



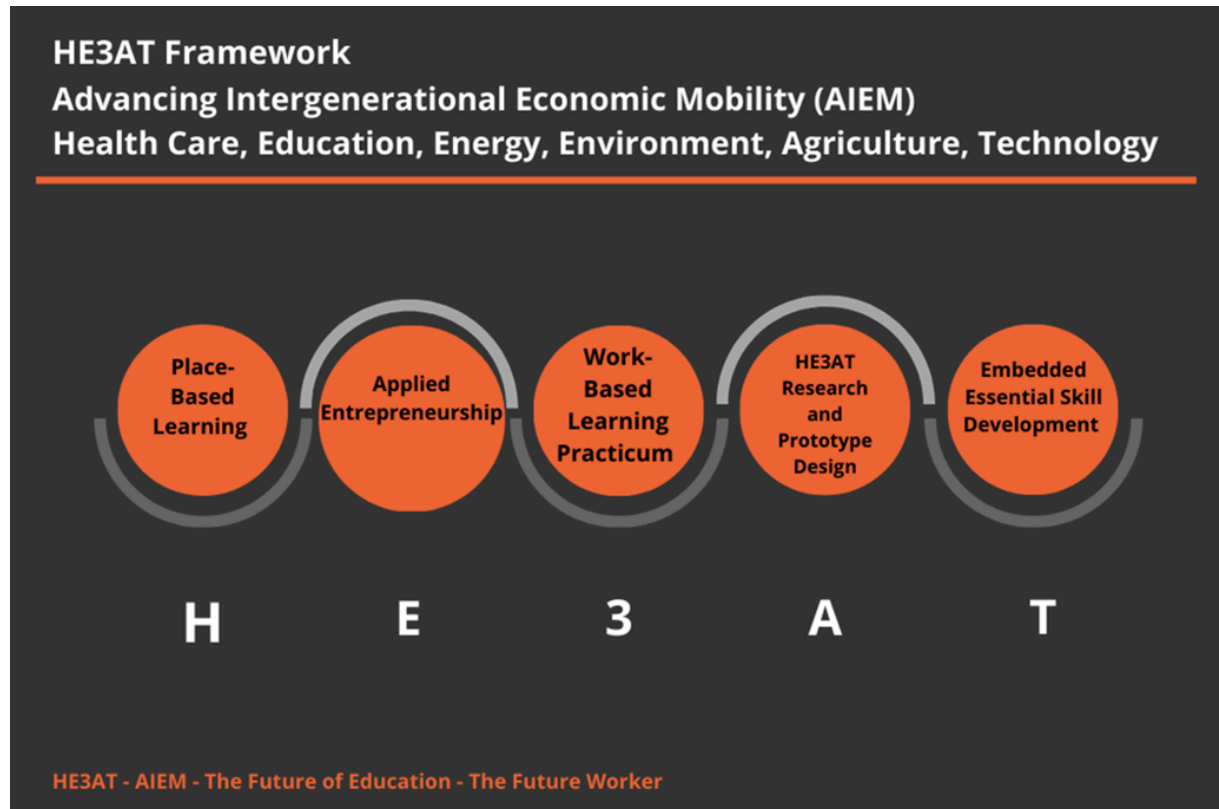
Healthcare Energy Education Environment Agriculture Technology

Advancing Intergenerational Economic Mobility & Participation

HE³AT Instructional Program: Grades 6-12

HE³AT is an exciting, experiential, instructional, post-secondary preparation program designed to provide students with an opportunity to become not only consumers of information but ultimately creators of knowledge empowered with the higher order thinking and production skills needed to pursue their interests and passions. As HE³AT continues to evolve, it stays true to its core mission of offering students the opportunity to increase intergenerational economic mobility and participation through a six-year course of study including sustained place-based learning and work-based experiences. Leveraging corporate social responsibility, sustained partnerships with industry leaders provide students with authentic learning that braids academics with in-demand professional skills. Commencing in 6th grade, HE³AT students explore the role of technology within the fields of healthcare, energy, education, environment, and agriculture. Under the guidance of industry professionals and NYCDOE teachers, students engage with principles of design thinking and applied entrepreneurship in tackling problems that lack rules-based solutions with a lens of equity, empathy and sustainability. Curriculum is intentionally designed to connect work- and place-based experiences with academic skills and standards to better prepare students for careers, occupations, and credentials of their interest. Students' experience culminates in extensive research and a prototype design along with an oral defense to a panel on their research process, method, and findings.

HE³AT Framework



The HE³AT Framework consists of five core components: Place-Based Learning, Applied Entrepreneurship, Work-Based Learning, Research and Prototype Design, and Essential Skill Development. **HE³AT's Place-Based Learning** experience occurs monthly for one or two days at the industry partner's site, where students, teachers, and industry experts engage in whole day learning experiences focused on one HE³AT area. **Applied Entrepreneurship** is woven into HE³AT as students learn necessary project management skills, financial literacy, economic thinking, and how to design real-world projects that are economically viable and sustainable. **HE³AT's Work-Based Learning** consists of a school-based practicum that changes the paradigm of schools from preparation for future work to preparation through work experiences by employing students to implement HE³AT-related improvement projects. **Research and Prototype Design** is the core focus of the 6-12 curriculum that connects academic principles directly to place- and work-based learning experiences. And **Essential Skill Development** is embedded throughout the HE³AT experience as students learn transferable skills to support their continued growth beyond high school.

Microsoft: <https://bit.ly/3p2torv>

DIIT: <https://vimeo.com/701235546/3471aac791>
DIIT Student Showcase: <https://bit.ly/3pbTE2o>