

# 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?

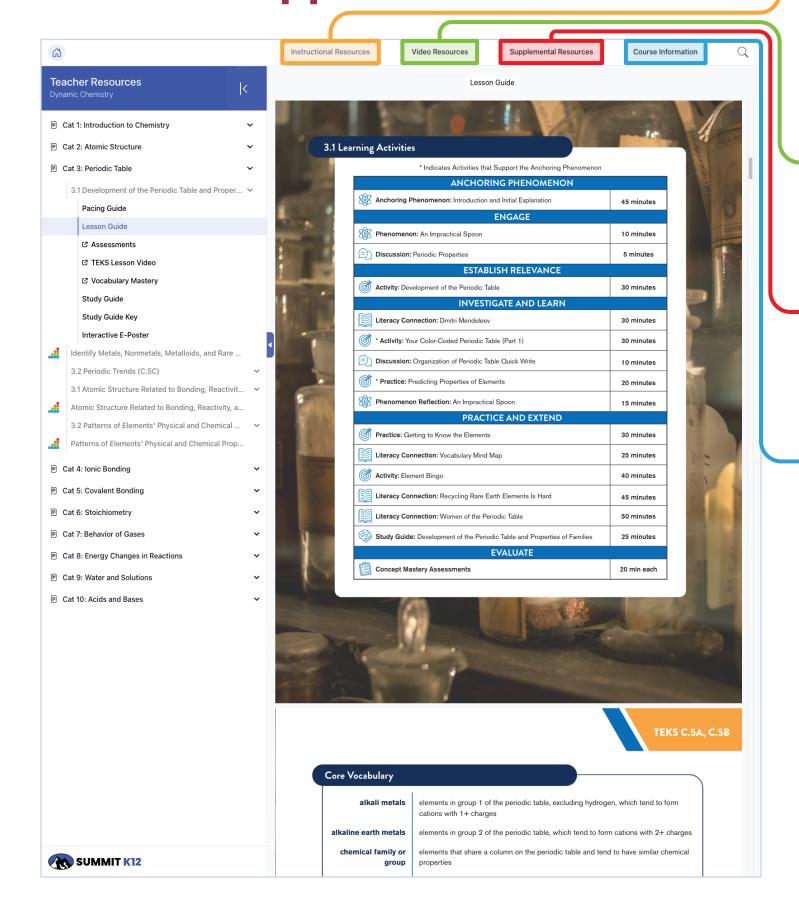
Scan the QR code to visit our website



### **SBOE Approved!**

K-8 English, K-6 Spanish Biology, Chemistry, Physics, IPC 100% TEKS/100% ELPS

## **Concise and Complete Teacher Supports**



#### INSTRUCTIONAL RESOURCES

Pacing Guides
Lesson Guides
Assessments
TEKS Lessons/Videos
Vocabulary Mastery
Study Guides/Keys
Interactive E-Posters

#### VIDEO RESOURCES

Phenomena TEKS Lesson Videos/Simulations Texas Virtual Field Investigations Kate the Chemist Labs

#### SUPPLEMENTAL RESOURCES

Introduction to Science SEPs Background/Vocabulary Science Literacy Graphic Organizers

#### **COURSE INFORMATION**

Pacing Guide
5E Model
Phenomena
Science Lab Explorations
TEKS-SEPs-RTCs Crosswalk

#### **TEACHER SUPPORTS INCLUDE:**

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

#### **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	<b>a</b>
12/4/24	Unit 6 Stoichiometry extra credit	92%	Masters	6
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		â

Robust assessment bank including new item types.

