

# Experience Chemistry



*Experience* **It!**  
IT'S THE SCIENCE OF DOING!



# Phenomenal

experiences drive student inquiry.

*Experience Chemistry* is an exciting, innovative way to teach chemistry. It uses phenomena to engage students in real-world inquiry. The program organization helps you implement the three dimensions around Anchoring, Investigative, and Everyday Phenomena.

## Phenomena Organization



**How** can we  
**produce**  
**better foods?**

Launch every Storyline with an **ANCHORING PHENOMENON** that sets a clear narrative for studying the core concept. Students ask questions and explain the phenomenon on their sense-making journey.

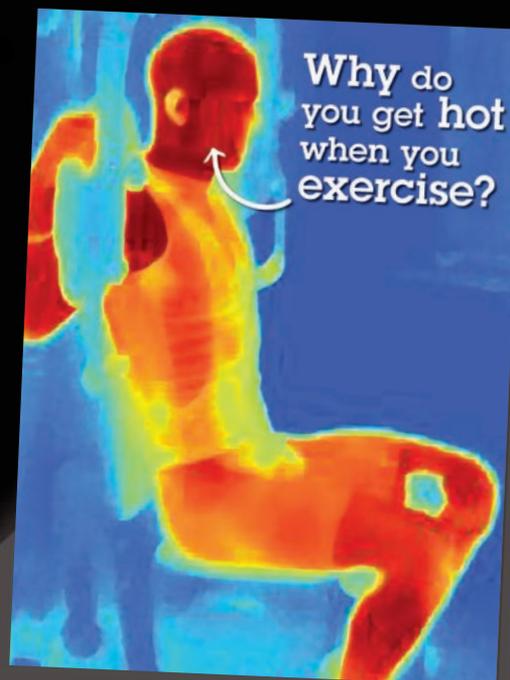
Introduce every investigation with an **INVESTIGATIVE PHENOMENON** that provides another opportunity for students to interact with an engaging event and gather knowledge to make sense of the Anchoring Phenomenon.

Engage students in an everyday way with **EVERYDAY PHENOMENA**. From Flinn Scientific inquiry labs to modeling activities, students are motivated to figure out why and how a phenomenon happens.



**Plus Related Phenomena in the Teacher Guide**

Want more ideas? The Teacher Guide offers alternative suggestions for every phenomenon.



# Flinn Labs

take inquiry to a higher level.

*Experience Chemistry* is the science of doing! An exclusive partnership with **Flinn Scientific**, the leading classroom lab solution provider, gives students access to its labs and activities directly in *Experience Chemistry*.

## Hands-on Labs

Every learning experience in *Experience Chemistry* includes a hands-on inquiry lab developed by Flinn Scientific. To save you time, each lab is available in four versions to meet your diverse classroom needs.

