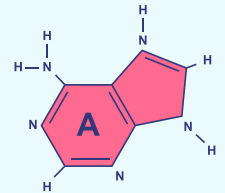
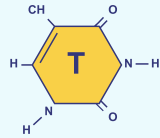
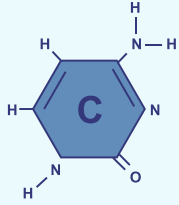
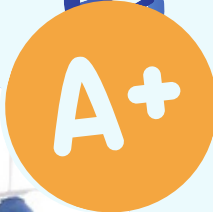
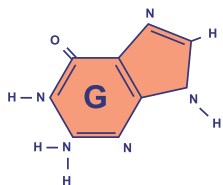


GRANT GUIDE



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The Amino Labs Grant Guide is designed for educators but welcomes anyone interested in applying for grants. It offers essential tips for crafting successful applications, a list of grants available to educators, and recommendations on how to incorporate Amino Labs products into classroom environments to achieve your grant goals.

The grants featured in this guide have been chosen for their relevance to STEM, Biotechnology, Biology, or Sustainability education/goals. These grants offer a valuable resource to help you bring your ideas to life and make a meaningful impact. Remember, each grant may have its own requirements and guidelines, so be sure to carefully review the details and tailor your application to showcase how your project aligns with the specific objectives of the grant. You'll find our information at the end of the guide if you need support. Good luck on your grant application journey!

What are grants? Grants are financial aid offered by government agencies, foundations, corporations, or non-profit organizations to support projects, programs, or initiatives that align with the goals and values of the funding entity. These funds can be awarded to individuals, charities, non-profits, or educational institutions. Grants typically have specific eligibility criteria and entail a competitive application process. This guide provides grant information in the US, Canada, and may apply to other countries. We compiled information regarding eligibility requirements, timelines, general objectives of each grant, and links.



TIPS FOR SUCCESSFUL APPLICATIONS

1 Spend Time Researching

Researching grants can be a tedious process, but identifying funding opportunities that align with your specific needs and goals is essential to improving success. Research should be focused on identifying grants that are specific to your subject area, grade level, or particular educational goals. Be sure to explore both local and national funding sources, including government resources. **A great first step? This guide! We've started the research for you.**

2 Understand the Eligibility Criteria Carefully.

Before you begin writing a proposal, it is essential that you carefully review the guidelines and eligibility criteria of each grant you plan to apply for. Ensure that your goals and interests align with the grant's focus and objectives, and pay attention to any specific documentation or materials you need to submit.

3 Craft a Strong Proposal

Drafting a grant proposal is often the most time-consuming step in the application process, but crafting a well-written and persuasive proposal is critical to success. Ensure your proposal highlights how your project aligns with the grant's priorities and addresses any identified needs or challenges. Your proposal should also outline your project's goals, methods, and expected outcomes while adhering to the grant application guidelines.

4

Budget Wisely

Many grant proposals require a detailed and realistic budget outline. Ensure that you clearly describe how funds will be allocated and provide a brief justification explaining why any expenses are necessary for the project. Remember, every grant application may have specific budget requirements or templates to follow. Always review the grant guidelines and use any provided budget forms or templates if available.

Has the application deadline passed? If the application deadline has already elapsed, the submission window for the upcoming year will likely follow a similar timeline. To stay ahead, you could prepare your application in advance for the next submission period!

5

Collaborate

Consider collaborating with colleagues, administrators, or local organizations to strengthen your grant application. Collaborative projects can have broader impact compared to individual applications. Collaborators can also provide additional resources that may not be available to an individual applicant. It is important to remember the grant guidelines when considering collaborations, as some grants may only be available to individuals.

6

Demonstrate Sustainability

Grant funders often want to see that the impact of their investment will continue beyond the grant period. Outline how you plan to sustain the project or program beyond the initial funding period, whether through institutional support, partnerships, or other resources.

7

Learn from Previous Successful Grant Applications

Several foundations and grant providers offer successful application samples. Even if you have extensive experience, it is best to review such examples to make sure you understand any specific requirements. If you are unable to locate a suitable sample, consider asking the foundation or grant provider if they can provide one.

8

Verify if you need school board approval

In some provinces, states and school districts, you are required to obtain approval from a school board before requesting grants over a certain dollar amount. Don't put yourself through the work of a grant application only to later learn it's disqualified because of this protocol or others like it.

