



STEM Field: Science

Change the World with a Career in Science:

- **Care for animals: *Veterinarians***

care for household animals like cats and dogs.

- **Track the weather: *Meteorologists***

predict the weather and how it affects the earth and people.

- **Help people stay healthy:**

Nurses help people who are sick.



Can you complete the challenge?

Become a plant expert. Botanists are scientists. They study plants.

Find a plant. Draw it. What do you want to learn about it? What questions do you have?



STEM Field: Technology

Change the World with a Career in Technology:

- **Build robots: *Roboticists***

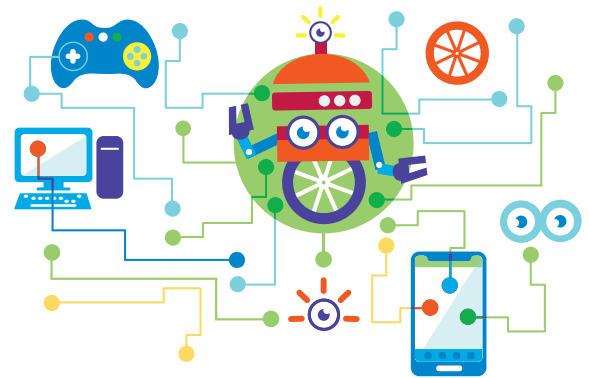
build machines that complete tasks programmed by humans.

- **Make digital art: *Graphic designers***

make digital art on computers.

- **Keep people safe online:**

Cryptographers write code, or instructions, to hide our information and protect us from hackers online.



Can you complete the challenge?

Play “Programmer Says.” Programmers make apps. They make websites and video games, too. They do all this with code. Code tells computers what to do.

Pretend you’re a programmer. Have a friend be your computer. What will they do? Tell them step-by-step. Have them follow your code, just like a computer!



STEM Field: Engineering

Change the World with a Career in Engineering:

- **Invent our world:**

Mechanical engineers

design spacecraft and cars.

- **Power our world:**

Electrical engineers

light up homes and cities.

- **Understand our world:**

Chemical engineers

create new medicines and materials.



Can you complete the challenge?

Engineer a building. Civil engineers design and build bridges. They build roads. They build buildings, too. What would you build?

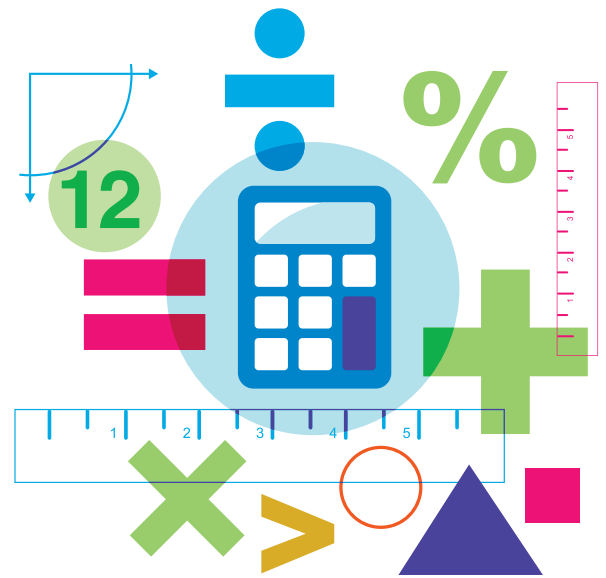
Imagine you're building a tower. What would it look like? Build it with toothpicks and clay.



STEM Field: Math

Change the World with a Career in Math:

- **Measure ingredients for new recipes:** *Food scientists* measure ingredients for new recipes and flavors.
- **Look for patterns in the human body:** *Cardiologists* look for heart patterns to help people stay healthy.
- **Count plants and animals:** *Ecologists* count plants and animals to help keep nature balanced.



Can you complete the challenge?

Count like a banker. Bankers count bills and coins. They keep your money safe.

Count 5 pennies. That's equal to one nickel.

Count 10 pennies. That's equal to one dime.

For more fun: Count 25 pennies. That's equal to one quarter.