

# 2024

## K-2<sup>ND</sup> DYNAMIC SCIENCE

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?

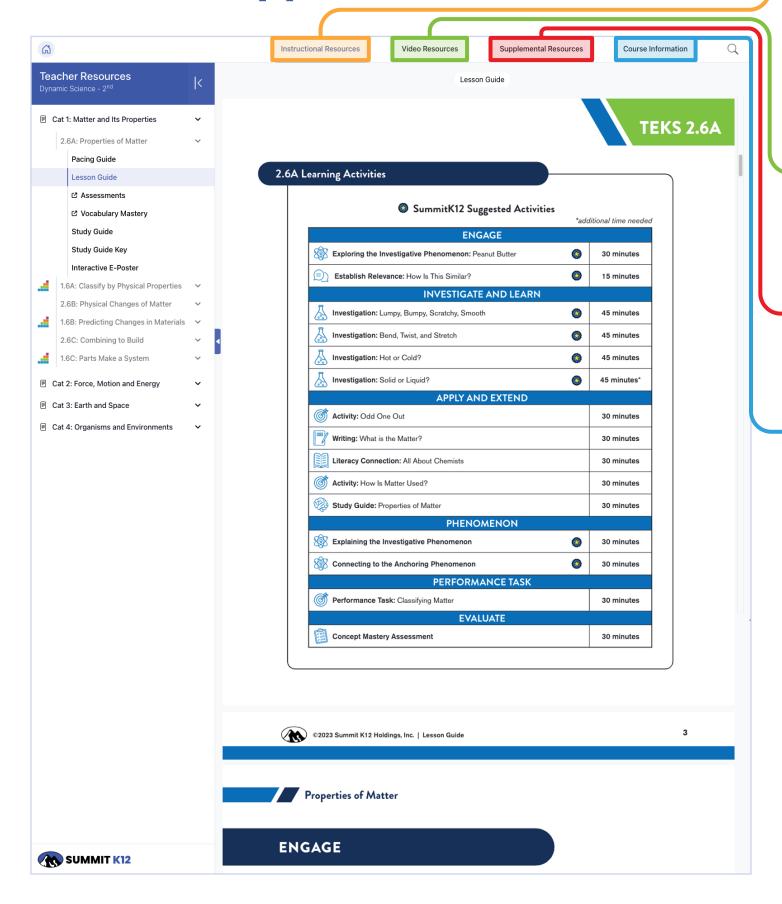
Scan the QR code to visit our website



### **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/E-Books
Vocabulary Mastery
Study Guides/Keys
Interactive E-Posters

#### **VIDEO RESOURCES**

Phenomena Texas Virtual Field Investigations Kate the Chemist Labs

#### SUPPLEMENTAL RESOURCES

SEPs Background/Vocabulary Graphic Organizers

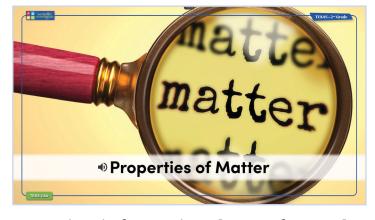
#### **COURSE INFORMATION**

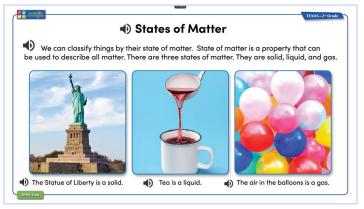
Pacing Guide
5E Model
Phenomena
Science Lab Explorations
TEKS-SEPs-RTCs Crosswalk

#### **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

#### SCIENCE E-BOOKS





Engaging informational texts for students to learn science through reading.

## Teaching Science through Phenomena using the 3D Model

### Science TEKS Content Standards





### **Scientific and Engineering Practices**

### **Recurring Themes and Concepts**



### **TEKS-SEPs-RTCs Crosswalk (2nd Grade Example)**

	SEPs 2nd Grade Dynamic Science TEKS Lessons, Labs, Investigations, and Explore Activities Totals									Totals															
Grade	Category	TEKS	2.6A	2.6B	2.6C	2.7A																2.13B	2.13C	2.13D	
2	Scientific and engineering practices	2.1A	Х	SL	Х	SL	SL	SL	Х	SL	Х	Х	SL	Х	Lab	SL	Lab	SL	SL	SL	SL	SL	SL	SL	22
2	Scientific and engineering practices	2.1B	Х	Х	Х	Х	Lab	Х		Х			Х				Lab								9
2	Scientific and engineering practices	2.1C		Х	Х	Х	Х	Х	Х	Х	Х	Х	Lab	Х	Х	Х	Х	Х	Х	Х	Lab	Х	Х	Х	21
2	Scientific and engineering practices	2.1D	Lab	Х		Х						Х		Lab						Lab	Х			Lab	8
2	Scientific and engineering practices	2.1E	Lab	Х				Х			Х	Х		Lab									Х	Lab	8
2	Scientific and engineering practices	2.1F		Х		Х		Х	Х		Х	Х		Lab		Х	Х				Х	Х	Х	Lab	13
2	Scientific and engineering practices	2.1G			Х		Х			Х	Х		Х	Lab	Х				Lab						8
2	Scientific and engineering practices	2.2A			Х		Х			Х	Lab														4
2	Scientific and engineering practices	2.2B	Х	Lab				Lab	Lab		Lab	Lab	Lab	Х	Lab	Lab	Х	Х			Lab	Lab		Lab	15
2	Scientific and engineering practices	2.2C		Х		Х								Х											3
2	Scientific and engineering practices	2.2D			Lab		Х			Lab				Х											4
2	Scientific and engineering practices	2.3A		Lab	Х		Х	Х	Х	Х		Х					Х			Х			Х	Х	11
2	Scientific and engineering practices	2.3B			Х			Х	Х					Х	Х			Х		Lab	Х	Lab	Lab	Х	11
2	Scientific and engineering practices	2.3C	Х	Lab		Lab	Lab		Х	Х		Х	Lab	Х	Х	Lab		Lab		Lab		Х	Х	Х	16
2	Scientific and engineering practices	2.4A			Lab		Х			Х					Х		Х								5
2	Scientific and engineering practices	2.4B								Lab			Х	Х											3
2	Recurring themes and concepts	2.5A	SL	SL			SL	SL	SL	SL	Lab	Х	SL	Х	Х			SL	SL	SL	SL	SL	SL	Х	18
2	Recurring themes and concepts	2.5B		Lab		Х	Lab	Lab	Lab		Х		Х	Х	Lab	Х	Lab	Х	Х	Х	Х		Х	Х	17
2	Recurring themes and concepts	2.5C	Lab	Х	Х	Х						Х		Х						Lab			Х	Х	9
2	Recurring themes and concepts	2.5D								Lab		Lab	Х						Lab		Lab			Lab	6
2	Recurring themes and concepts	2.5E	Х	Х	Х			Х	Х										Х	Х					7
2	Recurring themes and concepts	2.5F			Lab			Х								Lab	Х	Х	Lab	Lab	Lab	Lab	Lab	Lab	11
2	Recurring themes and concepts	2.5G		Lab		Lab		Х					Lab	Lab		Х	Х	Lab		Х	Х		Х	Х	12
	Totals by Content TEKS	•	9	15	12	10	11	13	10	12	9	11	11	16	9	8	10	9	8	12	11	8	12	15	241

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Lab	Lab Investigations
Х	Inquiry or Explore Activity
SL	Science Literacy Process Skill or RTC