9

Add some metrics or success stories

Given that many schools are competing for grants, it is important to distinguish your application. To help make an impact, consider adding statistics or success stories from your classroom to strengthen your argument.

Don't forget, grant applications can be highly competitive, so it's important to invest time and effort into creating a strong and compelling proposal.

EDUCATION GRANTS

If you aim to enhance classroom learning, integrate innovative educational technology, or advance professionally, there are resources ready to assist your objectives. Here are various grants that offer funding support for educators, schools, or non-profit organizations. Note that the availability of listed grants may change without prior notice.



National Science Foundation

The National Science Foundation provides a wide variety of funding opportunities, including grants for K-12 educators, undergraduate students, post-doctoral fellows, and graduate students. NSF also offers cooperative agreements and fellowships to support science education and research.

Eligibility and deadlines differ depending on grant/funding type.

Be sure to check out the NSF website during research process:

<https://new.nsf.gov/funding/opportunities>



Voya Unsung Heroes

The Voya Unsung Heroes grant is open to K-12 educators from the United States. Educators implementing innovative teaching methods and techniques are eligible to apply. Many successful applicants have outlined projects that incorporate new technologies that may be funded through the grant.

Eligibility:

- Only available in the US
- K-12 educators
- 501(c)(3) tax-exempt organizations (non-profits) are ineligible

Deadline:

The 2023 application deadline was May 12th. Applications are reviewed during the summer, and successful applicants will be notified by the fall. The exact deadline for 2024 applications is not yet announced.

Website: <https://www.voya.com/page/voya-unsung-heroesr>

Contacts: unsungheroes@scholarshipamerica.org, 1-507-931-1682

McCarthy Dressman Education Foundation Academic Enrichment Grant

The McCarthy Dressman Education Foundation supports schools or non-profit organizations that work with students from low-income households. The Academic Enrichment Grant is designed to fund educators with unique ideas for projects that supplement classroom curriculums for low-income households. Educators apply on behalf of their school and act as a representative.

Eligibility:

- Only available in the US
- Individuals applying must be employed at a pre-K12 school or a non-profit organization that has direct and regular contact with students in grades pre-k to 12
 - E.g. community centres, museums, etc.
- Work with students from low-income households
- Willing to work in collaboration with the Foundation

Deadline:

Applications are accepted from January 15th to April 15th. Applications will no longer be accepted once 200 submissions have been received.

Website: <https://mccartheydressman.org/academic-enrichment-grants/>

Contact: The Foundation may be contacted through [this form](#).



McCarthy Dressman Education Foundation- Teacher Development Grant

The McCarthy Dressman Education Foundation also supports teacher development, funding K-12 teachers employed in public or private schools. The foundation offers grants to teachers implementing unique, groundbreaking educational strategies that foster innovative classroom learning.

Eligibility:

- Only available in the US
- Applicants must be K-12 teachers employed in a public or private school
- May be an individual applicant or a group of teachers

Deadline:

Applications are accepted from January 15th to April 15th. Applications will no longer be accepted once 200 submissions have been received.

Website: <https://mccartheydressman.org/teacher-development-grants/>

Contact: The Foundation may be contacted through [this form](#).

Pitsco Education Grant

The Pitsco Education Grant supports preK-college educators by providing funding in the form of a \$350 value Pitsco voucher, which may be applied across multiple transactions. Educators may apply for a voucher every year; however, only 1 voucher may be awarded during a 12-month period.

Eligibility:

- Only available in the US
- PreK to College/Higher Education educators
- Includes educators in classrooms, out-of-school settings, and homeschools

Deadline:

Vouchers are awarded each month, and applications are accepted from the first day of each month to the last day of the month. Ex. July 1st - July 31st

Website: <https://resources.pitsco.com/pitsco-grant-app>

Contacts: pitscopd@pitsco.com, 800-828-5787



Dr. Scholl Foundation

The Dr. Scholl Foundation provides grants to charitable organizations whose interests align with the foundation's. Interest areas include, but are not limited to: Education, Social Service, Healthcare, Civic and Cultural, Environmental

Eligibility:

- Primarily available to US organizations*
- Public schools and municipalities are rarely considered
- 501(c)(3) tax-exempt organizations
- PreK to College/Higher Education educators
- Only one request from each organization every grant cycle

*Non-US grants may be awarded where the foundation directors have knowledge of the organization.

