

2024

DYNAMIC IPC

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



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.

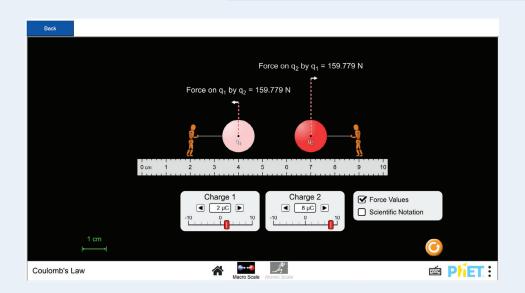


Hands on Investigations and Virtual Labs

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





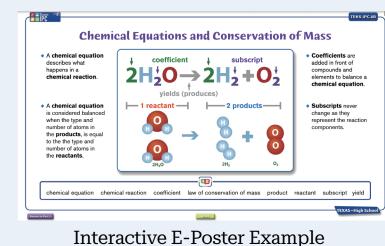




Includes Summit K12 Lab Guides developed to support the 2024 Science TEKS.

Concise and Complete Teacher Supports

Unit	Lesson Name	Lesson Guide	PowerPoint	Study Guide and Key	E-Poster	Interactive E-Poster
1.1	Velocity					
 7.7B	Speed vs. Velocity					
1.2	Acceleration					
 8.7A	Newton's Second Law of Motion					
1.3	Mass, Acceleration and Net Force					
. 6.7B	Balanced and Unbalanced Forces					
1.4	Momentum and Impulse					
TEKS Scaffold						
					TEXAS	-High School
•						

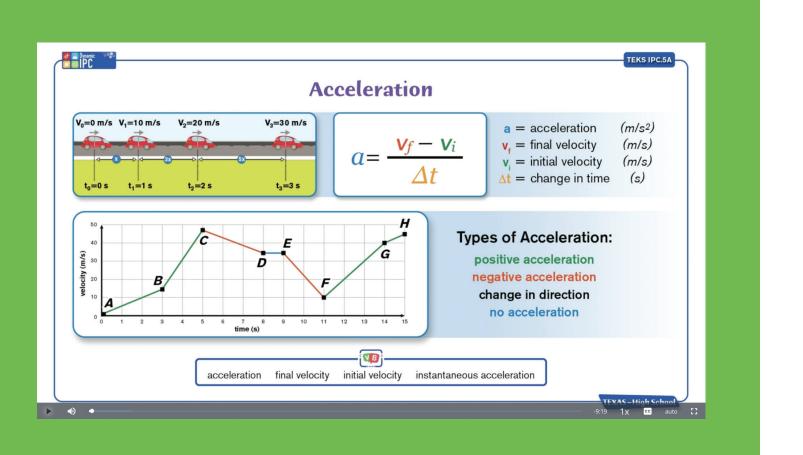


Teacher Supports Include:

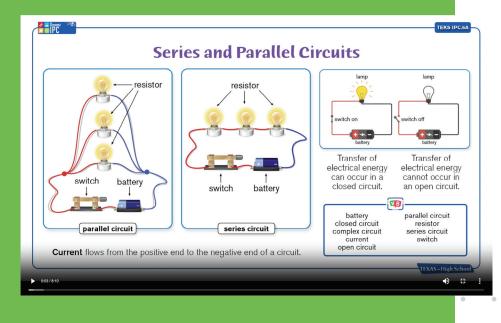
- Lesson and Lab Guides
- Scope and Sequence
- Pacing Guides
- Reports and Dashboards
- Anchoring Phenomena Table
- 3D Teaching and Learning

- Image Bank
- Assessment Bank
- Formative Assessments
- Year-Round Responsive Support
- Asynchronous Online Teacher Training
- Zoom and Onsite Professional Learning

High Quality TEKS Lesson Videos



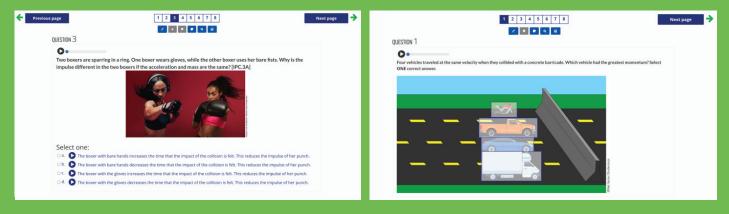
- 100% of the IPC Content TEKS and SEPs include high quality Lesson Videos
- 100% of the Videos were specifically created for
 2024 K-12 Science TEKS by Texas Science Educators and authors along with a team of Professional Documentary Film Editors and storytellers



