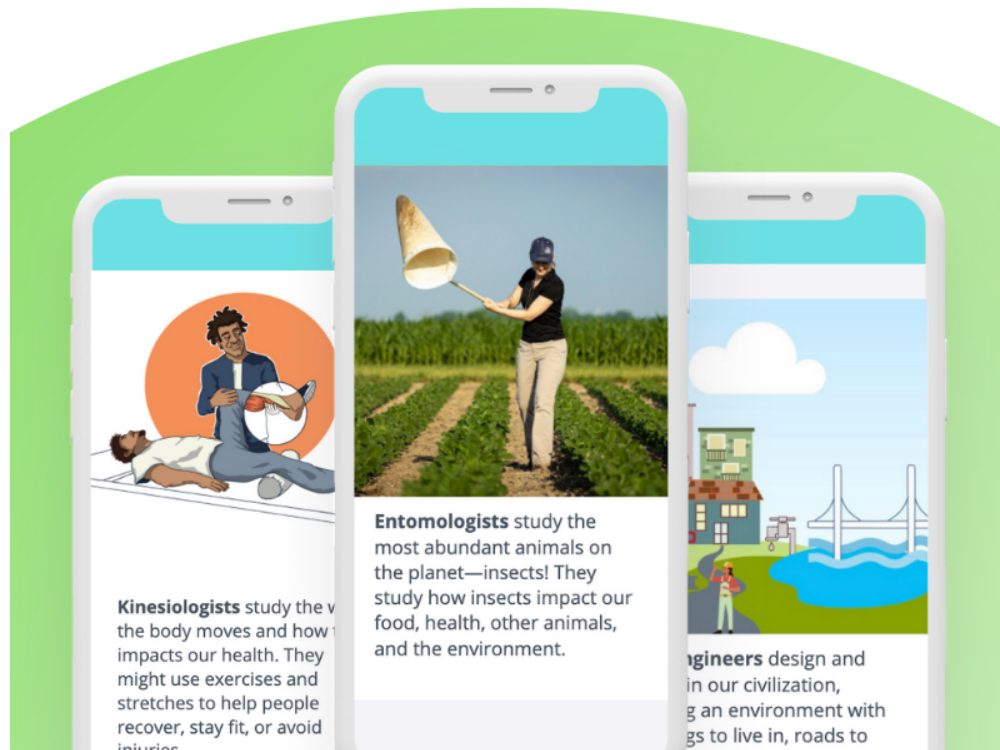




A to Z STEM Careers—for kids!



Which STEM career is right for you? Swipe to learn about possible Science, Technology, Engineering and Math (STEM) careers from A to Z!



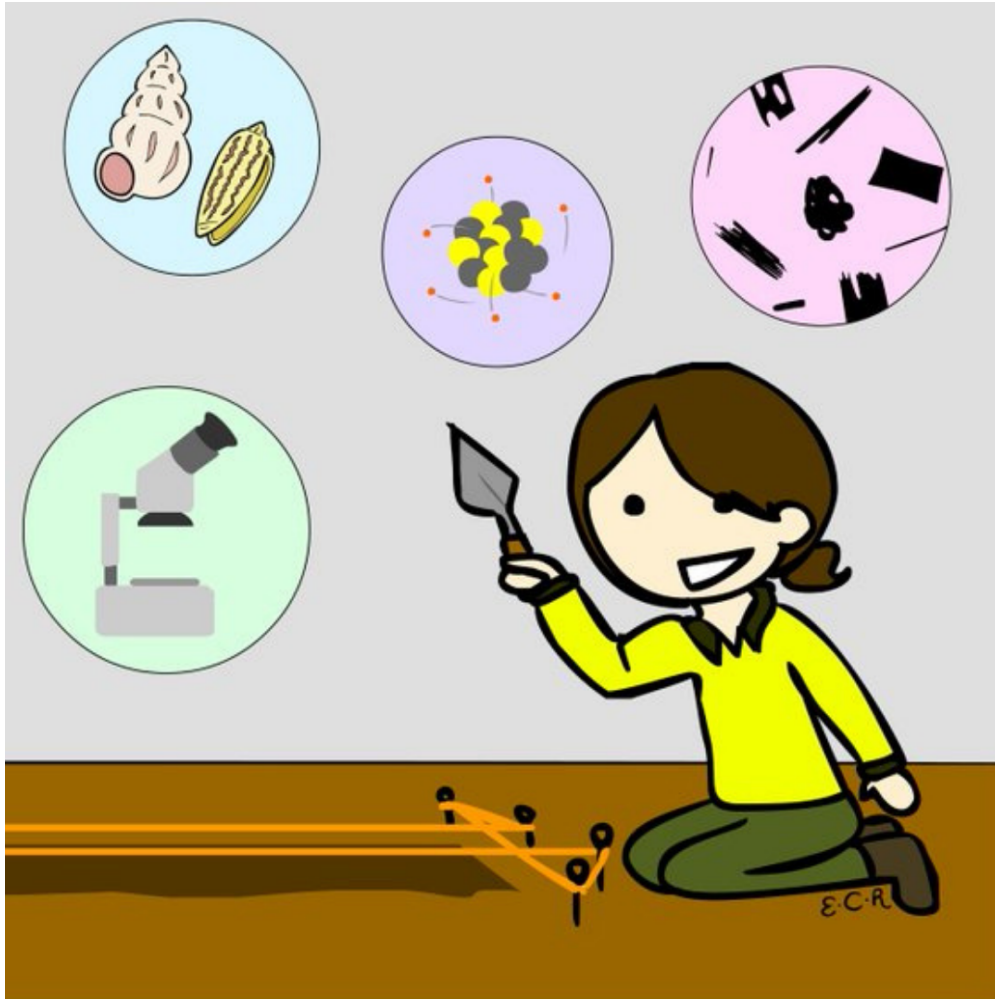
Not all STEM careers look the same—two people with the same job title can have very different roles and responsibilities.