Deadline:

Applications open each year on October 1st, and must be submitted by March 1st the following year.

Website: <https://www.drschollfoundation.com/>

Contact: 847-559-7430

Lockheed Martin Grant

Lockheed Martin offers charitable donations to non-profit organizations and public elementary/secondary schools by inviting them to apply for grants. Lockheed Martin seeks to support STEM education, service members and their families, and community resilience.

Eligibility:

- **Applications are by invitation only**
 - An inquiry form may be completed [here](#)
- USA, Canada, Israel, Mexico non-profit organizations
- Public elementary and secondary schools
- Home-based child care/educational services are ineligible

Deadline:

Applications have a rolling deadline, but are only available to those who have received an invitation code from Lockheed Martin.

Website: <https://www.lockheedmartin.com/en-us/who-we-are/communities/applying-for-contributions.html>

Lockheed Martin may be contacted through an inquiry form.



Toshiba America Foundation- Grade 6-12 Grants

The Toshiba America Foundation offers grants to 6-12th grade teachers who have an innovative idea for improving STEM learning in their classroom. The foundation is committed to providing funding to help teachers make learning STEM subjects fun.

Eligibility:

- Only available in the US
- Grade 6-12 teachers only

Deadline: rolling

Website: <http://www.toshiba.com/taf/612.jsp>

Contact: 212 596-0620

Walmart Community Grant

The Walmart Community grants are awarded to U.S. organizations, charities, K-12 schools, post-secondary institutions, and more. Grants range from \$250 to \$5,000, and are funded directly by local Walmart and Sam's Club facilities. Walmart Community Grants support a wide range of organizations, including those focused on education, diversity & inclusion, and community and economic development.

Eligibility:

- Only available in the US
- 501(c)(3) tax-exempt organizations
- K-12 public or nonprofit private schools
- Community/junior colleges, state/private colleges, or universities

Deadline:

The 2024 grant cycle begins March 1, 2024. Applications have a rolling deadline and are reviewed quarterly.

Quarter 1: Feb 1 – April 15 | Quarter 2: May 1 – July 15 | Quarter 3: August 1 – October 15

Quarter 4: November 1 – December 31

Website: <https://walmart.org/how-we-give/local-community-grants>



Westinghouse Charitable Giving Program

The Westinghouse Charitable Giving Program provides funds to US-based organizations that align with the program's 3 interest areas: Education with a focus on STEM, Environmental Sustainability, Community Safety and Vitality

Eligibility:

- Only available in the US
- K-12 schools
- 501(c)(3) tax-exempt organizations
- Organization/school must be in an area within 50 miles of a Westinghouse site
 - Search for Westinghouse locations [here](#)

Deadline: Applications have a rolling deadline, and must be submitted as a PDF to WECgiving@westinghouse.com.

Website: <https://www.westinghousenuclear.com/about/community-and-education/charitable-giving-program>

Contact: Cathy.mann@westinghouse.com,

AIAA Foundation Classroom Grant Program

The AIAA Foundation offers \$250 and \$500 grants to support STEAM education in the classroom, with a focus on Aerospace. Grants may be applied towards purchasing STEM demonstration kits, STEM supplies, and other important classroom materials.

Eligibility:

- Only available in the US
- K-12 schools
- Applicant must create an account with AIAA

Deadline:

2024 Applications open around June. For reference, here are the 2023 dates:

21 June 2023: Submission Period Opens

30 September 2023: Submission Period Closes

December 2023: Applicants Notified of Status

Website: <https://www.aiaa.org/get-involved/students-educators/aiaa-foundation-classroom-grant-program>

Contact: K-12STEM@aiaa.org.



Reiman Foundation

The Reiman Foundation strives to support education, health care, the arts, and initiatives for children by offering grants to nonprofit organizations. Grants do not have a fixed price, and applicants must request the amount of funding they require to achieve their goals.

Eligibility

- Organizations must have tax-exempt status
- Available to Canada and the US
- K-12 only
- Applicants are encouraged to create a wish list documenting their specific needs and the dollar amount associated with those needs

Deadline:

Applications have a rolling deadline.

Website: <http://www.reimanfoundation.org/>

Contacts: reimanfoundation@hexagoninc.com, 262-696-4455

Verizon Foundation Grants

The Verizon Foundation offers grants for digital inclusion, climate protection, and human prosperity. The Foundation invites various non-profit organizations and schools to apply for funding.

