

Can you  
make it?

# What do Scientist and Engineers look like?

Use these cards to show the pupils that Scientists and Engineers are just like anyone else!

# What do Scientists and Engineers look like

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- Place these cards around the room so that the photos are showing.
- Ask the pupils to try to guess what each person does for a job from their appearance.
- Although most jobs involve STEM subjects to a greater or lesser degree, Scientists and Engineers are the professionals who design and develop everything around us.
- Hopefully the pupils will see that Scientists and Engineers are just like anyone else!

# This is Angela

Can you  
make it?

## Is she a Scientist or Engineer?



# Yes she is!

- Angela is a Mechanical Engineer.
- She helps to design buildings that are energy efficient and comfortable to live and work in.
- She helped to design and oversee the new extension at Kings Cross Station in London.
- She was inspired to think about a job in engineering when she got to go into the cockpit of Concorde as a child.
- She studies Maths, Physics and Chemistry at school.

# This is Carmel

Can you  
make it?

## Is she a Scientist or Engineer?



# Yes she is!

- Carmel is a Cosmetics Scientist.
- Carmel studied Beauty Therapy when she left school at 16. She became more interested in understanding the science behind the products so went on to study Cosmetics Science.
- Now she develops new make-up and toiletries and helps to teach other students on the course that she did.

# This is Chris

Can you  
make it?

## Is he a Scientist or Engineer?



# Yes he is!

- Chris is a Chemical Engineer.
- Although Chris grew up and studied in the UK (he did Maths, Physics and Chemistry A-levels and then went to University), he lives and works in Italy now.
- He works for a company that makes and sells ice-cream all over the world.
- Chris's job involves making sure that all the ice-creams look the same.
- He enjoys using science in a practical way.



# This is Dave

Can you  
make it?

## Is he a Scientist or Engineer?



# Yes he is!

- Dave is a Sports Engineer.
- Dave always liked science and making stuff. He is also really into mountain biking and has spent ages trying to make his bike go faster.
- He combined his interests by studying Sports Engineering and is now a teacher at university.
- He has worked on lots of different projects including looking at cricket pitches to see how they can help the ball to bounce better.

# This is Diane

Can you  
make it?

## Is she a Scientist or Engineer?



# Yes I am!

- I am a Materials Engineer.
- I loved science at school and am happy to admit I was a bit of a geek!
- I thought about lots of different jobs; a doctor, a pharmacist, an optician, a teacher and a doctor.
- I did Maths, Physics and Chemistry A-levels and finally settled on Materials Engineering, which I studied at University for 9 years.
- Now I try to get others to think about the importance of science and engineering and I love my job!

# This is Eugenie

Can you  
make it?

## Is she a Scientist or Engineer?



# Yes she is!

- Eugenie is a Computer Scientist.
- Eugenie loved Maths at school and has now combined this with her love of the movies.
- She works for a film company creating amazing special effects and worked on Harry Potter and the Deathly Hallows (part 1).
- She like combining her creative side with computer programming and has to look at something like fire or water in the real world and try to work out how to recreate this on a computer.

# This is Hani

Can you  
make it?

## Is she a Scientist or Engineer?



# Yes she is!

- Hani is a Petroleum Engineer.
- She works for a global oil and gas company making sure that their platform run safely.
- Although Hani was grew up and studied in the UK she lives in Texas now.
- She enjoys her job because she likes solving problems and working as a part of a large team.
- Her favourite subject at school was chemistry but she also did A-levels in Biology, Geography and Maths before going to University.



# This is Jasmine

Can you  
make it?

## Is she a Scientist or Engineer?



# Yes she is!

- Jasmine is a Chemical Engineer.
- Jasmine uses her knowledge of science to develop new haircare products like shampoo, conditioner, hairspray and styling wax.
- She says that most people don't think that the stuff they put in their hair involves science and engineering!
- She enjoys working in a fast-paced environment which is always changing.
- She studied Maths, Chemistry and Biology at school.

