STEM Career Exploration Badge

Glossary

Agriculture—another word for farming.

Career—another word for job.

Computer science—a field that focuses on the study of computers, the Internet, and how they're used. It includes areas such as programming, robotics, and cybersecurity, and careers such as a computer hardware engineer, roboticist, data engineer, cryptographer, and digital forensics expert.

Creative technology & design—a field that combines art, design, and computer science to create things that are both useful and fun: from an app or a building to sound effects or a new pair of sneakers. It includes careers such as a video game or app designer, architect, visual designer, entertainment engineer, industrial engineer, fashion designer, and sound producer.

Engineering—a field that focuses on building things like bridges, cars, or other products. There are four major types of engineering: chemical, mechanical, electrical, and civil. People who do this are **engineers**. They may work in many different areas, with careers designing things like prosthetics for the medical field, agricultural systems to grow more food, or clean energy systems that aren't harmful to the environment.

Food & agriculture—a field that focuses on growing, cooking, and consuming food. It includes careers such as a baker, farmer, food scientist, chef, agricultural engineer, urban farmer, and agricultural scientist.

Health & wellness—a field that focuses on human health. Medical professionals may specialize in taking care of patients (adults or children), researching diseases (such as cancer or diabetes), or treating parts of the body, such as the heart (cardiology) and the brain (neuroscience). It includes careers such as doctor, dentist, personal trainer, mental health professional, nurse, sports conditioning specialist, biomedical engineer, and medical scientist.

Nature & environment—a field that focuses on science, nature, space, and the outdoors. It includes careers such as a marine biologist, veterinarian, park ranger, geologist, wildlife rehabilitator, zoologist, aerospace engineer, hydrologist, conservation scientist, meteorologist, and environmental scientist.

STEM—an acronym that stands for Science, Technology, Engineering, and Math. It's commonly used as a shorthand for a wide variety of fields and careers.