

# THE STEAM ENGINE

EXPANDING ACCESS TO OPPORTUNITIES IN STEAM



HYPOTHEkids



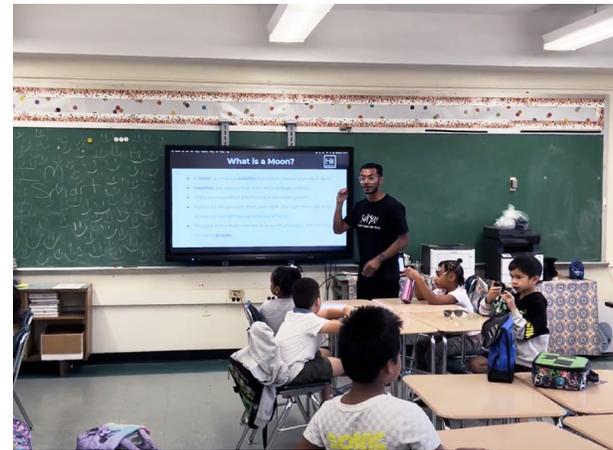
## Innovation at Columbia's Healthcare Hackathon

HYPOTHEkids was proud to sponsor the Best Project for Underserved Demographics award at Columbia's Healthcare Hackathon, hosted by the Biomedical Engineering Society (BMES). The winning project, REVIVE, is a device designed to make at-home workouts more accessible and affordable. Events like this highlight the power of innovation in healthcare, and we're excited to see how these ideas continue to evolve.



## Training the Next Generation of Science Educators

This February, we launched the HYPOTHEkids Science Educator Training Program (STEAM EDU) at Mott Hall High School, in partnership with ExpandedED Schools. The program teaches students how to be effective educators and gives them the chance to earn academic credit. Participants also qualify for paid summer internships, where they'll teach our hands-on STEAM activities to younger students in public summer camps. By investing in young educators, we're helping build a strong foundation for the next generation of STEAM leaders.



## Exploring Science Through Art

Our NY Bioforce students had an unforgettable hands-on experience with Sarai from Genspace! They dove into the fascinating world of microbial painting, using fluorescent proteins to create agar art with a living palette of bioluminescent E. coli. This workshop not only showcased the beauty of science but also reinforced essential lab techniques like aseptic handling. A huge thank you to Genspace for making this experience possible!

[Learn more about Genspace](#)

# Affordable STEAM Lessons for K-8 Students

Looking for fun, hands-on STEAM lessons for your afterschool or summer program? Our HYPOTHEkits make it easy to engage K-8 students with educational, interactive activities. Each kit comes with clear facilitator guides, ready-to-use activity supplies, and engaging student-facing slideshows. No prior STEAM experience is needed for your staff to lead these lessons!

We also provide virtual training and ongoing support to ensure your team has everything they need to succeed. With up to 16 lessons per unit and a variety of thematic units available, we're here to help make



[Learn more about HYPOTHEkits](#)

## Alumni Spotlights



A huge congratulations to Joyee, a 2024 NY Bioforce alum, on her acceptance to Princeton University! During her internship at Columbia University's Morphogenesis and Developmental Biomechanics Lab, Joyee made a lasting impact with her contributions to the lab's research. Her mentor, Jenny Gao, praised her resilience, independence, and dedication to excellence. As a first-generation college student, Joyee and her achievements are truly inspiring!

And a huge shoutout to Angelica, a 2024 NY Bioforce and 2023 Hk Maker Lab graduate, for her incredible support in preparing materials for our "Our Universe and Beyond" afterschool program in Harlem. Her commitment to STEM education continues to make a difference—thank you, Angelica!



**Give the gift of a brighter future. Donate or volunteer today!**