We are reaching out to encourage you to apply to **Sound+Science**, an innovative after-school program for high school students passionate about the intersection of music, science and technology. Sound+Science is a mentor-driven program for high school students in New York City. We use music as an entry point into science, technology, engineering and mathematics (STEM), enabling you to engage in hands-on, project-based learning that connects music, culture and science. Guided by PhD students, college mentors and industry experts, you will discover how physics, mathematics and technology come alive through sound.

Students work in a collaborative studio environment where you can create music projects using digital recording software and learn to write your own sound and music software. You are guided in translating scientific ideas like frequency, harmony, rhythm, and patterns into musical information through programming and experimentation. This process allows you to experience physics and math not as abstract equations, but as living tools for creative expression.
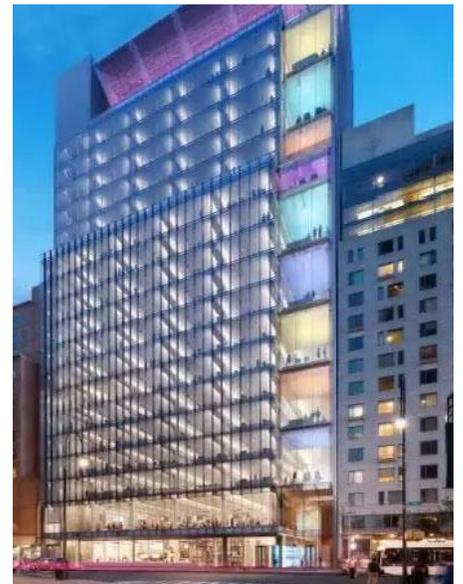
We meet every Tuesday and Thursday from 5 pm to 7 pm at our lab and studio in Civic Hall, 124 E 14th St, NYC, near Union Square. The program begins on October 7th and runs for eight weeks. Throughout the program, you will learn the science of sound, Logic Pro recording software, and how to program in Python, among other exciting topics. In parallel, you will design and create your own solo or group music- and science-related projects, such as coded musical pieces, data-driven sound compositions, collaborative performances or whatever interests you related to music and science.

Sound+Science is organized around three thematic modules: *The Hidden Codes in Electronic Music*, *Music Improvisation and the Mathematics of Computation*, and *From Hip-Hop to AI*. Each module blends hands-on practice with conceptual exploration, ensuring that you develop both technical skills and creative confidence. Throughout the program, you will be mentored by PhD students and local college STEM majors who help connect concepts to practice. You will also participate in master classes where musicians, producers, technologists and scientists share how their work at the intersection of music and STEM shapes entire industries.

The program builds toward a showcase in which you present your projects, allowing you to share your work with peers, mentors and invited guests and gain recognition for your creativity and achievement. At the end of the program, you will receive a Certificate of Accomplishment which you can use in college and career applications. You may also request a recommendation letter from Dr. Alexander.

Sound+Science empowers urban high school students in New York City who face barriers to entering STEM fields. By grounding science in music and culture, the program will motivate and engage you while fostering real technical skills. Through the combination of creating music, recording, coding and close mentorship, Sound+Science offers you a new way to imagine your future and prepare you to pursue opportunities in STEM with confidence.

Applications are open now at **soundplusscience.com/student-application**. We sincerely hope you will take the opportunity to apply and and join our unique creative space.

Warm regards,
Stephon Alexander, Sound+Science President & Founder
Eric Singer, Sound+Science Operations Director