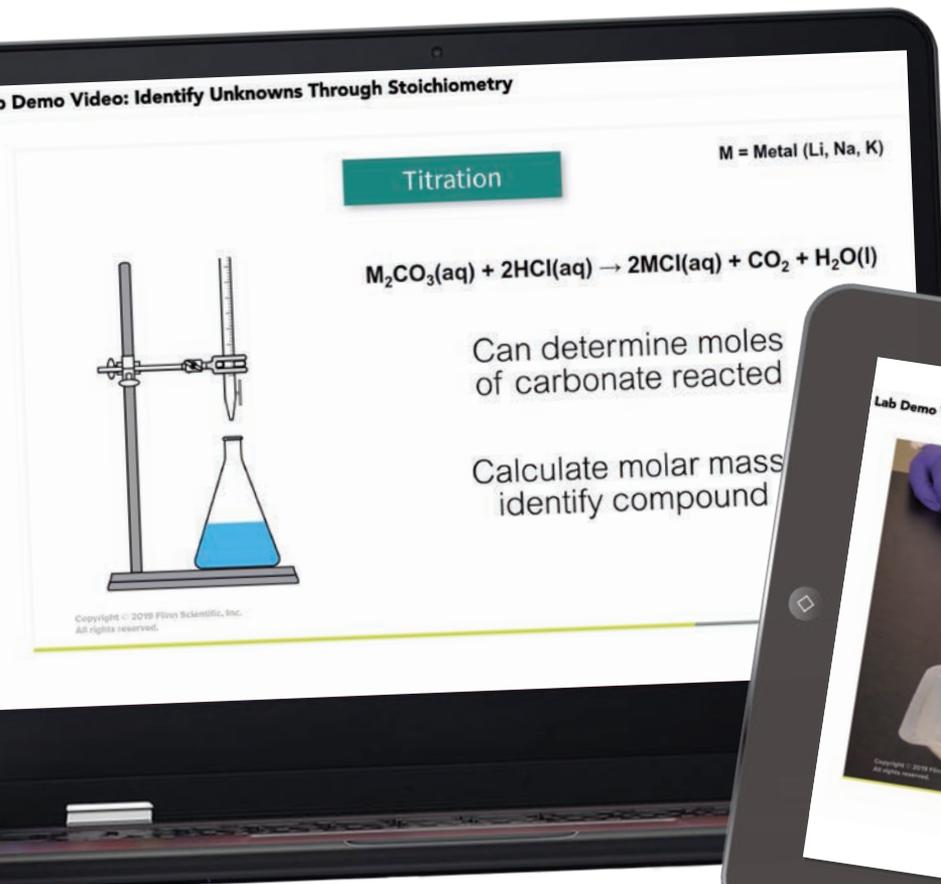
EXCLUSIVE PARTNERSHIP

**FLINN**  
**SCIENTIFIC**

4

VERSIONS OF EVERY LAB

- Open-Ended
- Guided
- Shortened
- Advanced





## Engineering Design Challenges

Students design, test, and evaluate solutions. Focusing on defining and solving problems strengthens science and engineering skills.



## Performance Assessments

Students demonstrate standards mastery by applying their understanding to a new situation in a Performance-Based Assessment at the end of every Investigation.



## Lab Videos

Short, digestible videos enrich the lab experience. Engaging **Overview Videos** introduce the lab to students while **Summary Videos** connect lab concepts to phenomena.