Eligibility:

- Applications are by invitation only
 - Organizations may contact a local community relations manager to see if they are eligible
- Only available to the US
- Not-for-profit preK-12 schools
- Must be registered with the National Center for Education Statistics (NCES).

Deadline:

The Verizon Foundation will specify a deadline to organizations invited to apply.

Website: <https://www.verizon.com/about/responsibility/grant-requirements>

Verizon encourages interested organizations to contact their local community relations manager.



Perloff Family Foundation STEM4ME Grants

The Perloff Family Foundation provides grants to schools to support learning about renewable energy, ecology, robotics and sustainable food production. The foundation provides funds to schools to purchase equipment, supplies, and other classroom materials required to improve student learning in the specified interest areas.

Eligibility:

- Only available in the state of Maine
- K-12 public schools and academies

Deadline:

Applications have a rolling deadline.

Website: <https://www.perloffgrants.org/stem4me-grants>

Contact:

The Perloff Family Foundation may be contacted through [this form](#).

Martha Holden Jennings Foundation Grant

The Martha Holden Jennings Foundation provides funding to K-12 teachers and administrators in Ohio. The foundation's goals are to support projects that promote deep learning and excellent teaching. Successful projects should allow students to acquire new skills in a way that changes thinking or behaviors.

Eligibility:

- Only available in the state of Ohio
- PreK-12 public schools
- 501(c)(3) tax-exempt organizations that assist preK-12 public schools

Deadline:

The foundation reviews projects for funding 6 times a year. Application deadlines are December 15th, February 15th, April 15th, June 15th, August 15th, and October 15th.

Website: <https://www.mhjf.org/grantprograms>

Contact: k.kooyman@mhjf.org, (216) 589-5700



Webb Family Foundation

The Webb Family Foundation promotes education, health, and sustainability. The Foundation offers funds to middle- and high-school age students in the San Francisco Bay Area and Florida. Education grants are designed to support youth development, youth mentorship, career or workforce development, makerspaces, STEM/STEAM, financial literacy, and digital/blended learning.

Eligibility:

- The Foundation considers organizations based in the following order of priority: Bay Area, California, Florida, New York, entire United States.
- Middle- and high-school age students

Deadline:

The 2024 deadline is not yet available. Check back in early 2024 to apply for grants.

Website: <https://webbfamilyfoundation.org/grant-process/learn/>

Contact: team@webbfamilyfoundation.org

Hearst Foundations

The Hearst Foundations are committed to providing funding for non-profit organizations working in the fields of culture, education, health and social services. The Hearst Foundations prioritize students seeking higher education and educators focused on professional development, but K-12 educators are encouraged to apply. The Hearst Foundations prefer to fund science education programs with a focus on professional/career development.

Eligibility:

- Only available in the US
- K-12 and higher education institutions
- 501(c)(3) tax-exempt organizations

Deadline:

Applications have a rolling deadline, and must be completed within 3 months of initiating.

Website: <https://www.hearstfdn.org/about>

Contacts:

New York office: 212-649-3750, hearst.ny@hearstfdn.org

San Francisco office: 415-908-4500, hearst.sf@hearstfdn.org



General Motors Grant Program

General Motors strives to support youth who may not have robust STEM learning opportunities available to them. General Motors seeks to build a diverse pipeline in science, technology, engineering and math by offering grants. In addition to STEM education, the General Motors Grant Program promotes community development and vehicle/road safety.

Eligibility:

- Only available in the US
- 501(c)(3) tax-exempt organizations

Deadline:

General Motors accepts applications from January through September each year.

Website: <https://www.gm.com/commitments/communities#apply-for-funding>

Contact: <https://www.gm.com/company/contact-us>

Alternative Fuel Foundation Grant

The Alternative Fuel Foundation funds educational institutions to support programs promoting renewable energy, environmental sustainability, and earth stewardship. The Foundation funds non-profit public or private K-12 schools and universities that meet eligibility criteria.

Eligibility:

- Only available in the US
- Non-profit public or private K-12 schools
- Some universities
- Check eligibility criteria [here](#)

Deadline:

Applications have a rolling deadline that are reviewed quarterly.

Website: <https://www.alternativefuelfoundation.org/grants/>

Contacts: 617-902-0493, or fill out a contact form [here](#).