This course will give you a taste of what these careers *could* look like.



The careers in this course were submitted or reviewed by real people who hold these careers. Each card is an example of only one person with that job. Thank you to **everyone who contributed to this course.**

Let's get started!



Archaeologists study the past of humans. Often, they are digging through dirt to find things left by people, but you can also find them working in labs, museums and universities.

STEM Topics: rocks / human behavior



Bat conservationists work to save bats! They might use cool spy technology like night vision to study bats around the world and work with people to save them from going extinct.

STEM Topics: animals / environment



Civil engineers design and maintain our civilization, creating an environment with buildings to live in, roads to drive on and water to drink.

STEM Topics: engineering / environment



Developmental psychologists explore how our behavior and our ways of thinking change as we grow up. They often design fun games that help study how children think.

STEM Topics: human behavior / brain



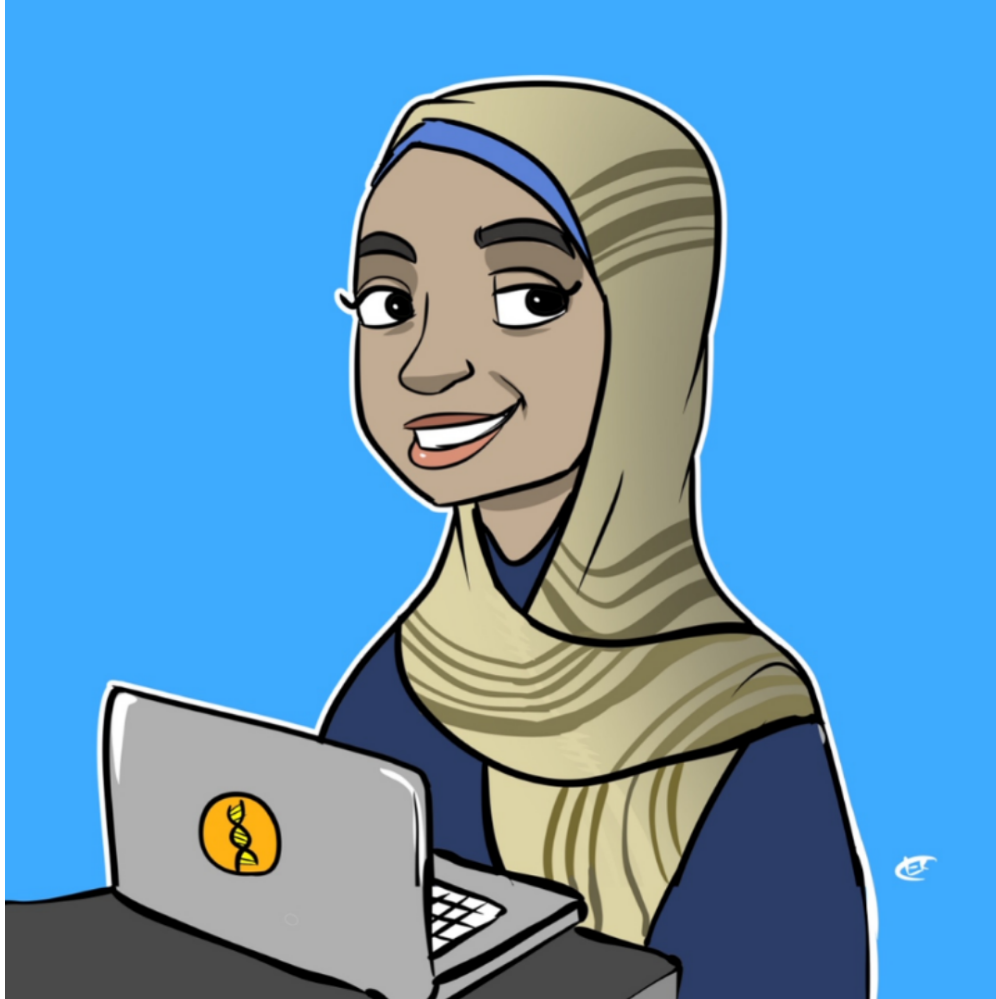
Entomologists study the most abundant animals on the planet—insects! They study how insects impact our food, health, other animals and the environment.

