NEXTGEN **STEAM**

BY SLEINAD FOUNDATION

EXPOSE. IMMERSE. EQUIP.

See the future. Step into it.

NextGen STEAM helps young people explore careers across science, technology, engineering, the arts and mathematics - then connects that exploration to mentors, projects, college and career readiness, and real-world experiences.

01 FLAGSHIP

NextGen STEAM Mentorship Lab

Adaptable 8-week cohort: student discovery, career exploration, mentors, projects, college/career readiness.

02 IMMERSION

Career Immersion Experiences

Site visits, professional panels, demonstrations, mentor sessions and hands-on career exposure.

03 NEW

Digital Futures Lab

AI literacy, responsible AI, automation, digital productivity, data, cybersecurity awareness and creative technology.

THE NEXTGEN METHOD **Discover → Expose → Immerse → Equip**

GRADES 6-12	25-30	2 WEEKS	6 WEEKS
middle & high school	students per cohort baseline	discovery & assessment	programming & projects

KCSA OUTCOMES

Knowledge: STEAM pathways, majors, college and financial-aid awareness

Confidence: STEAM identity, belonging and career self-efficacy

Skills: Problem solving, teamwork, research, data and communication

Action: Career planning, mentor engagement and clearer next steps

FOR SCHOOLS & ORGANIZATIONS

- Program design & curriculum architecture
- Launch and implementation planning
- Mentor & industry-partner strategy
- Funding-ready program packaging
- Evaluation frameworks and train-the-trainer support

PARTNER WITH NEXTGEN

Sponsor a cohort • Fund technology • Underwrite career immersion • Provide mentors or industry access • Bring NextGen to a school or community

Funding supports instruction, mentors/speakers, technology and software, transportation/site visits, project materials, outreach, data collection and evaluation.

Dr. W. L. (Roy) Daniels Jr. - Trustee, Sleinad Foundation
Thurston "Alex" Daniels - Trustee & NextGen Program Architect

Program roots: framework documented in 2020; expanded with Illinois community partners in 2021; now modernized for AI, digital futures and emerging technology.