NEA Learning/Leadership Grants

The NEA Learning and Leadership grants are designed to provide teachers with resources to engage in meaningful professional development experiences. The grants are available to teachers who have little to no access to professional development opportunities due to limited district funding.

Eligibility:

- Only available in the U.S. to members of the National Education Association
- Public K-12 schools and Public institutions of higher education

Deadline:

Grants are awarded 3 times a year, with the next cycle being March to May 1st, 2024

Website:

<https://www.neafoundation.org/educator-grants-and-fellowships/learning-leadership-grants/>

Contacts: 202-822-7840, 202-822-7779

SRP Learning Grants for Schools, Teachers and Students

Learning grants allow schools, teachers and students to develop projects and programs geared toward state-mandated competencies. Up to \$5,000 is awarded per school. Funds can be used to support innovative teaching strategies that improve student performance in math and science. Funds can be used to support innovative teaching strategies that improve student performance objectives in science.

Eligibility:

- K-12 and Higher Education
- Only available to those in Phoenix metropolitan area, Pinal County, Gila County, Yavapai County, Page, St. Johns and NGS community chapters are eligible.
- Grant applications must be completed by a certified teacher.

Deadline:

Applications will be accepted Oct. 1, 2023 – Feb. 28, 2024.

Website: <https://www.srpnet.com/about/community-support/educator-support/scholarships-grants>



HEB Excellence in Education Awards

The awards will be awarded to outstanding public school professionals who go the extra mile every day to serve their students and communities. The Teacher Award is designed to recognize teachers and is based on the following criteria: Passion and commitment to the teaching profession, Innovation and creativity in the classroom, Professional growth and development. Principal, School Board, School District and School Counselor awards are also available.

Eligibility:

- Only available in the U.S.
- K-12 schools and institutions of higher education

Deadline:

Nominations and Applications open in May for the 2025 year.

Website: <https://www.heb.com/static-page/excellence-in-education-awards>

Fund for Teachers

Teachers are most effective, and improve in their practice, when they are problem solvers and innovators, who take risks, learn, reflect, and collaborate. Teachers who pursue Fund for Teachers' transformational learning experiences catalyze these problem-solving experiences for themselves and their students, ultimately changing schools and communities. Fellowship proposals that prioritize teachers seeking solutions to their own, genuine problems of practice will be best aligned to our grant goals. In addition, proposals that have the potential to center students as changemakers for problems in their communities are highly encouraged to apply.

Eligibility:

- Only available in the Bay Area, California or Orlando Florida.
- K-12 schools and institutions of higher education
- A full-time preK-12th grade teacher who spends at least 50% of your time directly providing instruction to students;
- Applicants must have plans to return to a classroom or teaching environment the year following their fellowship and demonstrate the ability to incorporate what they learn into their teaching; and
- Have at least three years' experience as a preK-12th grade teacher at the end of the school year.

Deadline:

January 18, 2024 at 5:00PM Central

Website :

https://fft.fundforteachers.org/applications/guideline/program_id:206/step:overview



CONTESTS & FUNDING SITES

Shell Science Lab Challenge

The Shell Science Lab Challenge recognizes exemplary educators who implement innovative approaches to science education. The contest is open to science educators representing their K-12 school in targeted areas near Shell USA Inc. assets.

Eligibility:

- Must be located in one of the following regions:
 - Carson, CA (LAUSDs in Carson, Mormon Island, Van Nuys, Colton, Long Beach)
 - Port Allen, LA (West Baton Rouge Parish)
 - Geismar, LA (Ascension Parish, East Baton Rouge Parish, City of Zachary SD, City of Central SD, City of Baker SD)
 - Norco, LA (St. Charles Parish, St. John Parish)
 - New Orleans, LA (Jefferson Parish, Orleans Parish, Terrebonne Parish, LaFourche Parish, Iberville Parish, St. Tammany Parish, St. Bernard Parish)
 - Monaca, PA (Cen. Valley, Aliquippa, W.Beaver, Beaver, Rochester, N. Brighton, Riverside, Beaver Falls, Blackhawk)
 - Deer Park, TX (Deer Park ISD, Pasadena ISD, LaPorte ISD)
 - Houston, TX (Region 4 Education Service Center)
- Applicants must be an individual science educator
- Schools may submit several educators as representatives

Deadline: March 11, 2024

Website: <https://www.nsta.org/shell-science-lab-regional-challenge>

Contacts: shellsciencelab@nsta.org, 703-312-9217



DonorsChoose.org

DonorsChoose is a non-profit funding site that allows US educators to request funding for classroom materials. Teachers submit a project to the site with a list of requested items to be purchased by donors.