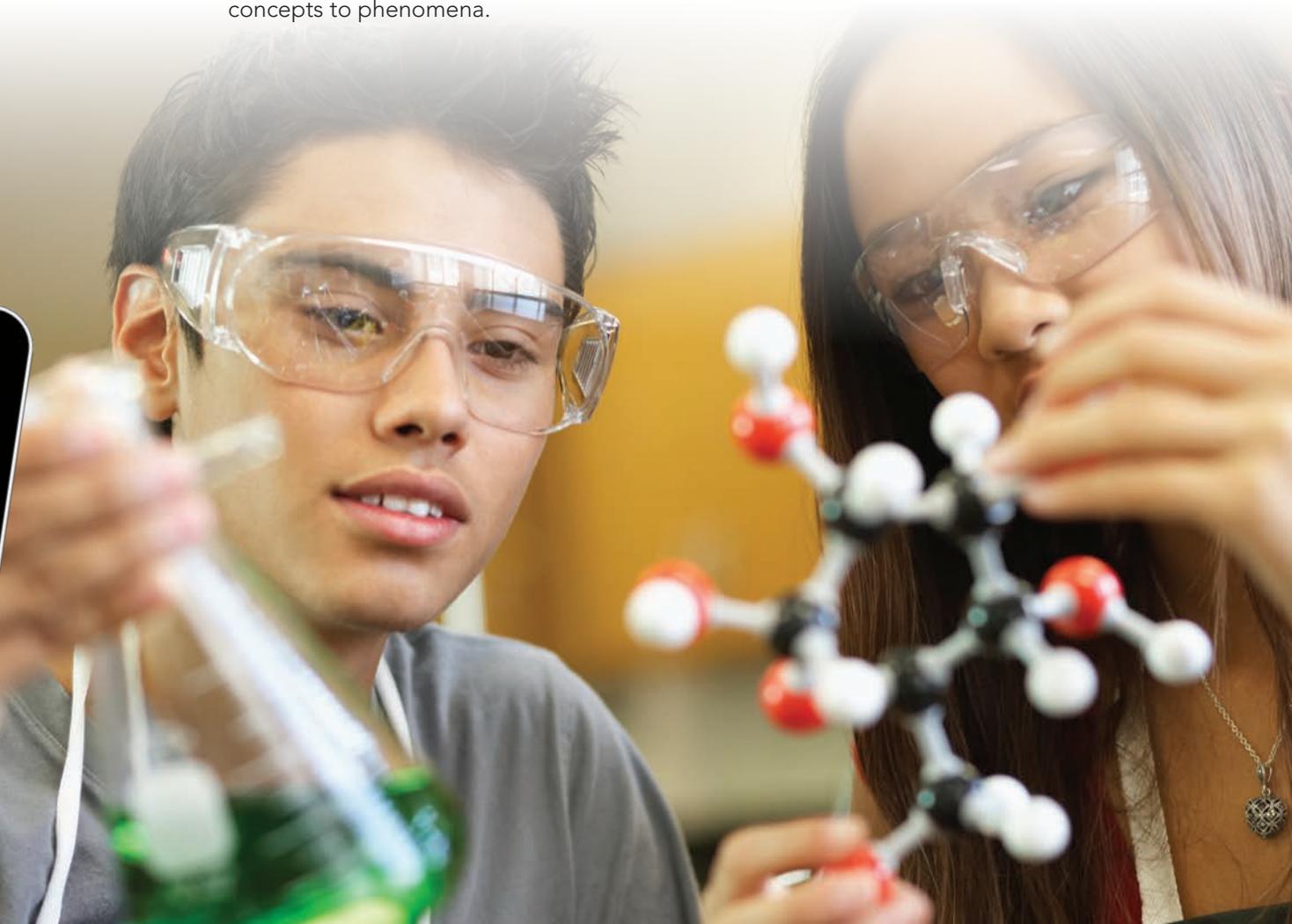
## Lab Kits

Simplify set-up with time-saving kits from **Flinn Scientific**. Foster greater inquiry learning by having readily accessible lab materials.



## Virtual Reality

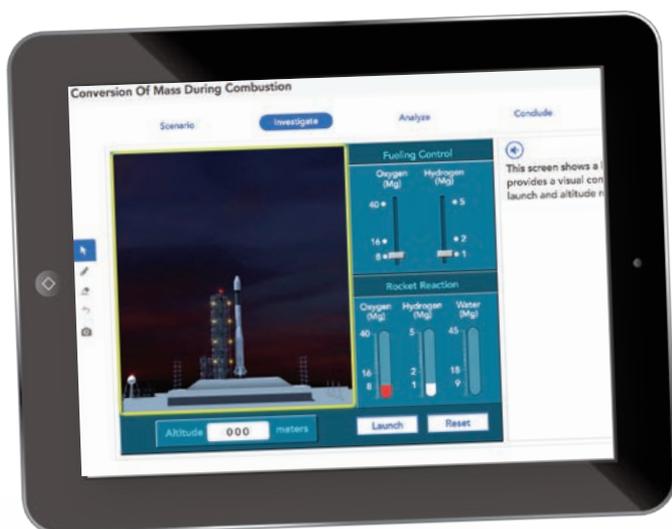
The 360° lab simulations bring chemistry to life. Students can use the latest lab equipment and experiment with different chemicals in a safe, no-risk environment.



# Experiences

create REAL learning opportunities.

It's authentic...it's compelling...it's REAL science. Ongoing exposure to everyday phenomena allows students to see chemistry in their own lives and in the world around them. Students use the three dimensions as they form connections to the Phenomena. This is real science for real learning.

