




Dynamic Science Resources

Item	Grade Level/ Course	Description	Location/ Navigation	Suggestions for use	Ideas for use in my Classroom
Pacing Guide	K-12	List of activities for each lesson with an approximate timeframe	<ul style="list-style-type: none"> ✓Teacher Resources ✓Pacing Guide (nav bar) 	Planning purposes	
Scope and Sequence	K-12	Various levels of scope and sequences for the year.	<ul style="list-style-type: none"> ✓Teacher Resources ✓Course Information Tab ✓Teaching & Learning Overview (nav bar) ✓Scope & Sequence and Pacing Guides 	Planning purposes, curriculum writing	
Lesson Guide	K-12	A teacher edition document that includes teacher supports, links to resources, and shows the lesson flow. Additionally includes support for the use of phenomenon.	<ul style="list-style-type: none"> ✓Teacher Resources ✓Lesson Guide (nav bar) 	Lesson planning, teacher support, access to resources and handouts for students	
Phenomenon	K-12	Videos, presentations and images that provide real-world depictions of science concepts	<ul style="list-style-type: none"> ✓Teacher Resources ✓Lesson Guide (nav bar) <p>May also be accessed by</p> <ul style="list-style-type: none"> ✓ <i>Science</i> Videos & Interactives OR Science Videos ✓Phenomenon Master Table <p>NOTE: K accesses from Phenomena Master Table blue button on home page</p>	Use to launch each unit alongside the phenomenon sensemaking process.	
Phenomenon Sensemaking Guide	K-8, Biology, IPC	For these grade levels there is one document that combines the initial model, summary table, and final model.	<ul style="list-style-type: none"> ✓Teacher Resources ✓Lesson Guide (nav bar) <p>Scroll down to the ENGAGE section</p>		
Initial Model Template	Chemistry Physics	Template for students to record their initial model and driving question	<ul style="list-style-type: none"> ✓Teacher Resources ✓Lesson Guide (nav bar) <p>Scroll down to the Phenomenon section</p>	After showing the phenomenon, before instruction on the topic	

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Summary Table	Chemistry Physics	A table for students to summarize their learning at intervals during the lesson and change their models as they learn more.	<ul style="list-style-type: none"> ✓Teacher Resources ✓Lesson Guide (nav bar) Scroll down to the Phenomenon section	After each activity that is denoted by an asterisk	
Final Model Template	Chemistry Physics	A template for students to share their final model and understanding of the concept.	<ul style="list-style-type: none"> ✓Teacher Resources ✓Lesson Guide (nav bar) Scroll down to the Phenomenon section	Upon completion of all the activities that build understanding of the concept.	
TEKS Lesson Videos	3-12	Videos that provide direct instruction for each Student Expectation in the TEKS. The e-poster is embedded in each.	<ul style="list-style-type: none"> ✓ <i>Science</i> Videos & Interactives OR Science Videos ✓ <i>Science</i> TEKS Lesson Videos May also be accessed from the left navigation bar after ✓Teacher Resources Also included under Concept Mastery alongside assessments.	Review before summative assessment; direct instruction after final model is developed; intervention using videos for prior grade levels	
Vocabulary Mastery	K-12	Vocabulary <i>practice</i> . Students practice vocabulary by completing sentences accompanied with visuals.	<ul style="list-style-type: none"> ✓Science Literacy /Vocabulary Mastery OR Science Writing/Vocabulary Mastery ✓Vocabulary Mastery May also be accessed from the left navigation bar after ✓Teacher Resources Also included under Concept Mastery alongside assessments.	Review, reinforcement, formative assessment, intervention	
Study Guide	K-12	A traditional paper/pencil assessment/review.	<ul style="list-style-type: none"> ✓Teacher Resources ✓Study Guide (nav bar) 	Review, assessment, homework grade	

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Interactive E-Poster	K-12	<p>An anchor chart for each Student explication or a group of student expectations.</p> <p>Exists as a static document, a wall poster, a fill in the blank document with key vocabulary blanks, and an interactive version that allows the teacher to click and display individual sections.</p>	<ul style="list-style-type: none"> ✓Teacher Resources ✓Interactive E-Poster (nav bar) 	<p>Post in your room during the unit, make a copy for student notebooks.</p> <p>Also use for review, small group intervention</p> <p>Interactive e-poster may be used as a bell ringer.</p> <p>Fill in the blank e-posters may be used as a formative assessment or vocabulary station. Use scaffolded, vertically aligned e-poster for struggling students who need to master content from prior years.</p>	
 Scaffolds	1-12	This icon identifies the prerequisite, vertically aligned student expectations and the activities associated with each.	Throughout Dynamic Science	Tier 3 instruction, closing gaps, tutorials, small group instruction.	
Hands-On Investigations	K-12	Investigations that include materials for students to manipulate, figure out the phenomena, etc.	<ul style="list-style-type: none"> ✓Teacher Resources ✓Lesson Guide (nav bar) <p>Handouts, keys, and teacher supports for labs will be found embedded in the lesson guide.</p> <p>For a list of labs:</p> <ul style="list-style-type: none"> ✓Teacher Resources ✓Course Information Tab ✓Scientific & Engineering Prac (nav bar) ✓Teacher Resources ✓Science Lab Investigations 	Planning, preparation, and implementation of labs.	
Virtual Investigations	3-12	Simulations, animations, and virtual labs.	<ul style="list-style-type: none"> ✓ <i>Science</i> Videos & Interactives ✓ <i>Science</i> Interactives <p>May also be accessed from the left navigation bar after ✓Teacher Resources</p>	To supplement hands-on labs for students who are absent or in alternative settings, to include labs that could not otherwise be performed in a classroom, to reinforce hands-on activities, review	