## Teaching Science through Phenomena using the 3D Model

### Science TEKS Content Standards





Scientific and Engineering Practices

Recurring Themes and Concepts



#### **TEKS-SEPs-RTCs Crosswalk**

		SEPs	Dynamic Chemistry TEKS Lessons, Labs, Investigations, and Explore Activities Totals												Totals																	
Subject	Category	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
С	Scientific and engineering practices	C.1A	Х		Х					X				Х								X	Х	Х				X				8
С	Scientific and engineering practices	C.1B	Х		Х							Х											Х			Х		X		Х	Х	8
С	Scientific and engineering practices	C.1C	Х										Х			X	Х					Х		Х	Х	Х					Х	9
С	Scientific and engineering practices	C.1D	Х		Х							Х				X	Х		Х	Х		Х		Х	Х			Х	X	Х	Х	14
С	Scientific and engineering practices	C.1E	Х		Х			Х	Х			Х	Х			Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	22
С	Scientific and engineering practices	C.1F	Х				Х	Х		Х	Х		Х	Х	Х	Х	Х	Х	Х	Х				Х	Х	Х	Х	Х	Х	Х	Х	21
С	Scientific and engineering practices	C.1G		Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х			X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	25
С	Scientific and engineering practices	C.1H	Х																X		X		Х									4
С	Scientific and engineering practices	C.2A				Х		Х	Х	Х					Х						Х	L										6
С	Scientific and engineering practices	C.2B		Х				Х		Х	Х	Х		Х		Х	Х	Х	Х	Х		Х		Х	Х	Х	Х	Х	Х	Х	Х	20
С	Scientific and engineering practices	C.2C		Х			Х		Х								X	Х		X	Х	Х		Х	Х	Х		Х		Х	Х	14
С	Scientific and engineering practices	C.2D	Х		Х												Х					X	Х		X			X				7
С	Scientific and engineering practices	C.3A					Х				Х	Х		Х	Х	Х	Х	Х	Х	Х			Х		Х	Х	Х		Х	Х	Х	17
С	Scientific and engineering practices	C.3B	Х		Х			Х	Х	Х	X	Х	Х			Х			Х			Х	Х		Х	Х	Х				Х	16
С	Scientific and engineering practices	C.3C	Х									X	X			X	Х		X			X		Х		X	Х			Х	Х	12
С	Scientific and engineering practices	C.4A	Х		Х	Х		Х		X											X	Х	Х			Х		X			Х	11
С	Scientific and engineering practices	C.4B	Х			Х		Х		Х								Х														5
С	Scientific and engineering practices	C.4C	Х					Х																		Х						3
С	Recurring themes and concepts					Х	Х	Х	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	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

