



STEM Careers List

Careers with Science

- **Care for animals:** Veterinarians help household animals like cats and dogs. Zoologists study larger animals like elephants. Marine biologists study animals that live in water, such as fish and dolphins. Animal technicians of all kinds help care for injured animals until they are better.
- **Track the weather:** Meteorologists predict weather and how it affects the earth and people.
- **Help people stay healthy:** Pediatricians are doctors who treat children and help prevent them from getting sick. Nurses work with doctors to monitor patients who are sick. Dental hygienists work with dentists to help people keep their teeth clean and healthy.
- **Study nature:** Botanists study plants and can help develop new medicines.

Careers with Technology

- **Build robots:** Roboticists build machines that complete tasks programmed by humans.
- **Make digital art:** Graphic designers make digital art including illustrations for websites, brochures, and company logos and advertising. Digital sculptors create 3D computer models of game characters, vehicles, and other objects. These computer models can be used in video games and movies, or 3D printed to help make the object become a reality.
- **Keep people safe online:** Cryptographers write code, or instructions, to hide our online data and protect us from hackers.
- **Create digital products:** Programmers write code to design things that are both useful and fun, like apps, video games, and websites.

Careers with Engineering

- **Make batteries, spacecraft, and cars:** Mechanical engineers create all types of machines, from batteries to refrigerators. For example, automotive engineers design and test vehicle engines, brakes, and other systems to make sure cars are safe for people and the environment.
- **Build systems that help others:** Agricultural engineers find new ways for farmers to grow food and feed more people, like using drones or vertical farming.
- **Create new medicines and materials:** Chemical engineers work in laboratories to make new foods, medicines, and materials to make things like toys, clothing, or fuels for cars.
- **Design cities from the ground up:** Civil engineers design structures like bridges, buildings, and roads.

Careers with Math

- **Measure ingredients for new recipes:** Food scientists create new flavors and food combinations to make a new dish or product.
- **Design buildings, furniture, and clothing:** Carpenters and construction workers measure their materials to make sure all the parts fit just right. Architects use computers to sketch their plans and make sure of their measurements. Fashion and costume designers create clothing designs and patterns that fit all shapes and sizes.
- **Count to keep track of things:** Bankers, accountants, and investors count money and track money growth. Population ecologists and conservation technicians study groups of plants and animals to understand why their numbers go up or down and help keep nature balanced.
- **Look for patterns in the human body:** Doctors and other medical professionals focus on specific parts of the human body. For example, cardiologists are doctors who study the patterns of heartbeats to help people stay healthy.