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Materials Lists	K-12	List of materials needed for hands-on investigations	<ul style="list-style-type: none"> ✓Teacher Resources ✓Course Information Tab ✓Scientific & Engineering Practices (nav bar) ✓Teacher Resources ✓Materials List & Lab Inquiry Kits 	Planning, preparation, ordering.	
Assessments	K-12	<p>Short formative assessments with STAAR-like questions</p> <p>3-HS: Each includes a pre-assessment followed by the TEKS Video and Vocabulary Mastery. Students must score an 80% on the vocabulary before they can take the final assessment</p> <p>K-2 Each assessment is accompanied by an e-book, vocabulary mastery, and a study/practice guide.</p>	<ul style="list-style-type: none"> ✓Concept Mastery 	Formative and/or summative assessments.	
Kate the Chemist Videos	1-12	<p>Kate videos include student pre-labs, labs, phenomena, teacher pre-labs and full experiments. Videos vary by grade level.</p> <p>Videos are not limited to chemistry.</p>	<ul style="list-style-type: none"> ✓ <i>Science</i> Videos & Interactives OR Science Videos ✓Kate the Chemist 	Investigations for which you do not have the materials or safety measures, teacher support, student understanding of labs, students who are absent during a lab, as a phenomenon, showcasing a woman doing science	
Virtual Field Investigations	K-12	Video tours of Texas State Parks. Includes concepts, vocabulary and teacher guides. Available at Elem, MS, or HS levels.	<ul style="list-style-type: none"> ✓ <i>Science</i> Videos & Interactives OR Science Videos ✓Virtual Field Investigations 	Reinforcement of concepts, real-world connections, relevancy, extension	

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e-Books	K-8/HS*	<p>Short digital books focused on TEKS. Each includes an entire teacher guide for the book, a STAAR-formatted science assessment, and a STAAR-formatted ELA assessment</p> <p>*MS titles are available to HS for scaffolding.</p>	<p>K-2: ✓Teacher Resources ✓TEKS Lesson OR e-book (nav bar)</p> <p>3-8: ✓Science Literacy/Vocabulary Mastery ✓Differentiated Science Literacy</p> <p>HS: ✓Teacher Resources Select the scaffolded ebook from the Nav bar</p>	Supporting and developing reading skills using science content. Building science concepts.	
Differentiated Writing Prompts	K-8	Writing Prompts at multiple levels from Beginning to Advanced High for all writers at all levels. Although these are identified with English Language Proficiency Levels, they may be used with all students.	<p>✓Science Literacy or Writing/Vocabulary Mastery ✓Differentiated Science Writing</p>	ELA Integration, Assessment for Science	
Cross-Curricular Passages	3-5	STAAR formatted reading passages with assessments for science and ELA	<p>✓Science Literacy or Writing/Vocabulary Mastery ✓Cross-Curricular Passages</p>	Reading, STAAR practice, science assessment, ELA assessment	
STAAR Readiness	5, 8, Biology	A comprehensive review module that includes a pretest and creates a personalized learning plan for each student. Lesson guides included for each student expectation.	<p>Located on your home page below the buttons you use regularly ✓STAAR</p>	STAAR Readiness	
SEPs Direct Instruction	K-12	Brief lessons on SEPs and RTCs	✓Science & Engineering Practices	Small group instruction, direct instruction for the whole class at the point of use of each skill or theme.	
RTCs Direct Instruction	K-12	Brief lessons on SEPs and RTCs	✓Science & Engineering Practices	Small group instruction, direct instruction for the whole class at the point of use of each skill or theme.	





