

Texas based publisher with curricula created by over 75 current and former Texas educators

Built for Texas TEKS-SEPs-RTCs-ELPS

Ready to Learn More?

Scan the QR code to visit our website

Kate the Chemist K-12 Video Series

Summit K12 has teamed up with UT Austin Professor and best-selling science author, Dr. Kate Biberdorf, to create Phenomena-based videos specifically for the 2024 Science TEKS.

- K-12 Phenomena-Based Videos
- Teacher Pre-Lab Prep Videos
- Student Pre-Lab Videos
- Full Length Virtual Science Lab Videos

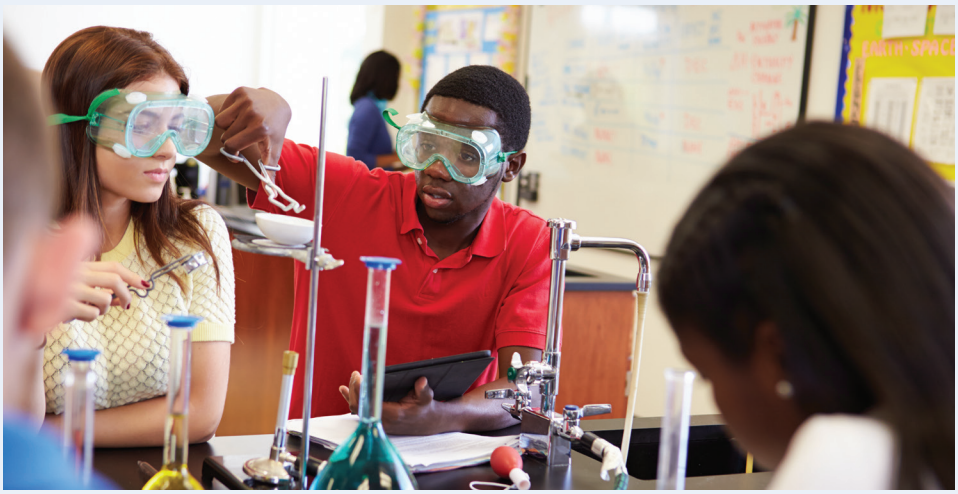
K-12 Texas Virtual Field Investigations

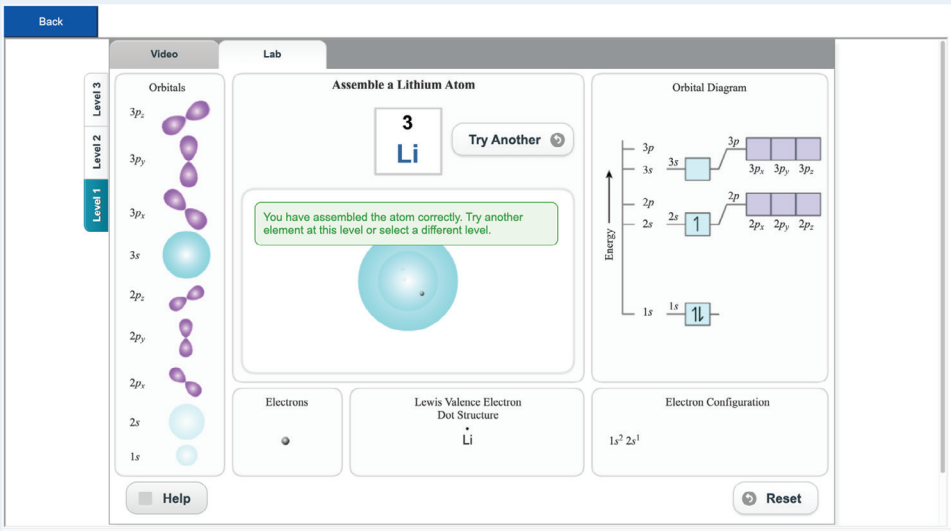
ALL K-12 students will have the opportunity to investigate phenomena throughout dozens of the most popular state parks and engineering marvels in Texas.

The 2024 TEKS Virtual Field Investigations series was created specifically for the Texas Science Adoption.

