

**S — SCIENCE***Discover how the world works*

SAMPLE CAREERS

- ▶ Biomedical Scientist
- ▶ Marine Biologist
- ▶ Neuroscientist
- ▶ Astronomer
- ▶ Epidemiologist
- ▶ Chemist

CROSS DISCIPLINARY CONNECTON

- Analyzes data with MATH
- Builds tools with ENGINEERING
- Studies ecosystems with ENVIRONMENT

T — TECHNOLOGY*Build tools that change everything*

SAMPLE CAREERS

- ▶ Software Developer
- ▶ AI/ML Engineer
- ▶ Cybersecurity Analyst
- ▶ UX Researcher
- ▶ Data Scientist
- ▶ Game Designer

CROSS DISCIPLINARY CONNECTON

- Applies MATH algorithms
- Designs with ARTS & design
- Powers ENGINEERING systems

E — ENGINEERING*Design solutions to real problems*

SAMPLE CAREERS

- ▶ Aerospace Engineer
- ▶ Civil Engineer
- ▶ Biomedical Engineer
- ▶ Robotics Engineer
- ▶ Structural Engineer
- ▶ Chemical Engineer

CROSS DISCIPLINARY CONNECTON

- Uses SCIENCE principles
- Relies on MATH models
- Designs with ARTS vision

HOW STEAM CONNECTS: Every career lives at an intersection. A game developer uses MATH + TECHNOLOGY + ARTS. A climate scientist uses SCIENCE + MATH + ENVIRONMENT. An architect uses ARTS + ENGINEERING + MATH. *There are no siloes, only bridges.*

A — ARTS & DESIGN*Shape how people see & feel*

SAMPLE CAREERS

- ▶ UX/UI Designer
- ▶ Architect
- ▶ Film Director
- ▶ Music Producer
- ▶ Graphic Designer
- ▶ Creative Technologist

CROSS DISCIPLINARY CONNECTON

- Drives TECHNOLOGY design
- Tells stories with SCIENCE data
- Reimagines ENGINEERING forms

M — MATHEMATICS*Unlock patterns in everything*

SAMPLE CAREERS

- ▶ Actuary
- ▶ Cryptographer
- ▶ Financial Analyst
- ▶ Statistician
- ▶ Operations Research Analyst
- ▶ Quantum Physicist

CROSS DISCIPLINARY CONNECTON

- Powers TECHNOLOGY algorithms
- Fuels SCIENCE models
- Structures ENGINEERING designs

ENV — ENVIRONMENT*Protect our planet's future*

SAMPLE CAREERS

- ▶ Environmental Scientist
- ▶ Sustainability Consultant
- ▶ Wildlife Biologist
- ▶ Climate Data Analyst
- ▶ Urban Planner
- ▶ Conservation Engineer

CROSS DISCIPLINARY CONNECTON

- Grounded in SCIENCE research
- Measured with MATH & data
- Solved with ENGINEERING