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Lesson Slides	HS	Downloadable PowerPoint™ slide decks for each concept.	<ul style="list-style-type: none"> ✓Teacher Resources ✓Supplemental Resources Tab ✓Lesson Slides 	Direct Instruction Once you download a deck, it is yours to edit as you like.	
Study Notes	HS	Notes for each concept	<ul style="list-style-type: none"> ✓Teacher Resources ✓Supplemental Resources Tab ✓Study Notes 	Teacher background for new teacher, handouts for students, guide for lecture, resource for students who missed lecture	
Key Concepts Slides	MS	A slide deck for the key concepts for each lesson	<ul style="list-style-type: none"> ✓Teacher Resources ✓Lesson Guide Scroll down to “Investigate and Learn” section.	Teacher background for new teacher, handouts for students, guide for lecture, resource for students who missed lecture	
Science Around You	K-5	Brief content-aligned articles that highlight the relevance of science in your students’ lives.	<ul style="list-style-type: none"> ✓Teacher Resources ✓Supplemental Resources Tab ✓Science Around You 	Homework, extension, reinforcement of concepts	
Graphic Organizers	K-12	Content-aligned and generic graphic organizers	<ul style="list-style-type: none"> ✓Teacher Resources ✓Supplemental Resources Tab ✓Graphic Organizers 	Organizing student thinking, assessment, review, remediation, to drive a lecture, to support reading, to clarify a concept, to show connections	
Assessment Bank	3-12	Design your own assessments, including new question types by TEKS.	<ul style="list-style-type: none"> ✓Teacher Resources ✓Supplemental Resources Tab ✓Assessment Bank 	Assessment	
Diagnostic Assessments	K-2	Pencil and paper assessments that may be given orally, independently, or in small groups as appropriate to your grade level and students.	<ul style="list-style-type: none"> ✓Teacher Resources ✓Supplemental Resources Tab ✓Diagnostic Assessments 	Pre and post assessments, supports standards-based grading	

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Image Bank	K-12	Select from thousands of images aligned to each student expectation.	<ul style="list-style-type: none"> ✓Teacher Resources ✓Supplemental Resources Tab ✓Image Bank OR <ul style="list-style-type: none"> ✓Science Literacy or Writing/Vocabulary Mastery ✓Vocabulary Mastery Scroll down ✓Image Bank	Direct instruction, bell ringers, remediation, assessment	
Reports/Grades	K-12	Access grades via multiple formats in color-coded reports	<ul style="list-style-type: none"> ✓Reports Button Located in the upper right hand corner for each class on your home page	Grading, progress monitoring	
TEKS	K-12	TEA Resources	<ul style="list-style-type: none"> ✓Teacher Resources ✓Course Information Tab ✓TEA Resources 	Planning	
ELPS/ELPS Support	K-12	TEA Resources	<ul style="list-style-type: none"> ✓Teacher Resources ✓Course Information Tab ✓TEA Resources 	Planning and supporting Emergent Bilingual Learners	
ELPS Accommodations	K-5	Accommodations aligned to science standards.	<ul style="list-style-type: none"> ✓Teacher Resources ✓Course Information Tab ✓Course Orientation 	Planning, support for implementing ELPS	
Emergent Bilingual Learner Supports - may also be appropriate for students with an IEP as indicated by their goals					
Spanish Cognates	K-12	Students learn cognates related to science as they read and record their voices	<ul style="list-style-type: none"> ✓Science Literacy OR Writing/Vocabulary Mastery ✓Spanish Cognates 	Support for Emergent Bilingual Learners	
Multilingual Newcomer Lessons	K-12	Interactive foundational English readers for science concepts. Written at an emerging reader level. Includes a vocabulary review and a quiz.	<ul style="list-style-type: none"> ✓Science Literacy OR Writing/Vocabulary Mastery ✓Multilingual Newcomer Lessons 	Support for Emergent Bilingual Learners	
Science Foundations Newcomer Lesson Guide (Coming Soon)	3-Biology	A few very basic general science lessons in Spanish plus 11 languages.	<ul style="list-style-type: none"> ✓Science Literacy/Vocabulary Mastery ✓Multilingual Newcomer Lessons ✓Science Foundations Newcomer Lesson Guide (button above the table)	Support for students new to the English Language	

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Blue Buttons on Home Page (K)	
	Videos and images for Phenomena
	Supports to build students content knowledge - Assessments Vocabulary Mastery
	Vocabulary Mastery, Bilingual Supports, E-books, Writing Prompts
	Lessons and Vocabulary for the SEPs and RTCs
	Lessons, Lesson Guides, Teacher Supports & below

Blue Buttons on Home Page (1-2)	
	Video resources and phenomena master tables
	Supports to build students content knowledge - Assessments Vocabulary Mastery
	Vocabulary Mastery, Bilingual Supports, E-books, Writing Prompts
	Lessons and Vocabulary for the SEPs and RTCs
	Lessons, Lesson Guides, and Teacher Supports see below

Blue Buttons on Home Page (3-12)	
	Video resources, phenomena master tables, and virtual labs
	Supports to build students content knowledge - Assessments Vocabulary Mastery
	Vocabulary Mastery, Bilingual Supports, E-books, Writing Prompts (K-5), Cross Curricular Passages (3-5)
	Lessons and Vocabulary for the SEPs and RTCs
	Lessons, Lesson Guides, and Teacher Supports See table below
	STAAR Readiness Module for 5th, 8th, Biology

Teacher Resources Tabs	
Instructional Resources	Access to lesson guides, lessons, teacher support, student handouts, videos, and assessments. Organized by TEKS or Units.. Includes access to scaffolded resources from prior grade levels.
Video Resources	All videos, including TEKS Videos, Phenomena Videos, Kate the Chemist Videos, Virtual Field Investigation Videos
Supplemental Resources	SEPs mini-lessons, Lesson slides, study notes, graphic organizers, e-books, image bank
Course Information	Everything you ever wanted to know about Dynamic Science. Information from getting started to scope and sequences, links to ELPs and TEKS. Instruction in 3-D Science and navigation.

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