

STEM Mio

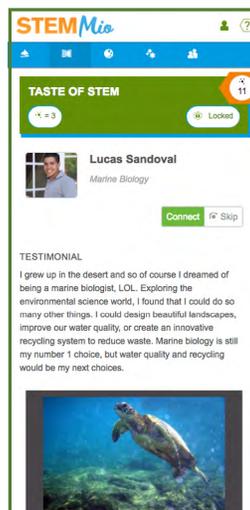
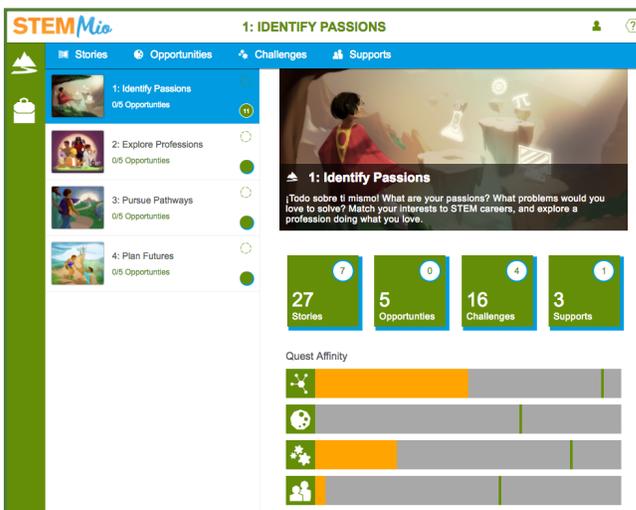
A digital platform for engaging Latino youth in STEM college and career pathways



STEM Mio aims to impact students, family and the community by engaging students in inquiry-based STEM learning, educating entire families on STEM careers and Latino role models, and preparing students for college pathways to STEM careers.

Latinos make up the youngest and fastest growing demographic in the US but remain underrepresented in STEM professions. While clearly capable, Latino students often lack familiarity with potential STEM careers, Latino STEM role models, and the college resources available to them.

To address this, the Center for Games & Impact (CGI) invites you and your community to join STEM Mio, a digital empowerment platform and community designed to support Latino students and their families in realizing STEM college and career pathways.



STEM Mio Platform

Powered by CGI's *My Lifelabs* platform, the STEM Mio program supports middle and high school Latino youth as they explore their personal passions, match those to STEM futures, connect with Latino STEM mentors, and gain the experiences to become strong college applicants. The STEM Mio journey is inspired through peer stories, supported through carefully designed learning challenges and peer championing, and culminates in real-world achievements.

The **STEM Mio Journeys** blend digital experiences (3D immersive games, career and personality inventories, online mentors, etc) with real-world experiences (doing hands on STEM activities, interviewing professionals, completing college and scholarship applications, etc). Notably, the game platform goes beyond STEM to help shape students through self-reflection, academic goal-setting, becoming a student mentor, and supporting strategic planning for college and careers.

STEM Mio is an innovative and targeted approach to STEM learning and college preparation, funded by the National Science Foundation, and created by Learning Scientists at CGI (Arizona State University), in an exciting collaboration with Vme Media (VME), E-Line Media, and the Hispanic Association of College & Universities (HACU).

Students

To support learning, students play STEM Mio in cohorts, either with their teacher/facilitator, or with other students online. Students can review each other's accomplishments, and Teachers and STEM professionals give feedback as mentors. Learning is managed through a Teacher Dashboard, which shows players' progress and accomplishments. The students, mentors, and teachers support each other as they explore STEM learning, grow their potential, and chart a course for college and career success.

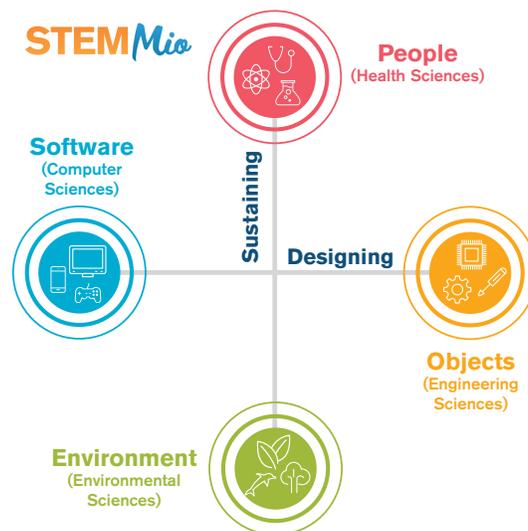


Family

As a companion to the game-based journey and learning activities, VME has created a television series, **Generación STEM**, to engage entire families with STEM, college, and the benefits of these careers. These episodes are available in English within STEM Mio, and in Spanish for families to watch together on TV and online.

Community

Working with VME and HACU, we have developed a robust **Community Engagement strategy**, including STEM Integration Kits with the resources for organizations and media to create local STEM Mio community events. Further, HACU will provide campus tours to students in Phoenix and San Antonio who 'level up' in the game platform to earn the experience. Both the tours and community events will bring students and their families together with college representatives, Latino professional organizations, Science Museums, clubs, etc, to play games, do hands-on STEM activities, learn about local colleges and culture, and make STEM Mio accessible.



Our Philosophy for Learning

We believe that all people long for growth and impact, and have the capacity to do great things. The role of innovation is to amplify this natural human drive. STEM Mio is an innovative approach to unlocking student potential, powered by kids' curiosity and desire to thrive.

In our platform, we make it easy for anyone to:

- connect to real-world opportunities they want to pursue.
- connect with the people and ideas to achieve success in one's pursuits.
- support the growth and impact of one another.
- assemble collections of pursuits into validated micro-certifications.

Through the STEM Mio Platform, the students themselves become the innovation; unlocking new potential and pathways, as they are supported in doing real-world STEM and College readiness pursuits.

STEM Mio Offerings: Ways to Get Involved

- Register a student, cohort or classes to play STEM Mio
- Play the Video Games in our STEM and College game collection
- Become a STEM Mio Mentor in the online platform
- Watch Generación STEM, the new family TV series on VME
- Join a HACU Campus tour in Phoenix (ASU) or San Antonio (UTSA)
- Organize or join in a STEM Mio Community Event

For more information about STEM Mio, contact Dr. Anna Arici at STEMMio@gamesandimpact.org or visit gamesandimpact.org/initiatives/stem-mio/ to get more details and start your journey!