Hands on Investigations and Virtual Labs

Comparative, Descriptive, and Experimental Investigations to engage students and support sensemaking.

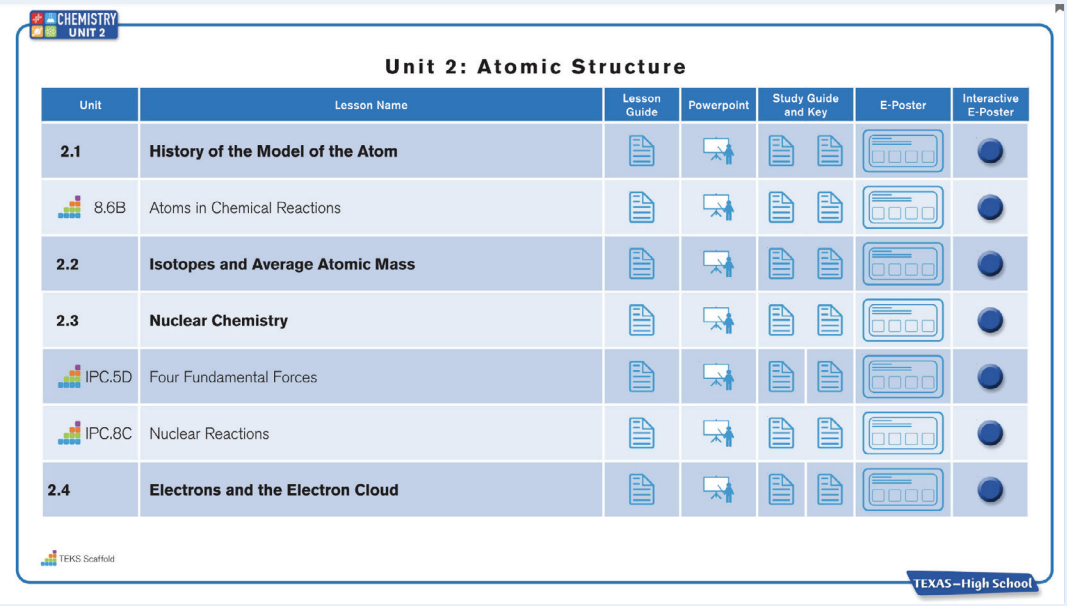


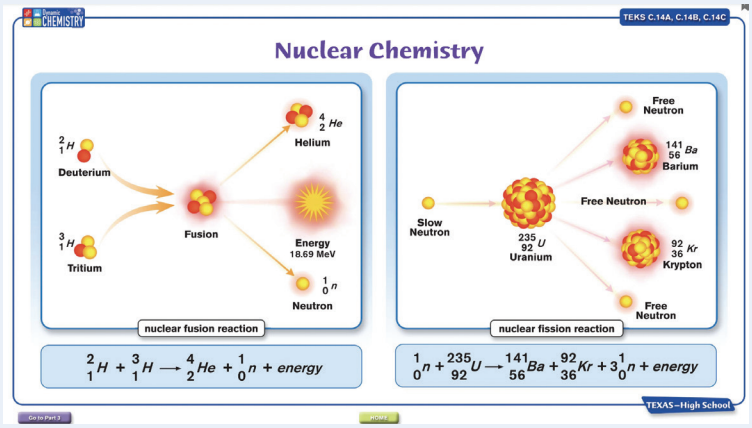


PhET INTERACTIVE SIMULATIONS

Includes Summit K12 Lab Guides developed to support the 2024 Science TEKS.

