Accelerating Success

# 🌟 Accelerating Success Teacher Resource Guide

## 🎬 Online Modules

Our **digital HTML5 Online Modules** combine video-based instruction, interactive practice, and immediate feedback to make science engaging and measurable.

### Structure & Flow

Each module begins with **one to two short, content-specific videos** to:

- Build background knowledge
- Clarify difficult vocabulary or visuals
- Prepare students for success in the interactive section

Following the videos, students work through **interactive slides** featuring multiple activity types:

- 🧩 Drag and Drop
- ✅ True/False
- ⭕ Multiple Choice & Multiple Select
- 🧠 Fill in the Blank
- 🗂️ Drop-Down Menus
- ✍️ Short Constructed Response

Some modules include **open-ended reflection prompts** encouraging students to record responses in their **science journal** for accountability and metacognition.

### Student Motivation

Each correct response is rewarded with **science-themed music and positive reinforcement**, making the experience both educational and fun.

### Teacher Data & Feedback

At the end of each module, students receive a **results page** that shows:

- Total questions attempted
- Number of tries per slide
- Which slides were most challenging

This helps teachers:

- Identify patterns of misunderstanding
- Use data for reteach or elaboration
- Incorporate real student performance into Tier 2 or small-group discussions

### Two Types of Modules

1. **Concept-Specific Modules**
   Each module targets a *single term or concept* from a TEKS standard.
2. **Cumulative Modules**
   Combine all concepts from a standard into one comprehensive review.

**Example – TEKS 5.6A: Compare and contrast matter based on its physical properties.**

This standard asks fifth graders to classify matter through observation and investigation.
To support this, Accelerating Success offers individual modules for:

- **Mass** – How much matter is in an object
- **Magnetism** – The attractive/repulsive forces of magnets
- **Relative Density** – Whether an object sinks or floats
- **Physical State** – Solid, liquid, or gas
- **Volume** – The amount of space matter occupies
- **Solubility** – Whether a substance dissolves in water
- **Conductivity** – How well a substance transfers heat or electricity

Then, a **Cumulative 5.6A Module** reviews *all seven properties together* to reinforce mastery.

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# 📚 Curriculum Corner Resources

The **Curriculum Corner** equips teachers with ready-to-use classroom resources that follow the Texas TEKS and the **5E Instructional Model** (Engage, Explore, Explain, Elaborate, Evaluate).

### 🧑‍🏫 Teacher Slides

- Google Slides designed for full-class or small-group instruction.
- Organized by the **5E model** for ease of lesson planning.
- Include embedded visuals, checks for understanding, and discussion prompts.
- Perfect for digital projection, modeling, or guided learning.

### 🧑‍🎓 Student Slides

- Interactive companion slides aligned to the Teacher Slides.
- Students respond to questions, models, and scenarios directly in Google Slides.
- Serve as **constant accountability tools** that can be assigned through Google Classroom.
- Teachers have **flexibility**—they can assign the full set or select just a few slides (e.g., only Elaborate slides).

### 📖 Science Literacy Readers

- Extended reading passages that integrate reading comprehension and science.
- Include vocabulary development, comprehension questions, and reading-to-learn tasks.
- Great for Tier 2 literacy enrichment and interdisciplinary connections. *(Available for most, but not all standards.)*

### 📰 Thumbnail Literacy Passages

- Short reading passages with 1–2 comprehension questions.
- Ideal for **quick formative checks** or bell ringers.
- Reinforces science vocabulary in context.

### 🎥 Instructional Videos

- Short, teacher-friendly videos created specifically for **Texas TEKS**.
- Three main types:
    1. **TEKS-Specific Videos** – Directly tied to individual TEKS standards.

2. **Vocabulary Videos** – Focused on key science terms.
3. **Engagement Videos** – Designed to spark curiosity and discussion.

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## ⚡ Vocabulary Energizers

These high-engagement activities make science vocabulary come alive through collaboration, creativity, and movement. Each activity is aligned to the **Depth of Knowledge (DOK)** framework.

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### 🧠 DOK 1: Recall & Reproduction

**💰 Money Makers**
"Who Wants to Be a Millionaire?" for science! Students compete individually or in teams to earn "money" (classroom currency) by answering content-based questions.

**🏀 Game Time**
Total Physical Response meets science review!
Students hold balled-up paper and face away from the board.
When the game says "Let's Go!", they turn and throw their paper at the correct answer.

- Game Modes: Football, Basketball, Soccer
- Adjust difficulty by moving closer or farther from the board.