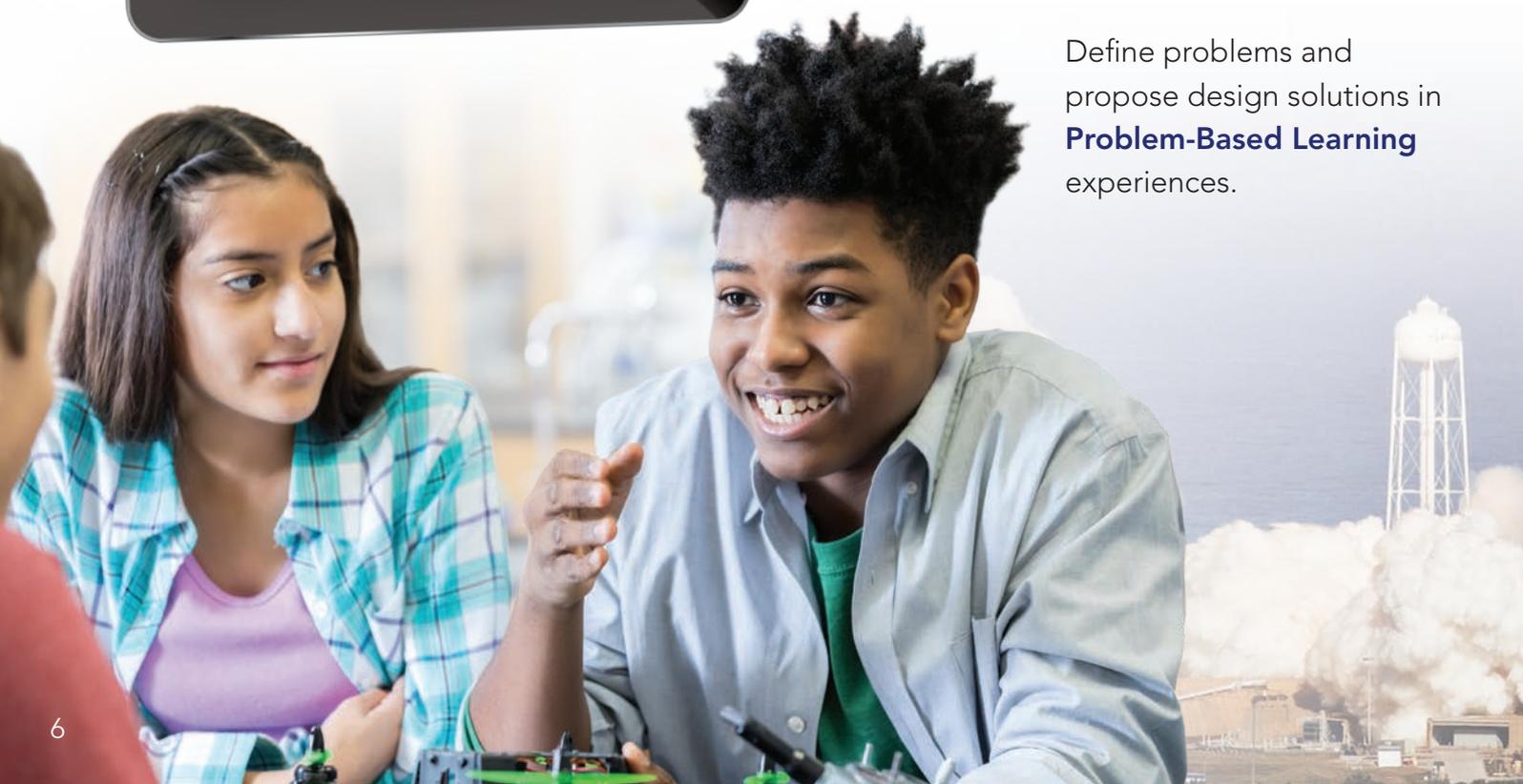


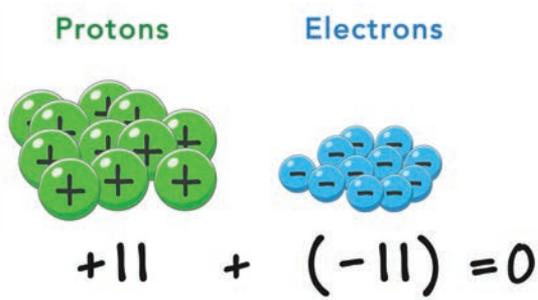
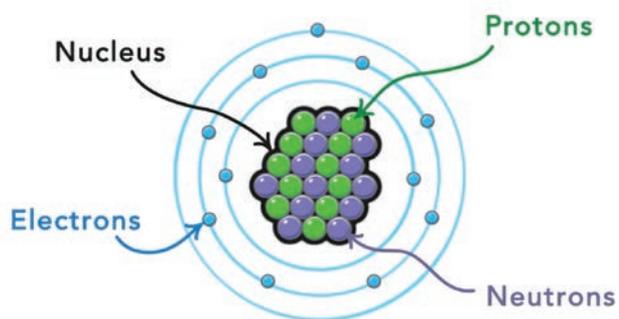
◀ Give all students access to phenomena in compelling **Virtual Labs**.

Write, defend, and revisit arguments during **Claim-Evidence-Reasoning (CER)** exercises.

Simulate real-world tasks to solve problems and answer questions with **Digital Interactivities**.

Define problems and propose design solutions in **Problem-Based Learning** experiences.





- ▲ Improve visual and media literacy while watching **Animations** that explain complex topics.

Build science literacy skills with **Authentic Readings** and **Writing About Science** activities.

Promote collaboration and improve understanding with **Peer Review and Discussion**.

**PhET Simulations** engage students in an intuitive, game-like environment.

## 3-D Assessment Tasks

### Complete Assessment Suite

- **Performance-Based Assessments** measure students' mastery of the science and engineering practices.
- "Assess on the Spot" prompts in the Teacher Guide provide quick **Formative Assessment** opportunities.
- For **Summative Assessments**, assign customizable interactive online quizzes and 3-D assessments.
- **Benchmark 3-D Assessments** work well for midterm and final exams.
- Students **revisit the Anchoring and Investigative Phenomena** multiple times as they make sense of the topic.

## Math Practice

### Applicable, Real-World Math Skills

- **Sample Problems** give students stepped-out support to build math skills for chemistry.
- **Virtual Nerd Tutorial Videos** offer approachable mathematics explanations delivered by on-screen instructors.
- **Math Problem Banks** on the Savvas Realize™ digital platform let you assign more math practice as needed.
- **Analyze Data Activities** compare and analyze data from real experiments.