Formative and Summative Assessments and Assessment Bank

		Orresta e Orr										
Create a Custom Assessment Assessment Name: Dr. Kate's Changes in Matter Exam												
Assessment												
Number of It	ems:	10	Select Item Types: MC, MS, DD, SCR, MP									
Select Units	to inc	lude:	% Dual-coded: 40%									
Force and Mo	tion	Energy Transfer and Conservation	Structure Properties o		Changes in Matter							
Velocity		Series and Parallel Circuits	Atomic Structure, Bonding the Periodic Table	g, Reactivity, and	Chemical Changes							
Acceleration		Electromagnetic Induction	Patterns of Elements' Phy Chemical Properties in th		Chemical Equations and Conservation of Mass							
Mass, Acceleration, and Force	d Net	Conservation of Energy	Physical and Chemical P Everyday Life	roperties in	Nuclear Reactions - Advantages and Disadvantages							
Momentum and Impuls	e	Thermal Energy: Conduction, Convection, Radiation	Atomic Energy Levels, Er and Wave Particle Duality		Environmental Impact of Chemical Reactions							
Four Fundamental Ford	ces	Transfer of Energy by Waves										
Gravitational and Electr Forces	rical	Waves Interference, Reflection, and Refraction										
		Renewable and Nonrenewable Resources										
Select	Optio	ns, then Create	Create									
		appears in the table lign to your class	Sessment Bank									
Date Created		Custom Assessment	Name	Avg. Score	PLD	Assign						
9/28/24	Velo	city and Acceleration review		65%	Approaches	6						
11/4/24	Mas	s, Acceleration, and Net Force Qu	liz	87%	Meets	6						
12/4/24	Ener	rgy Transfer and Energy Conserva	ation Test	92%	Masters	6						
1/12/25	TEK	S IPC.7A Atomic Structure quiz		81%	Meets	6						
2/3/25	Unit	3.5 (IPC.7F) quiz		90%	Masters	6						
→ 3/2/25	Dr. H	Kate's Changes in Matter Exam		Start		Û						
Create New												

Includes Items Written for the 2024 TEKS



Vocabulary Mastery

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

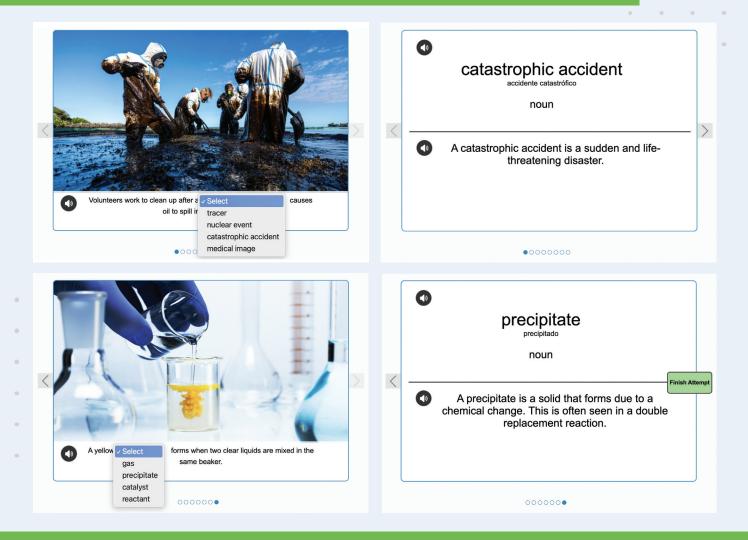


Image Bank

- 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

		SEPs	Dynamic IPC TEKS Lessons, Labs, Investigations, and Explore Activities														Totals								
Subject	Category	TEKS	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	2.4	2.5	2.6	2.7	3.1	3.2	3.3	3.4	3.5	4.1	4.2	4.3	4.4	by SEPs
IPC	Scientific and engineering practices	IPC.1A		х				х		х							х							х	5
IPC	Scientific and engineering practices	IPC.1B				х		х	х	х			Х							х	х	х		Х	9
IPC	Scientific and engineering practices	IPC.1C										х								х	х	х			4
IPC	Scientific and engineering practices	IPC.1D							х	х	х										Х	х			5
IPC	Scientific and engineering practices	IPC.1E			х			х		х	х	х	х						х			х			8
IPC	Scientific and engineering practices	IPC.1F		х	х		Х	х			х		х			х		Х		х				Х	10
IPC	Scientific and engineering practices	IPC.1G					Х	х	х		Х	х		х		х						х			8
IPC	Scientific and engineering practices	IPC.1H				Х	х																		2
IPC	Scientific and engineering practices	IPC.2A						х			х					х			х						4
IPC	Scientific and engineering practices	IPC.2B	х		х	х					х		Х												5
IPC	Scientific and engineering practices	IPC.2C	х	х	х	х																х			5
IPC	Scientific and engineering practices	IPC.2D				х				х			Х									х			4
IPC	Scientific and engineering practices	IPC.3A	х		х	х	х		х		х				х	х	х	Х	х	х	х	х	х	х	16
IPC	Scientific and engineering practices	IPC.3B	х			х			х	х				х	х	х	х		х	х		х	х	х	13
IPC	Scientific and engineering practices	IPC.3C	х			х								х	х				Х				х		6
IPC	Scientific and engineering practices	IPC.4A											х			х	х	Х	Х		Х			х	7
IPC	Scientific and engineering practices	IPC.4B		х		Х	х				х			х		х	х		х			х		Х	10
IPC	Scientific and engineering practices	IPC.4C																	Х				х		2
IPC	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	22
Totals by Unit			6	5	6	10	6	7	6	7	9	4	7	5	4	8	6	4	9	6	6	11	5	8	145