**💵 Cash Quest**
Old-school Jeopardy with a science twist!
Premade game boards by TEKS standard.

**🎉 Bingarama**
Call out concepts and have students mark them on their science bingo cards. Perfect for review and competition.

**📺 Fact or Fiction**
Students create three true statements and one false statement after reading or watching science media.
Partners try to identify which is the fiction — a powerful comprehension check.

**🌍 Capture the World (5th Grade Only)**
Answer correctly to "buy" pieces of continents and control the world.
Students earn money to purchase territories — strategy and science collide!

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### 💡 DOK 2: Skills & Concepts

**🗣️ You Don't Say!**
A science twist on Taboo!
Students describe the target word using scientific reasoning without saying the listed forbidden words.

**🔠 Categories**
Teacher selects a concept (e.g., "producers"), spins a wheel for a letter (e.g., "B"), and students brainstorm as many examples as possible — quietly!
Only unique answers earn points.

**🏆 WordMaster**
Students deduce vocabulary terms using contextual clues.
Each correct guess earns a step closer to becoming the **WordMaster Champion**!

**⏳ Points Pyramid**
Team guessing challenge — one student faces away while teammates describe 10 words in sequence before time runs out.

#### 👾 Galaxy Wars (5th Grade Only)
Students defend Earth from alien robots by answering questions correctly and winning four rounds of rock-paper-scissors.
Victory requires 70% accuracy and strategy!

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### 🚀 DOK 3: Strategic Thinking

#### 🎯 Deductions
Students play against each other (or the teacher) using yes/no questions to eliminate options and guess the opponent's object — great for applying property-based reasoning.

#### 🔄 Connection
Spin two wheels — one with science categories, one with random objects. Students must justify how one object connects to the scientific concept.

#### 🎶 You Can Do It!
Spin for a science term and a creative task: express it through a song, dance, poem, or mnemonic. Perfect for creative classrooms!

#### 🎨 ACC Imagination
Pictionary for science!
A student draws while classmates guess the term — optionally add a **crosscutting concept** (like cause/effect) for extra challenge.

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## 🔬 3D Support & RTC (Recurring Themes and Concepts)

Our 3D section connects science and engineering practices, crosscutting concepts, and recurring themes across TEKS.

### 🎞️ Vocabulary Shorts

- 1–2 minute videos on key terms
- Perfect for warm-ups or quick reviews

### 🧩 Flashcards

- Digital vocabulary cards
- Include study mode and in-game challenge mode (track correct streaks)

### 📓 Digital Dictionary

- A modern, searchable resource with definitions and short videos
- Replaces the old yellow textbook glossary

### 💬 Warm-Ups & Exit Tickets

- Short, formative activities aligned to vocabulary or concepts
- Great for bell work or lesson closure

### 🧠 Digital Anchor Charts

- Ready-made teacher charts for projection
- Student templates for creating their own chart libraries

### 🎴 RTS Card Games

- Classic card games (like **UNO**) reimagined for science concepts

### 🧭 3D Assessment Cluster Sets

- Multi-stimulus assessments designed to measure deep conceptual understanding

🧪 **H.O.L.A. to Science (Hands-On Learning Assessments)**

• Hands-on activities designed as additional labs
• Includes embedded formative assessments and performance checks

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## 💭 Think Tank

Structured to help students **build knowledge before synthesis**.
They work through short tasks or questions that strengthen reasoning before combining ideas.
Bonus: Students earn **funny (and sometimes cringey) dad jokes** for effort!

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## 📖 Interactive E-Readers

Digital, interactive science books with embedded videos, images, and formative questions.
Support reading, listening, and visual learners in English and Spanish.

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## 🕹️ ACC Arcade

Our most popular hub for **science-based games and fun learning competitions**, featuring:

- Connect 4
- Battleship
- Tower Defense
- Tic Tac Toe
- Vocab Chicken
- Platform Jumpers
  All bilingual and TEKS-aligned, available for both whole-class and individual play. Keep a look out because more arcade games are on the way.

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⏱️ **10-Minute Science**
• Short, high-impact investigations or challenges
Perfect when Tier 2 time is limited or as a warm-up/exit center. Keeps engagement high while reinforcing one targeted concept.

**Time:** 10 minutes – Mini-lab, quick demonstration, or think-pair-share experiment.

## 💬 Teacher Tip

Use Accelerating Success resources flexibly:

- **Tier 1:** Core instruction (Rare)
- **Tier 2:** Small-group intervention and reteach (Primary)
- **Tier 3:** Targeted enrichment and extension

Everything is designed to support engagement, differentiation, and mastery — while making science FUN again!