# This is Joe

Can you  
make it?

## Is he a Scientist or Engineer?



# Yes he is!

- Joe is a Product Designer.
- He works for a company that is developing technology to use energy from the waves to generate electricity.
- He lives and works in the north of Scotland and when he is not working he is still out on the waves surfing.
- He has always enjoyed finding out how things work and studied Maths, Physics and Design Technology at school.

# This is Mairead

Can you  
make it?

## Is she a Scientist or Engineer?



# Yes she is!

- Mairead is an Electronics Engineer.
- Mairead works on the microchips that allow you to listen to music on your mobile phone and MP3 player.
- She likes engineering because it is interesting and challenging and she likes working to deadlines.
- She loves seeing something that she has helped to make working in real-life.
- She studies Maths, Physics and Computing at school.
- When she is not at work Mairead enjoys doing triathlons.

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# This is Martin

## Is he a Scientist or Engineer?



# Yes he is!

- Martin is a Medical Engineer.
- Medical Engineering forms a bridge between medicine and engineering looking at how materials can be used to mend the human body.
- He teaches the next generation of Medical Engineers at University .
- Some of his students go off to work for companies that make body parts like hip replacements and others go into medicine or engineering.



# This is Patty

Can you  
make it?

## Is she a Scientist or Engineer?



# Yes she is!

- Patty is a Sports Scientist
- She works for an international sports equipment company.
- Patty has always enjoyed swimming and wanted to understand more behind the sport.
- She enjoyed Physics and Maths at school but also studied English to help her communicate her ideas.
- She enjoys doing a job that motivates people to lead a healthier lifestyle as the equipment she designs helps to improve performance in many sports.

# This is Pam

Can you  
make it?

## Is she a Scientist or Engineer?



# Yes she is!

- Pam works for NASA.
- She was the Commander on a mission to the International Space Station where she lived for six months.
- Pam loved astronomy from a young age and remembers reading about the stars and planets when she was 8 or 9 years old. This led her to study Physics and Astronomy at University
- She always dreamed of going in to space and says it is one of the most emotional things a human can ever do. Seeing the Earth in the blackness of space makes you realise how tiny we are!

# This is Pete

Can you  
make it?

## Is he a Scientist or Engineer?



# Yes he is!

- Pete is a Structural Engineer.
- Pete helps to design all sorts of structures from bridges to houses; he even helped to design the Olympic Velodrome.
- He enjoys working as part of a team and loves to see the structures he has helped to create finished.
- His favourite structure is the Eiffel Tower in Paris.

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# This is Rob

## Is he a Scientist or Engineer?



# Yes he is!

- Rob is a Manufacturing Engineer.
- Rob always wanted to be an engineer but he didn't realise he would become proper Charlie!
- He works for a real-life Willie Wonka, developing processes for making all kinds of sweets and chocolates.
- His job is interesting and fun and he loves seeing the products he has helped to make in the shops.
- He studied Maths, Physics and Chemistry at school before going to University.



Can you  
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# This is Ronald

## Is he a Scientist or Engineer?



# Yes he is!

- Ronald is an Aerospace Engineer.
- Ronald's Dad is engineer and he has been interested in engineering since he was a kid. He joined the air cadets when he was 13 because he likes aircraft.
- He enjoyed science at school and studied Maths, Physics and Chemistry A-levels before going to University.
- Ronald works for a company that designs and builds engines for large aircraft.
- As part of his job Ronald gets to travel all over the world.

# This is Sara

Can you  
make it?

## Is she a Scientist or Engineer?



# Yes she is!

- Sara is a Radio Engineer.
- She helps to make sure that the radio network is kept clear of interference so that radio, mobile phone, emergency services and air traffic control systems all work properly.
- She started working as an apprentice when she was 16 and is now a fully qualified engineer.
- She says her job is exciting and no two days are ever the same.