## 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.

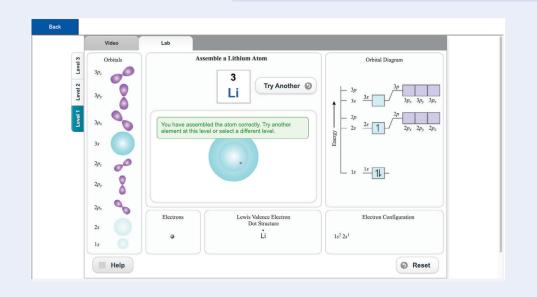


## Hands on Investigations and Virtual Labs

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



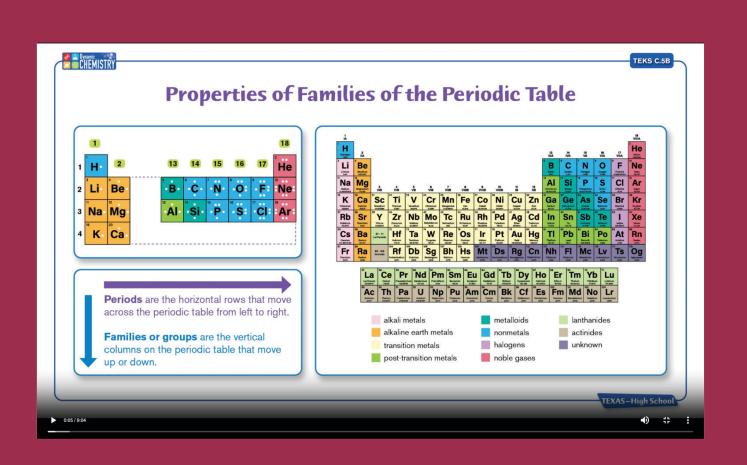




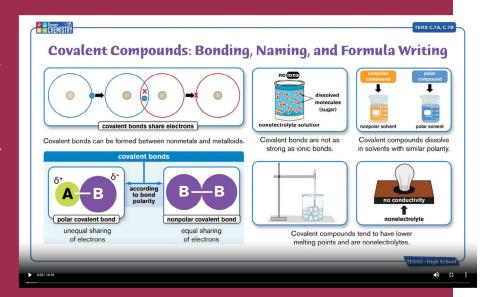


Includes Summit K12 Lab Guides developed to support the 2024 Science TEKS.

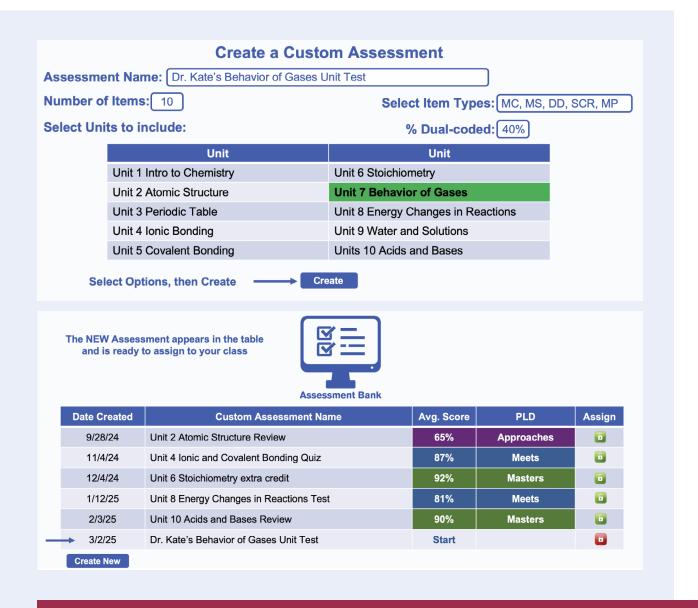
## **High Quality TEKS Lesson Videos**



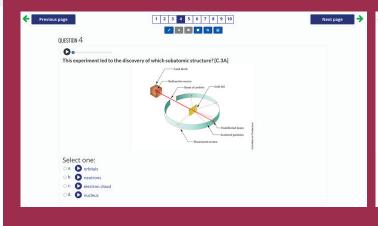
- 100% of the Chemistry Content TEKS and SEPs are supported with high quality Lesson Videos
- 100% of the Videos were specifically created for 2024 K-12 Science TEKS by Texas Science Educators and authors along with a team of Professional Documentary Film Editors and storytellers