STEM Topics: animals / environment / community health



Financial planners use math to help people understand the amount of money they have, how they can use that money today and how to save for the future.

STEM Topic: math & statistics



Genomics researchers try to understand how changes in DNA (the material that carries all the information about how living things look and work) can affect our health. They are DNA detectives!

STEM Topics: cells & viruses / human body



Hhealth communicators share complicated health and science information in simple ways to help people and communities make better decisions about their health.

STEM Topic: community health



Immunologists study how our immune system, which protects us from outside invaders, works. Their research often leads to better ways to diagnose, treat and prevent diseases.

STEM Topic: cells & viruses



Journalists are investigators! They ask questions about things we want or need to know about.

They gather all the facts to report it to us in newspapers, magazines, or on websites.

STEM Topics: community health / science communication



Kinesiology is the study of the way the body moves and how that impacts our health. They might use exercises and stretches to help people recover, stay fit or avoid injuries.

STEM Topic: human body



Lab technicians help scientists do cool experiments! They also make sure to keep the lab and its machines neat and clean and full of needed supplies.

STEM Topic: chemicals



Meteorologists study the weather and climate using science, math, computers and other neat tools. They may predict the weather, track storms or even talk about the weather on TV!
STEM Topics: weather / computers / math & statistics



Nanoscientists study why super small things like “nano-particles” behave differently than is expected. They solve equations and use computers to study these tiny particles.

STEM Topics: computer / forces & motion / math & statistics



Oceanographers are scientists who study the ocean. There are many types of oceanographers. They can study the water, animals, rocks, places where fish live or the fish themselves!

STEM Topics: ocean / animals / rocks



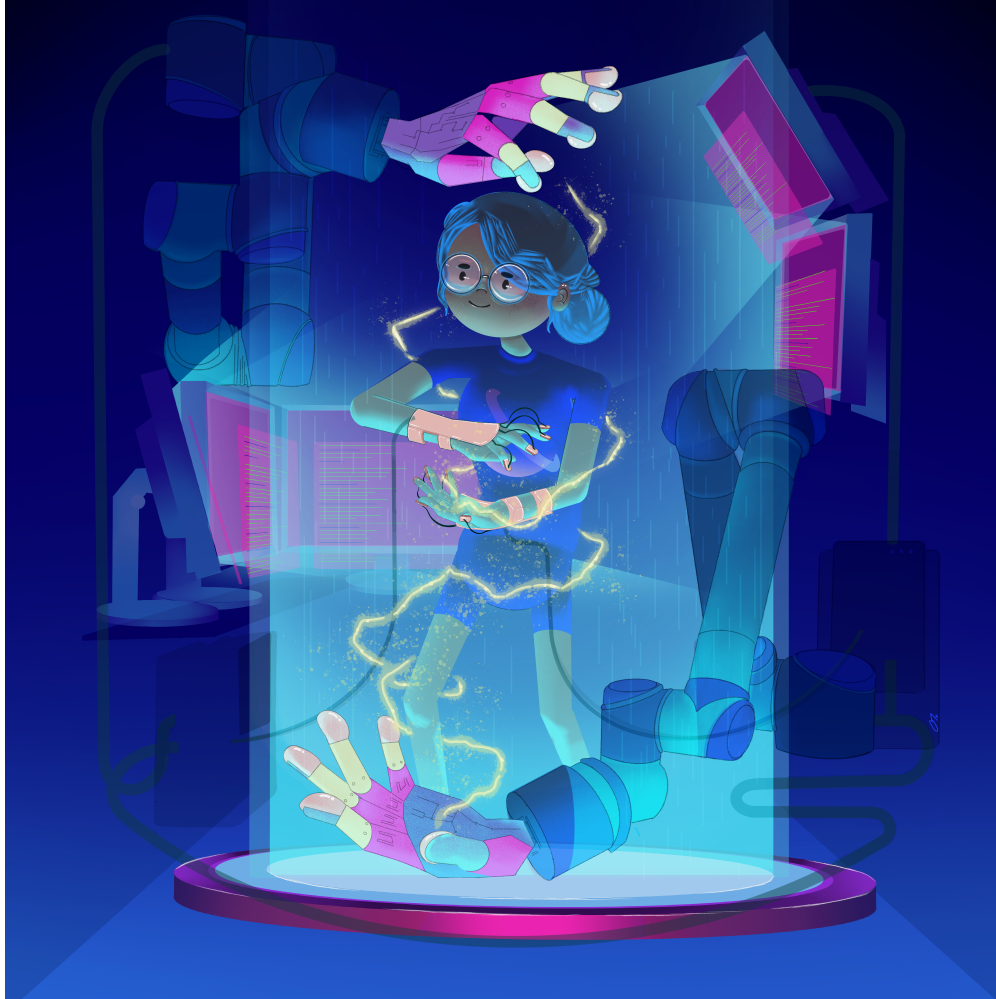
Pharmaceutical scientists research and help create new and useful medicines that might help people recover from illness or keep them healthy. They use chemistry and biology to cure diseases around the globe.