Concise and Complete Teacher Supports



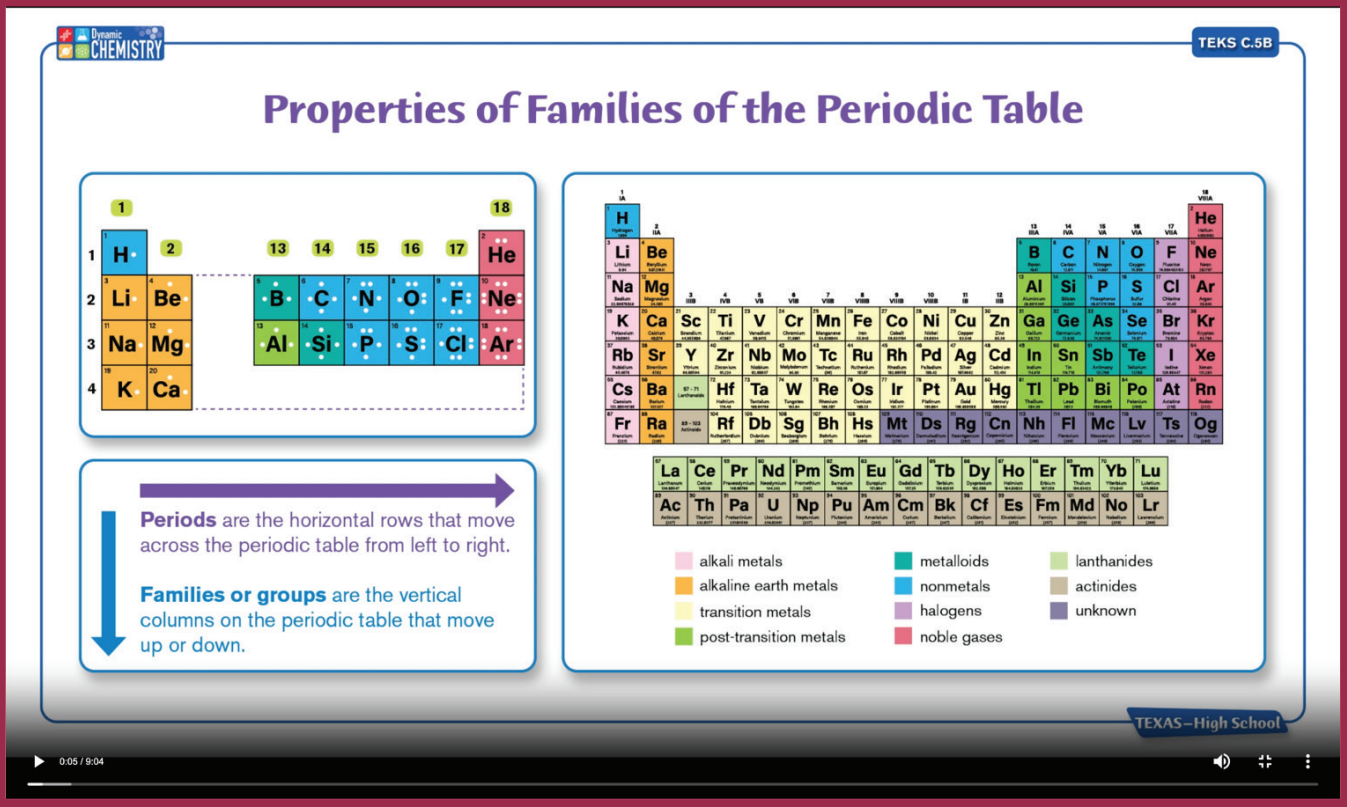


Interactive E-Poster Example

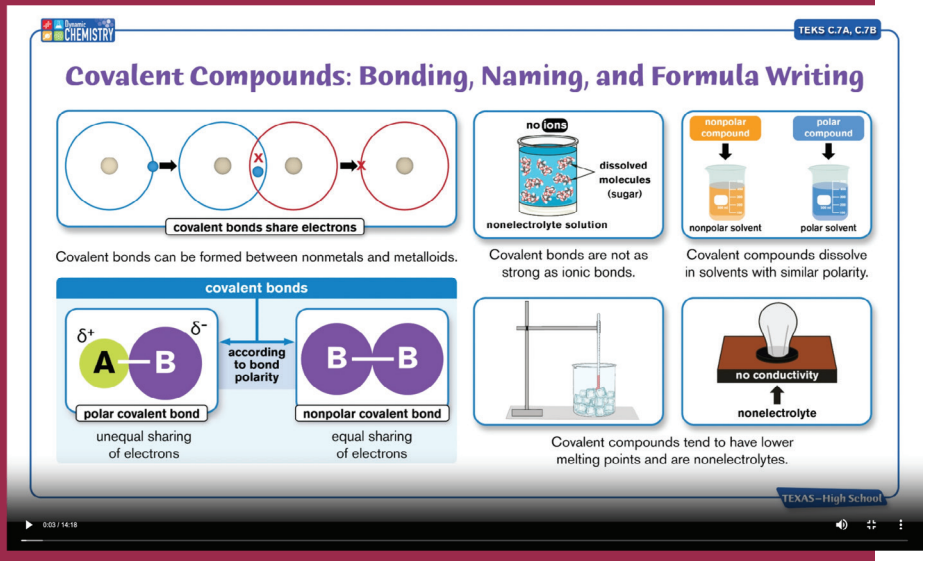
Teacher Supports Include:

- Lesson and Lab Guides
- Scope and Sequence
- Pacing Guides
- Reports and Dashboards
- Anchoring Phenomena Table
- 3D Teaching and Learning
- Image Bank
- Assessment Bank
- Formative Assessments
- Year-Round Responsive Support
- Asynchronous Online Teacher Training
- Zoom and Onsite Professional Learning

High Quality TEKS Lesson Videos



- 100% of the Chemistry Content TEKS and SEPs are supported with high quality Lesson Videos
- 100% of the Videos were specifically created for 2024 K-12 Science TEKS by Texas Science Educators and authors along with a team of Professional Documentary Film Editors and storytellers



Formative and Summative Assessments and Assessment Bank

Create a Custom Assessment

Assessment Name: Dr. Kate's Behavior of Gases Unit Test

Number of Items: 10

Select Item Types: MC, MS, DD, SCR, MP

Select Units to include:

% Dual-coded: 40%

Unit	Unit
Unit 1 Intro to Chemistry	Unit 6 Stoichiometry
Unit 2 Atomic Structure	**Unit 7 Behavior of Gases**
Unit 3 Periodic Table	Unit 8 Energy Changes in Reactions
Unit 4 Ionic Bonding	Unit 9 Water and Solutions
Unit 5 Covalent Bonding	Units 10 Acids and Bases

Select Options, then Create → Create

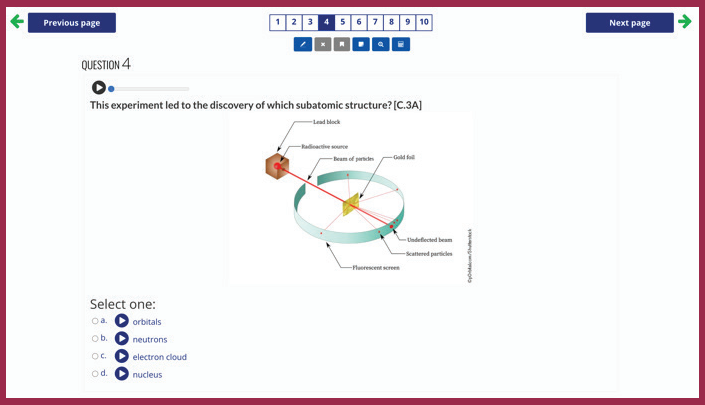
The NEW Assessment appears in the table and is ready to assign to your class