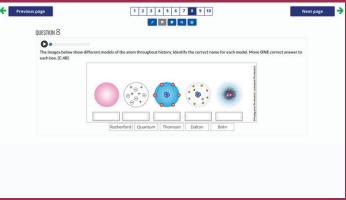


### Formative and Summative Assessments and Assessment Bank



#### Includes Items Written for the 2024 TEKS

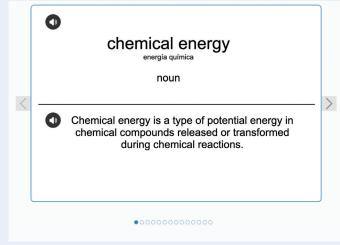


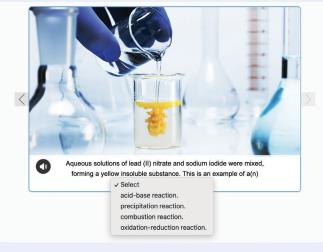


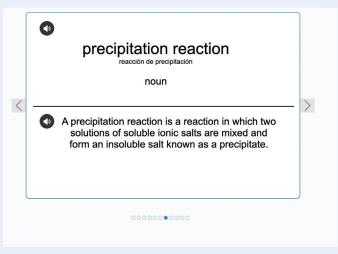
## **Vocabulary Mastery**

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



### Comprehensive Professional Development

### **Professional Development for ALL Stakeholders**

Science Coordinators Science Teachers Principals & Superintendents

Parents/ Guardians Instructional Coaches

SCIENCE COORDINATOR
IMPLEMENTATION PD
INITIAL TEACHER TRAINING
TEKS CHANGES BY GRADE LEVEL
TEACHING WITH PHENOMENA

#### **DELIVERY MODELS**

· Asynchronous, Zoom, and On-site

DIFFERENTIATION/ACCELERATION
SCIENCE-LITERACY/VOCABULARY
3D TEACHING & LEARNING

"Every student in Texas will be deeply involved in the doing of science and sensemaking."

"We need to prepare teachers to teach science in a different way, but we also need to help principals understand that [the new 3D] science classrooms are going to look and sound different than[current classrooms]."



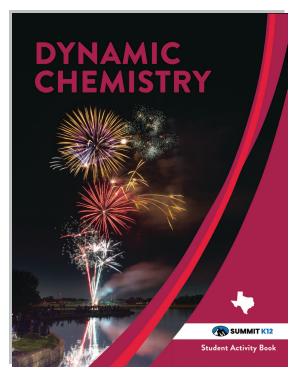
DR. LINDA COOK

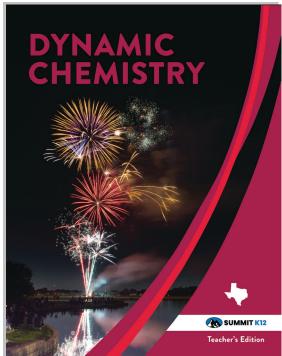
Dr Linda Cook's experiences include Extensive Professional Development Work and presentations related to the Framework for K-12 Science Education; Ready, Set, Science.

- Summit K12 Professional Development Strategy and Implementation Planning
- NSELA Professional Development Committee 2023-2026
- NSELA President-Elect, President, and Past President 2020-2023
- President of the Metroplex Area Science Supervisors (2009-2010)
- Director of K-12 Science, Coppell ISD, 15 years
- PhD Curriculum and Instruction focused on Global Science Education

**EASY · EFFICIENT · EFFECTIVE** 

## Printed 3D Student Activity Books and Teacher's Editions





Student and Teacher Editions designed for **doing** science.

## Convenient, Pre-packaged Classroom Lab Kits







# 2024

### **DYNAMIC** SCIENCE

State Adoption Pricing

K-8th Grade English/Spanish, Biology, Chemistry, Physics, IPC



\$6.95 PER STUDENT/YEAR\*

\*8-year Online Package with Print Teacher's Edition

### **DYNAMIC SCIENCE ONLINE PACKAGES**COMPREHENSIVE 100% TEKS/ELPS STATE APPROVED

PACKAGE	TOTAL PRICE	PRICE PER YEAR
Online 1-Year	\$10.95	\$10.95
Online 2-Year	\$19.90	\$9.95
Online 4-Year	\$31.80	\$7.95
Online 8-Year	\$55.60	\$6.95

### **DYNAMIC SCIENCE ONLINE + PRINT PACKAGES**COMPREHENSIVE 100% TEKS/ELPS STATE APPROVED + PRINT TE

PACKAGE	TOTAL PRICE	PRICE PER YEAR
Online 1-Year + Print TE	\$13.95	\$13.95
Online 2-Year + Print TE	\$23.90	\$11.95
Online 4-Year + Print TE	\$35.80	\$8.95
Online 8-Year + Print TE	\$55.60	\$6.95

3D Student Consumable Print K-12 (from 1-8 Years, up to 25% off)

Science Lab Investigation Kits (starting at \$1,345 per classroom)