STEM Topic: medicine / chemicals / cells & viruses / community health



Quantum physicists may study portions of the Universe. Some use math and computers to understand how space may have looked a really long time ago.

STEM Topics: space / math & statistics / computers



Robotics engineers create robots and robotic systems that help humans do important jobs that people can't or don't want to do. They help to make jobs safer, easier and more efficient.

STEM Topics: engineering / computers



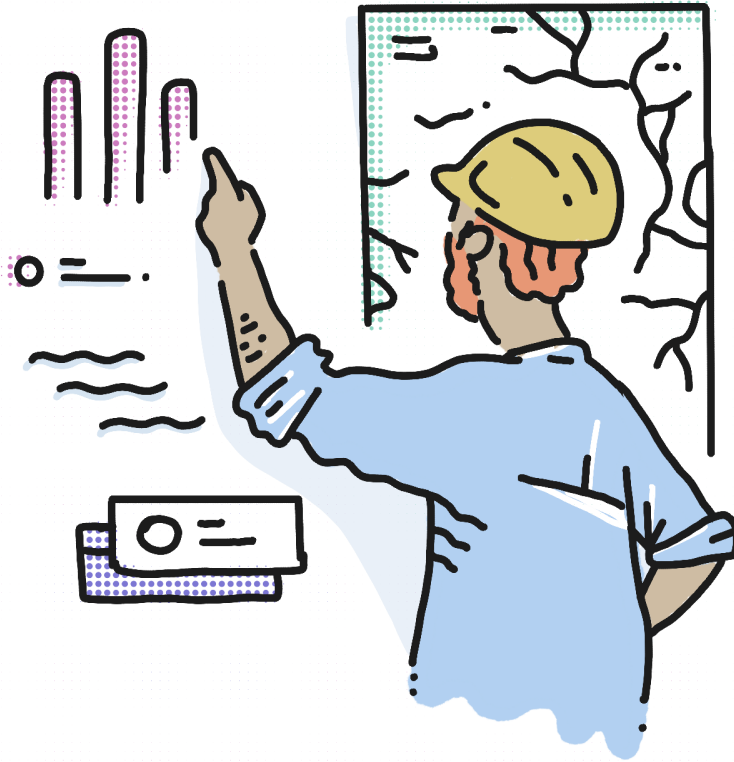
Solar engineers may research, design and build solar panels. These panels make energy (electricity!) from the sun.

STEM Topics: energy / engineering / environment



Taxonomists group organisms into categories. They identify, characterize, classify and give specific names to all the living organisms based on these characteristics.

STEM Topic: animals / plants



Urban planners may use math and statistics to develop environment-friendly plans for the use of land and buildings within communities.

STEM Topics: math & statistics / environment



Veterinarians take care of all kinds of animals and help them when they are sick. They help animal owners keep their animals healthy with advice and medicines.