# A phenomenal teaching experience

*Experience Chemistry* offers a simple framework for teaching in a modern chemistry classroom.

- A **5E teaching sequence** with planners, assessments, and differentiation reduces prep time, so you can focus on providing great learning experiences for your students.
- An **innovative Teacher Guide** includes the resources you desire to facilitate an authentic and exciting instructional experience.
- Personalize your course with additional activities or embed your own. Options to customize allow for an experience as unique as your classroom.



**SAVVAS**  
**realize**™

## Experience It for Yourself.

Request samples and demos at:

[Savvas.com/ExperienceChemistry](https://Savvas.com/ExperienceChemistry)



	of solids, liquids, and molecular compounds. They investigate bonding and water in aqueous systems.
<b>INVESTIGATIVE PHENOMENON</b>	How do we design materials with specific function?
<b>CONNECTION TO THE ANCHORING PHENOMENON</b>	Students identify properties of different states of matter and use this to better design materials and foods.
<b>EXPERIENCES*</b>	<ol style="list-style-type: none"><li>1 States of Matter (XX min), pp. 200–212</li><li>2 Modeling Phase Changes (XX min), pp. 213–223</li><li>3 Comparing Ionic and Molecular Compounds (XX min), pp. 224–228</li><li>4 Comparing Metals and Nonmetals (XX min), pp. 229–235</li><li>5 Water and Aqueous Systems (XX min), pp. 236–248</li><li>6 Properties of Solutions (XX min), pp. 249–255</li></ol>
<b>INVESTIGATION EVALUATION</b>	<ul style="list-style-type: none"><li>📄 Performance-Based Assessment</li><li>📄 3-D Assessment: Physical Properties of Matter, Experience Notebook Performance Assessment, p. 259; Appendix A, p. XX</li></ul>

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