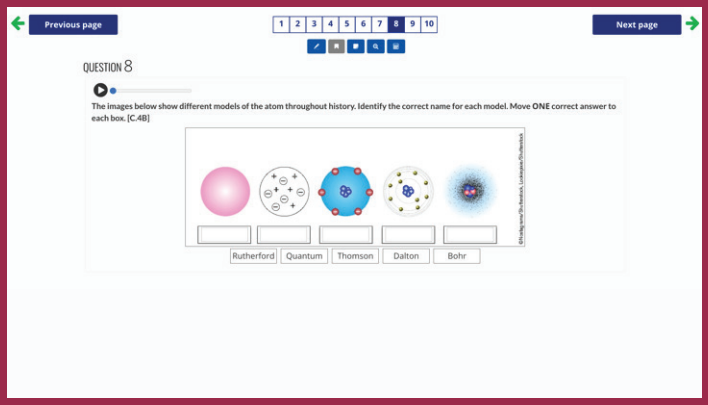
Assessment Bank

Date Created	Custom Assessment Name	Avg. Score	PLD	Assign
9/28/24	Unit 2 Atomic Structure Review	65%	Approaches	
11/4/24	Unit 4 Ionic and Covalent Bonding Quiz	87%	Meets	
12/4/24	Unit 6 Stoichiometry extra credit	92%	Masters	
1/12/25	Unit 8 Energy Changes in Reactions Test	81%	Meets	
2/3/25	Unit 10 Acids and Bases Review	90%	Masters	
→ 3/2/25	Dr. Kate's Behavior of Gases Unit Test	Start		

Create New

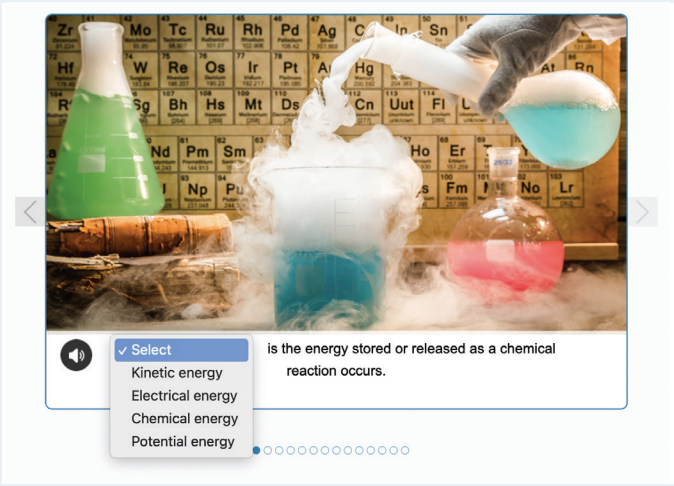
Includes Items Written for the 2024 TEKS

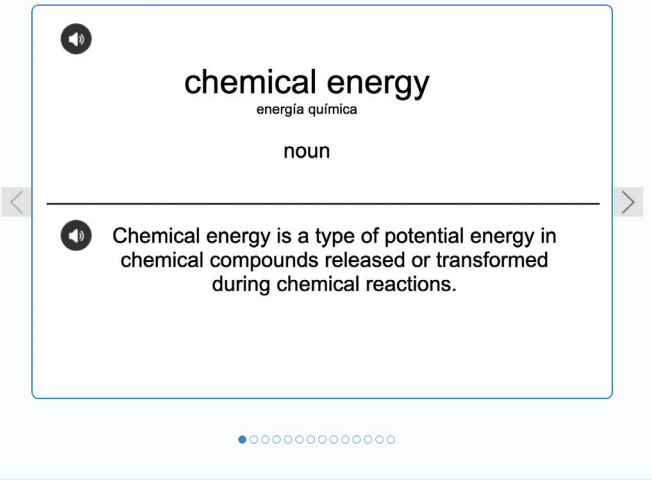


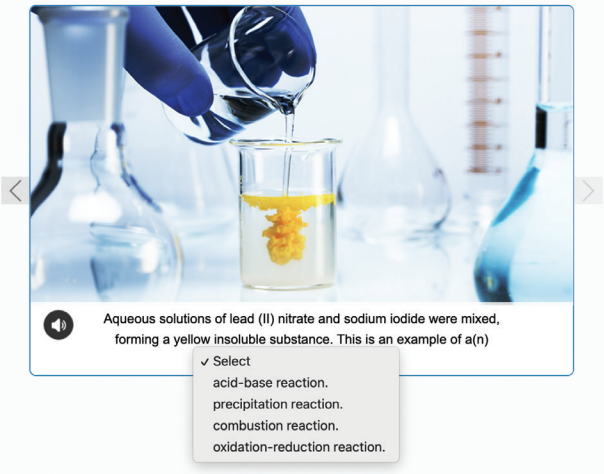


Vocabulary Mastery

TEKS Content Vocabulary | Science Tools Vocabulary | SEPs & RTCs Vocabulary | Science Cognates







