

### Flinn's New AP® Chemistry Kits: Built to Standards. Designed for Success

As an AP Chemistry instructor, you know that preparing students for the exam means more than just covering content—it's about building lab skills, scientific reasoning, and possibly most important, confidence. Flinn Scientific is proud to launch a new line of AP Chemistry kits specifically designed to support the 2024 Course and Exam Description (CED) and help you meet the required 25% hands-on lab component with ease.

These new kits aren't just aligned to standards—they're engineered for real classrooms, real students, and real results.

#### Why Flinn's Kits?

Flinn is the only provider of AP Chemistry lab kits that are fully aligned to both content topics and practical science skills as outlined in the 2024 CED. Each lab is built to support exam-tested skills such as error analysis, model interpretation, and evidence-based justification—giving students the tools they need to succeed on test day.

New updates now make these kits even more powerful:

- **Exam-style questions** directly connected to lab activities help students prepare through practice.
- **Procedures emphasize problem-solving**, graphical analysis, and justification of observations with results.
- **Simplified, student-friendly instructions** help all learners feel more confident and less overwhelmed during lab periods—improving classroom engagement and morale.

Better yet, each kit includes printable, digital, and Google Doc formats so you can teach your way—whether you're in a traditional in-person, hybrid, or fully remote learning environment.

#### Skill-Based Learning That Supports the AP Exam

Flinn's kits cover essential AP Chemistry units with targeted, skill-building labs such as:

- **Bonding & Properties (Unit 2):** In Qualitative Analysis and Chemical Bonding (AP7664), students explore how bond type influences macroscopic properties like conductivity and melting point.
- **Mixtures & Solutions (Unit 3):** Separating a Synthetic Pain Relief Mixture (AP7662) strengthens students' ability to analyze solubility, intermolecular forces, and experimental error—skills that mirror real AP exam questions.
- **Chemical Reactions (Unit 4):** Labs like Analysis of Hydrogen Peroxide (AP7647) and Acidity of Beverages (AP7645) reinforce net ionic equations, titrations, and stoichiometry through engaging, practical experiments.
- **Kinetics (Unit 5):** From Crystal Violet Fading (AP7644) to Calcium Carbonate Decomposition (AP7648), these labs guide students through reaction rates and concentration analysis.
- **Acids & Bases (Unit 8):** Activities like Properties of Buffers (AP7663) and Titrations (AP7656) make buffer chemistry and the Henderson-Hasselbalch equation accessible and relevant.
- **Thermodynamics & Electrochemistry (Unit 9):** Build Your Own Hand-Held Battery (AP8496), Thermodynamics—Hess's Law (AP8832), and Galvanic vs. Electrolytic Cells (AP9092) teach real-world applications of Gibbs free energy and redox reactions.

#### Prepare with Purpose

We know teachers want to help their students feel like winners. That's why we've built kits that are not just aligned—they're empowering.

Flinn's AP Chemistry kits eliminate prep work with pre-made solutions and pre-sourced materials. They emphasize safety, with clearly defined safety notes and disposal instructions in every procedure. And they're cost-effective: purchasing the required chemicals separately would cost 42% more than buying the kit.

Whether you're trying to meet the College Board's lab requirement or provide a deeper, hands-on experience in less time, these kits offer the most efficient and effective path forward.

**For more information about Flinn Scientific and its products, please visit [www.flinnsci.com](http://www.flinnsci.com).**

#### About Flinn Scientific

For more than four decades, Flinn Scientific has been a trusted partner of STEM, STEAM and science education professionals, and the best source for quality laboratory supplies, instructional tools and resources, and essential safety instruction. Flinn Scientific also provides award-winning digital solutions and professional development opportunities that empower teachers to engage and inspire the next generation of scientists. Flinn Scientific is committed to supporting teachers as they help students develop the content knowledge, critical thinking, and inquiry skills they will need to succeed in advanced education and careers of the 21st century. To learn more visit [Flinnsci.com](http://Flinnsci.com).