STEM Topics: animals / medicine



Wetland ecologists study the relationship between plants and the environment, especially in areas where water meets land.

STEM Topics: plants / environment / chemicals



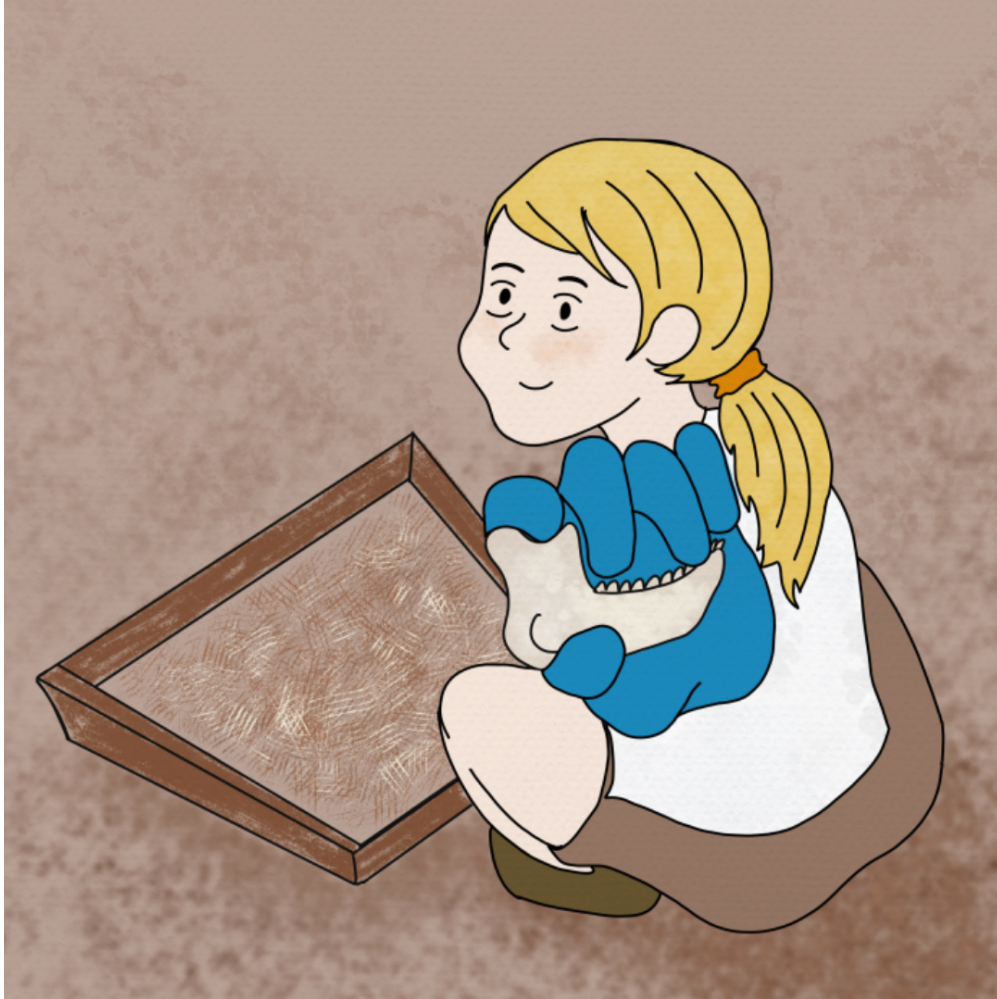
X-ray technicians take pictures of patients' bones, joints and sometimes organs, to help doctors diagnose diseases or injuries.

STEM Topic: human body / computers



YouTube medical hosts get to make fun and educational videos that help people living with complicated medical problems have less fear and stress about their condition.

STEM Topics: medicine / science communication



Zooarchaeologists study animal bones. These bones provide clues about peoples' diets, pets' and livestock's lives, and the possible culture and religious significance of animals.

STEM Topics: rocks / animals



Summary

You've now learned a STEM career for every letter of the alphabet!

What jobs do you think might be fun to do when you grow up?



Thanks!

Parents, teachers, guardians, and other adults can find more A to Z careers to share with the kids in their life [here](#).

Thanks for viewing!



The mission of Letters to a Pre-Scientist is to facilitate one-on-one connections to humanize STEM professionals, demystify STEM career pathways, and inspire all students to explore a future in STEM.



<https://www.prescientist.org/>



Our mission is to help make important science and health information more accessible, approachable, relatable and actionable for *all* people, which we believe is best achieved by collaboration between experts, artists, storytellers and audiences.



<https://lifeology.io/>