

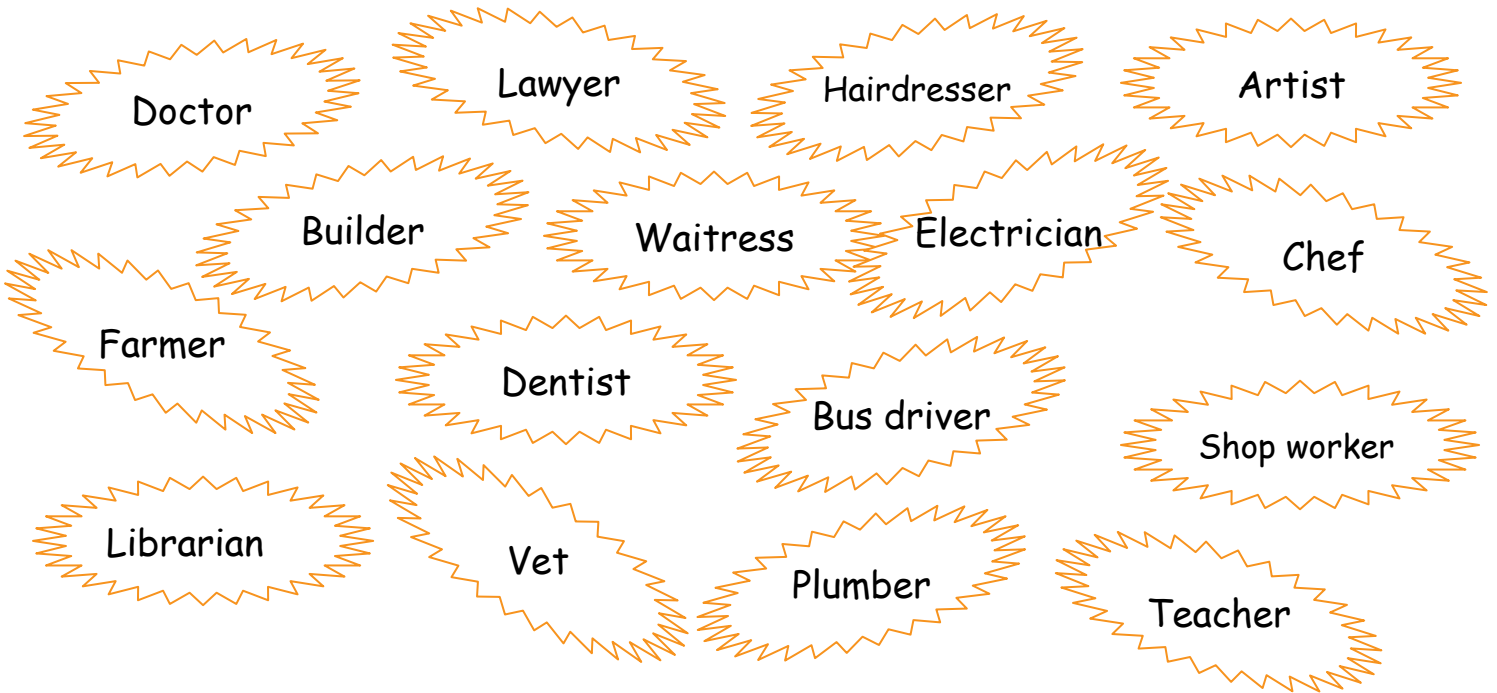
Write your name here

Can you make it?

What jobs involve STEM?

Science, Technology, Engineering and Maths are really important subjects and most jobs will need to you use a little bit of at least one of these.

Put **S**, **T**, **E** or **M** next to the jobs where you think it is important to understand some **S**cience, **T**echnology, **E**ngineering or **M**aths. Some jobs might use more than one subject.



I have drawn a

They work in a

In the box below draw a picture of someone doing a STEM job.

ANSWERS AND NOTES

Can you
make it?

This activity aims to challenge pupils' view of science and engineering and show where they are used and why they are so important. These answers are not definitive, but should give you some guidance on how to lead the class discussion on the pupils have completed their sheet.

Job	Answer	Reason
Artist	SM(ET)	S - it's helpful to know how the colours in paints are made and this is chemistry M - needs to calculate how much paint to buy and how much to sell their artwork for ET - many artists now use modern communications media in their art and sculptors working on large installations may need to understand some engineering
Doctor	STM	S - needs to understand the biology of how the body works T - might need to use complex pieces of equipment to investigate the body M - might use maths to calculate how much blood to give or how many tablets to prescribe
Lawyer	MT	M - needs to work out how long they have been working on your case to calculate how much to charge you! T - might use a computer in their day to day job
Hairdresser	SM	S - it is important to understand some chemistry in order to know which chemicals and at what concentration they should be when colouring or perming hair M - they need to understand maths in order to work out how much to charge to run their business and make a profit
Builder	STEM	SE - needs to know about the properties of the different building materials so they can choose the right one T - they might need to use complex equipment in their job M - they need to calculate how much of the materials to buy for each job
Waitress	M	M - needs to add up their tips!
Electrician	STM	S - needs to understand about electricity T - needs to use complex equipment sometimes M - needs to calculate how much wire to buy
Chef	SM	S - needs to understand some of the chemistry of different ingredients M - needs to be able to weight and measure ingredients accurately and work out how much to buy
Farmer	SM(T)	S - needs to understand a little about the biology or the livestock or about the crops they are producing M - needs to calculate how much feed to buy or how many seeds ET - might need to understand complex pieces of equipment
Dentist	SM	S - needs to understand the anatomy of your teeth and the materials used to help mend them M - might need to work out how much material to use when filling a tooth
Bus driver	M	M - needs to make sure you have the right change when paying your bus fare
Shop worker	M	M - needs to make sure you have the right change or how much to charge you
Librarian	T	T - might need to use computer equipment to categorise the books or access on-line information
Vet	STM	Same as doctor really, but for animals!
Plumber	SEM	S - needs to understand about materials in order to use the right ones for different jobs E - needs to understand how to join different materials and how they will behave in their operating environment M - needs to calculate how much piping to buy
Teacher	STEM	Needs to understand a bit of all of these in order to be able to pass on that information to pupils.