Eligibility:

- Only available to the US
- Individuals employed at a public PreK-12 school

Deadline:

Teachers select a deadline to receive requested classroom materials.

Website: <https://www.donorschoose.org/>

Samsung Solve for Tomorrow

Samsung Solve for Tomorrow is an academic contest that awards a single winner for each US state. Teachers with experience in STEM education compete for a chance to bring new technology to their school. In addition to state winners, Samsung Solve for Tomorrow also awards prizes to National Winners and National Finalists.

Eligibility:

- Only available to the US
- Public and charter school teachers
- Only schools that are at least 50% publicly funded are eligible to compete
- Only available to teachers who instruct grades 6–12

Deadline:

Application window Aug. 29 - Nov. 14th

Website: <https://www.samsung.com/us/solvefortomorrow/about/>

Contact: SolveForTomorrow@sea.samsung.com



INTEGRATING AMINO LABS PRODUCTS INTO YOUR CLASSROOM

STEM & STEAM Education

Looking to advance STEM/STEAM education in your classroom? Amino Labs offers a variety of experiment kits and educational resources to introduce students to biotechnology, art, genetic engineering, and more! See our [website](#) for the full list of kits

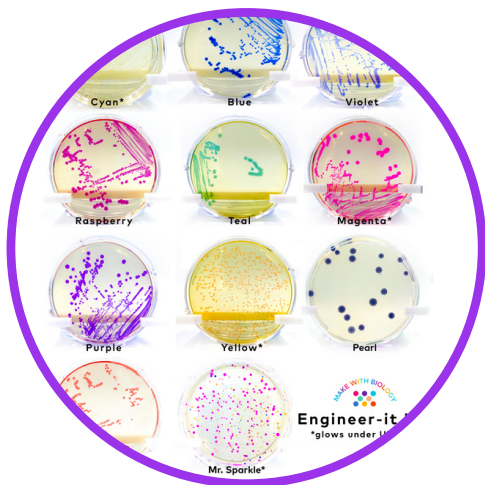


Canvas Kit to create living paintings on petri dishes using colorful bacteria or yeast

The **Canvas Kit** integrates biology and genetic engineering with visual art. Students select, amplify, and grow colorful bacteria to create beautiful pieces of living art on petri dishes—or agar art. The Canvas Kit is a great introduction to the principles of microbiology, cells, genetics, bacteria life cycles, and selective cultures, while engaging students in hands-on art.

DNA Extraction Kit to see real DNA

With the **DNA extraction Kit**, the genomic DNA from cells of a strawberry, banana, or other soft fruit can be extracted. The experiment allows students to visualize DNA, deepening their understanding of its structure and function. The experiment is also a fantastic way to introduce the concepts of genetics and heritability using common food items.



Engineer-it Kit: colorful bacterial transformation

The **Engineer-it Kit** allows students to grow and engineer bacteria to produce a colorful bio-pigment. The kit instructs students how to streak and culture cells, make cells chemically competent, and transform bacteria using a pigment-producing DNA plasmid. The Engineer-it Kit is a great way to introduce biology topics such as genetic engineering, bacterial transformation, and recombinant DNA. Choose from 10 colors of DNA!

ENVIRONMENTAL EDUCATION & SUSTAINABILITY

Amino Labs is committed to promoting environmental education and sustainability to help students develop a sense of responsibility and stewardship towards the natural world. Our experiments are designed to demonstrate the importance of sustainable practices and how biotechnology can help the environment.

Bioplastics Kit Series

Explore a more sustainable approach to crafting with the **Bioplastics Kits**. These hands-on kits offer an educational and eco-friendly solution to lessen plastic waste and combat climate change. Students delve into the science of bioplastics, creating their own while understanding its role in the waste cycle. From crafting bioplastic bags to repurposing food waste, creating strings and sequins, to mastering molding, melting, and dyeing techniques, these experiments cover a wide range of hands-on activities.



Extract-it Kit: extract proteins from cells

The **Extract-it Kit** is a multi-disciplinary experiment that integrates science and art. With this kit, students will extract proteins from genetically engineered cells and examine their properties. The Extract-it Kit is an interactive experiment, allowing students to engage their senses as they explore enzymes and colorful pigments. This experiment is designed to introduce students to concepts of sustainable bio-products and genetic engineering.

