

Reserve Kits Today!

To enrich your classroom with one of our experiments, please visit our main webpage at chess.cornell.edu/public/lending-library to fill out a kit request form! Experiments are categorized by various grade levels so you can find the best fit for your student age group.

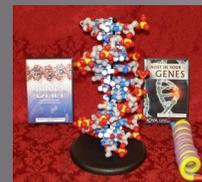
Scan the QR code below with your smartphone camera to go directly to the webpage:



LENDING LIBRARY

Scientific Experiment Loan Program

Free hands-on equipment kits for student learning from the Cornell High Energy Synchrotron Source



Tailored to New York State Science Learning Standards

Materials, lesson plans, and teacher training

Easy online reservation system



About the Lending Library

Welcome to the CHEXS Lending Library – empowering teachers and engaging students in high quality labs!

We take immense pride in supporting educators and inspiring young minds through hands-on learning experiences.

Teachers who have participated in our summer institutes or workshops can borrow these kits FREE of charge! Teachers can pick up the kits in our Ithaca office or have them shipped to and from their school.

Empowering Educators:

Understanding the significance of proper training, we provided virtual training sessions to equip teachers with the necessary knowledge and pedagogical techniques. This allowed us to welcome new teachers from diverse locations, expanding our outreach to Maryland, Long Island, and Massachusetts, among others. The virtual training also empowered our long-time users to introduce their colleagues to our program, amplifying the impact of our resources.

Collaborating with Graduate Students:

In a meaningful collaboration with Cornell University's Graduate Student School Outreach Program (GRASSHOPR), we engaged with five graduate students to design and implement lessons using our extensive range of kits and equipment. The partnership not only enriched the learning experiences of the students involved but also reinforced our commitment to advancing education.

Praise from Educators:

Teachers consistently acknowledged the value we bring to their classrooms, emphasizing the positive impact on students' academic performance and engagement. Their feedback motivates us to continually strive for excellence in our services.

Experiment Highlights



The Mystery of the Hominid Skulls

This set of nine skulls includes fossil re-creations of nearly every historical link from the hominid evolutionary tree.

DNA Electrophoresis

Students perform DNA electrophoresis and examine gels for a mother, baby and possible fathers to determine correct paternity.



Fingerprinting

This kit includes everything you need to teach about fingerprints, with lab materials the same as those used in law enforcement for fingerprinting work.

Mollusk Dichotomous Key

Sets of 18 beautiful marine mollusk shells introduce students to the concept of a dichotomous key, then teach them to make their own.



Case of the Missing Diamond Maker

Students will use fingerprinting, chromatography, and chemistry to gather and analyze evidence left behind at a crime scene and determine the criminal's identity.

Atomic Force Microscopy

Each team will use a simulated topographic scanner with a platform-mounted LASER probe to discern the structure of an unknown block of Legos® built by another team.

For a complete list of experiments please visit our website! QR Code on back page:

