

Future Of Work Initiative

Cultivating Future Leaders Through STEAM Education

Between October and November 2024, the STEAM Education Leadership Workshop Series was held. Four sessions were designed for K-12 STEM educators eager to explore innovative ways to transform students' learning experiences by delivering high-quality STEM education that cultivates the next generation of leaders and problem-solvers. The objectives of these workshops were:

- **Explore and Reflect on STEAM Teaching.** Explore the broader role of STEAM education and its impact on fostering leadership, problem-solving, and future career readiness. This sets a strong foundation for understanding the purpose behind STEAM education.
- **Connect and Collaborate with K-12 STEAM Educators.** Build connections with like-minded educators and exchange insights, strategies, and best practices that enhance STEAM teaching practices by incorporating student leadership and future career readiness.
- **Develop Leadership-Oriented Teaching Resources.** Gain practical skills to design and deliver high-impact STEAM lessons and resources tailored to prepare students to tackle local and global challenges while equipping them for future STEM careers.

Audience: STEM teachers, teacher coaches, and education professionals who train and support STEM educators.

The series equipped educators with the mindset, knowledge, and skills to develop high-impact teaching resources that not only deliver robust STEM education but also guide students in becoming leaders who use STEM to solve critical local and global challenges, while preparing them for success in future careers in an increasingly dynamic world.

As a result, educators developed lesson plans that bridge STEM education with real-world challenges, nurturing students as problem-solvers and future leaders. They cover critical topics such as climate change, sustainability, smart agriculture, and social responsibility.