## Kate the Chemist K-2nd Video Series



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

## K-2nd Texas Virtual Field Investigations

ALL K-2nd 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 Explorations

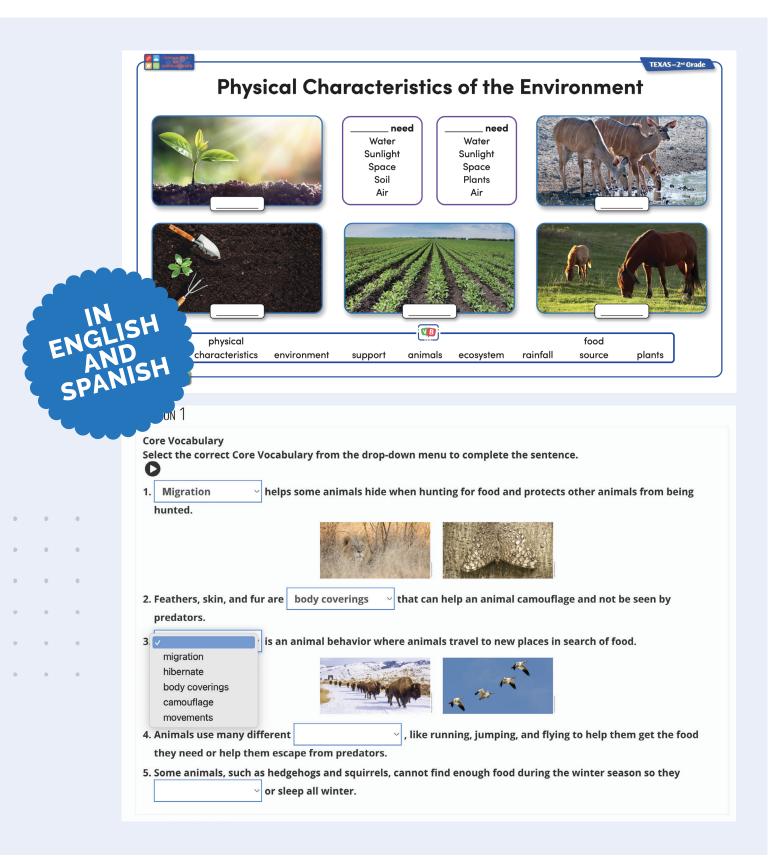
Investigations that support students figuring out concepts through phenomena.

#### **Lab Explorations – 1st Grade**

TEKS	Name of Lab
1.6A	Mystery Bag
1.6B	Testing the Waters
1.6C	My Robot
1.7A	Cotton ball Race
1.7B	"Roll, Roll, Roll."
1.8A	Heat Race
1.8B	Is It Reversible
1.9A	Trees Changing
1.10A	Properties of Soil
1.10B	Moving to a New Place
1.10C	Size, Color, and Clarity
1.10D	What's the Weather
1.11A	Building With Rocks and Soil
1.11B	Rain, Rain, Come Again
1.11C	Pollution Solution
1.12A	Living or Not
1.12B	Interactions in My Aquarium
1.12C	Line it Up
1.13A	It's My Body
1.13B	Life Cycles, Oh My!
1.13C	Oh, Baby!

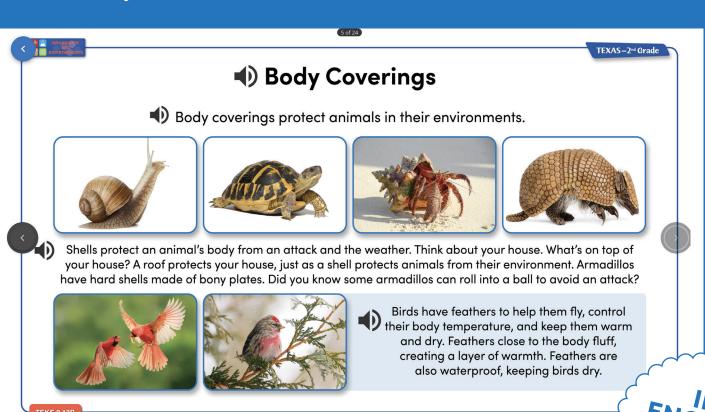


## **E-Poster and Interactive Study Guide**



### **Science Literacy**

Seamlessly Blend the 2024 Science TEKS, SEPs, RLA TEKS, and ELPS.



Over 60 Interactive Science E-books in K-2nd

#### **◄**) Hibernate

Hibernation is a long period of inactivity when animals go into a deep sleep-like state. Groundhogs, some bats, and squirrels hibernate during winter months when food is scarce. Before hibernation animals gain weight to store enough energy to last through the winter. During hibernation, their bodies conserve energy by slowing down.





### **Vocabulary Mastery**

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





Hibernate is a way that some animals deal with the harshness of winter.



## **Image Bank**

- 250-750 images per grade level/subject
- Minimum 6-10 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]."



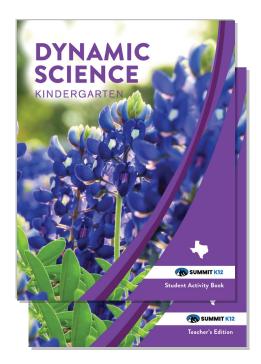
DR. LINDA COOK

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)