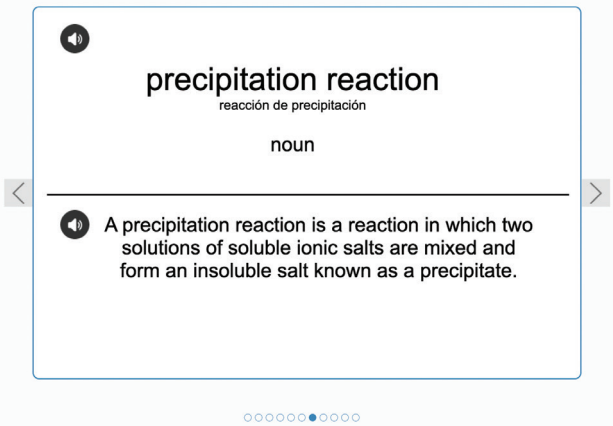
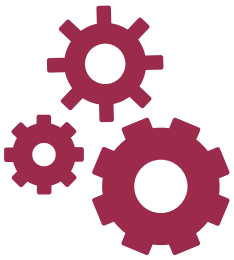


Image Bank

- 500-1,000 images per grade level/subject
- Minimum 15-25 images per content TEKS
- Images for all SEPs Vocabulary Words
- Images for all Science Tools Vocabulary

Teaching Science through Phenomena using the 3D Model

Science TEKS Content Standards



Scientific and Engineering Practices

Recurring Themes and Concepts

TEKS-SEPs-RTCs Crosswalk

Subject	Category	SEPs	Dynamic Chemistry TEKS Lessons, Labs, Investigations, and Explore Activities																											Totals
		TEKS	1.1	1.2	1.3	2.1	2.2	2.3	2.4	3.1	3.2	4.1	4.2	5.1	5.2	5.3	6.1	6.2	6.3	6.4	7.1	7.2	8.1	8.2	8.3	9.1	9.2	9.3	10.1	10.2	10.3	by SEPs
C	Scientific and engineering practices	C.1A	X		X					X				X								X	X	X				X				8
C	Scientific and engineering practices	C.1B	X		X							X											X			X		X		X	X	8
C	Scientific and engineering practices	C.1C	X										X			X	X					X		X	X	X					X	9
C	Scientific and engineering practices	C.1D	X		X							X				X	X		X	X		X		X	X			X	X	X	X	14
C	Scientific and engineering practices	C.1E	X		X			X	X			X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	22
C	Scientific and engineering practices	C.1F	X				X	X		X	X		X	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	21
C	Scientific and engineering practices	C.1G		X		X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	25
C	Scientific and engineering practices	C.1H	X																X		X		X									4
C	Scientific and engineering practices	C.2A				X		X	X	X					X						X											6
C	Scientific and engineering practices	C.2B		X				X		X	X	X		X		X	X	X	X	X		X		X	X	X	X	X	X	X	X	20
C	Scientific and engineering practices	C.2C		X			X		X								X	X		X	X	X		X	X	X		X		X	X	14
C	Scientific and engineering practices	C.2D	X		X												X					X	X		X			X				7
C	Scientific and engineering practices	C.3A					X				X	X		X	X	X	X	X	X	X			X		X	X	X		X	X	X	17
C	Scientific and engineering practices	C.3B	X		X			X	X	X	X	X	X			X			X			X	X		X	X	X				X	16
C	Scientific and engineering practices	C.3C	X									X	X			X	X		X			X		X		X	X			X	X	12
C	Scientific and engineering practices	C.4A	X		X	X		X		X											X	X	X			X		X			X	11
C	Scientific and engineering practices	C.4B	X			X		X		X								X														5
C	Scientific and engineering practices	C.4C	X					X																		X						3
C	Recurring themes and concepts					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	26
	Totals by Unit		13	3	7	5	5	10	6	9	6	9	7	6	5	10	10	7	10	8	7	12	10	10	11	13	8	11	7	10	13	**248**