BioPrint-it Kit: print on fabric with bacterial inks

The **BioPrint-it Kit** demonstrates how biotechnology can be utilized to naturally dye textiles and create paint. Students produce paint and patterns on Petri dishes using colored engineered bacteria, and transfer their designs directly onto paper or a textile. The designs are stabilized and fixed with the medium provided to lock in the colorful creation.



TECHNOLOGY & EQUIPMENT

Create your own biotech laboratory in your classroom with Amino Labs' technology and equipment. Our products are designed to provide individuals with the tools they need to complete any Amino Labs experiment without a permanent lab space or costly professional equipment. Check out some of our best-selling technology and equipment below.

DNA Playground: all-in one miniature lab

The **DNA Playground** can be used at home or in schools as a personal and engaging alternative to traditionally large, expensive, and complex lab equipment. The DNA Playground is a new kind of lab equipment that is specifically designed for those just learning about biotechnology, molecular biology, and genetic engineering. The 3-in-1 nature of the DNA Playground reduces equipment costs, set-up time, and clean-up time. Moreover, these units take only seconds to turn off, unplug, and store away in a cupboard for next time, eliminating the need for a dedicated lab set up.



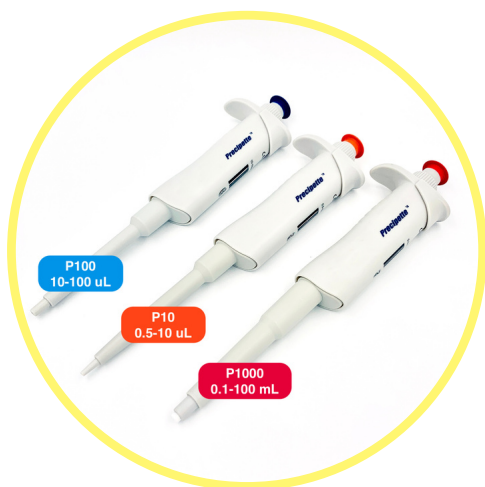
Classroom Incubator

Inspire budding scientists with our tabletop **Classroom Incubator**. The incubator is perfect for classrooms, groups, and large-scale science fair projects. This equipment is capable of incubating the experiment plates of an entire class at once, and is a perfect complement to our Canvas kit and compatible with all of our biology experiment kits.



Micropipettes and tips

While pipettes are not necessary for any of the biology experiment kits from Amino Labs, precise and consistent pipetting is essential for DNA manipulation. In a lab, accurate pipetting of small liquid volumes, sometimes less than 1 millionth of a litre, is crucial. Introduce your students to the skill with these three user-friendly pipettes. Each micropipette features an adjustable volume selector, enabling you to pipette various volumes ranging from 0.50 uL to 1 mL. Don't forget to check out our beginner-friendly Pipette Introduction materials once you receive your set.





Affordable Centrifuge

Looking for a small, powerful centrifuge for your home or classroom? Our microcentrifuges are perfect for your needs when using 0.25 mL, 0.5 mL, 1.5 mL, and 2.0 mL tubes at up to 16,000 RPM. Easy to use, efficient, and reliable, you'll have your samples spinning in no time. If you're looking to complete more advanced projects like the Extract-it Kit, or Blue-it Kit, then this is a must! This centrifuge is suitable for classrooms or home science and compatible with all Amino Labs experiment kits. 1 centrifuge per class is sufficient

Guide book for educators and students alike!

This beginner's guide to genetic engineering offers real-world STEM activities and fundamental concepts, catering to various learning styles. It includes hands-on exercises and in-depth explanations, linked to practical applications. The book utilizes Amino Labs' biotechnology experiments, requiring no prior knowledge. It features over 130 colour illustrations, analogies, and recommended resources for interactive learning. Suitable for beginners of all ages, the guide can be used as a class textbook or as an educator's guide.



Zero to Genetic Engineering Hero Classroom Starter Kit

The **Zero to Genetic Engineering Hero Classroom Starter Kit** includes everything a teacher needs to explore topics in biology such as DNA, evolution, genes, genomes, cell structure, macromolecules, organic elements, bonding, how cells operate, transcription, and more! This kit pack includes books, equipment, safety supplies and materials for a teacher with no prior lab experience to set up a lab space, practice the exercises, view the book content, and teach biotech content to students..

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