

Choose your own adventure

So, you want to be an engineer. How do you get there?

You can go straight to university from school with a strong background in Science (Physics and Chemistry) and Maths. But don't neglect your creative subjects - engineers still need strong communication skills.



STEM

PUTTING THE E IN STEM

If you don't get the ATAR score you need, there are other ways to become an engineer:



Starting out in another course like Science and transferring to Engineering



Doing a TAFE qualification that gets you advanced standing



Going through a Defence traineeship



Enabling courses that help to get your skills to the right level

What can I do now?

STARportal

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This site is full of free and low-cost STEM activities. Log on and discover a world of online and home-based activities to spark your curiosity.

starportal.edu.au

F1 in Schools

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This is a worldwide competition with 17,000 students racing to develop the fastest miniature Formula 1 car. Could you have a team in this year's competition?

rea.org.au/f1-in-schools



Power of Engineering

The Power of Engineering project brings one-day events to Year 9 and 10 students. Is there one near you?

powerofengineering.org



Day of STEM

A free online resource that lets you experience what a day in the life of a STEM career might look like.

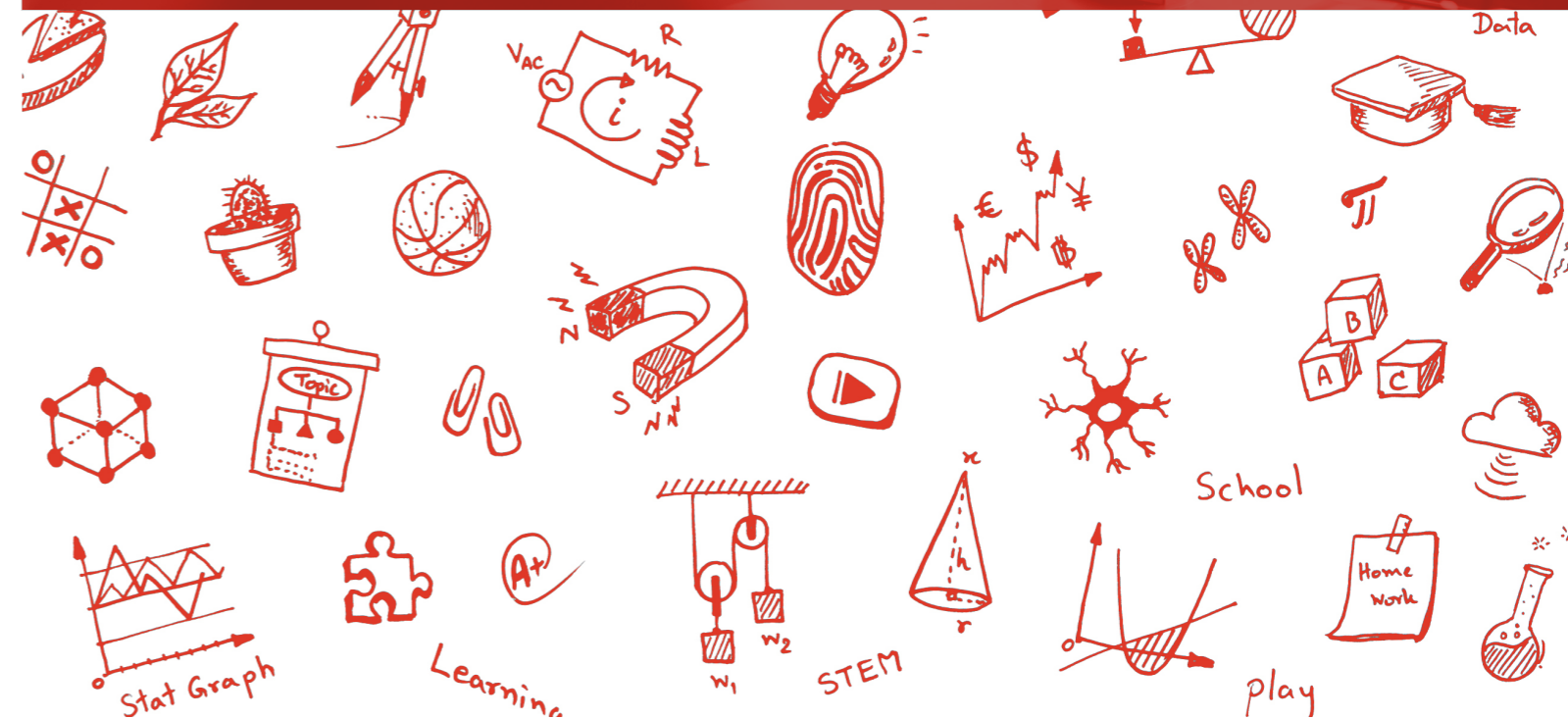
dayofstem.com.au

Start thinking about the problems you want to solve!

Shape the future by solving problems

Pick a problem, search for a solution, and get involved

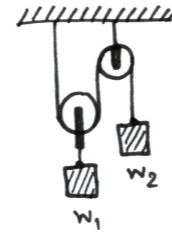
Where could engineering take you?



See yourself as an engineer

Seeing problems from different angles

Not stopping until the job is done



Communicating a clear vision

Imagining a different future



Breaking a problem down to the details

Questioning the way things work

Visualising, sketching and creating

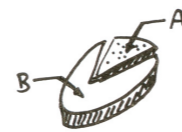
Pushing technology to its limits



Researching skills that rival Google

Figuring out the building blocks of the universe

Not taking 'no' for an answer



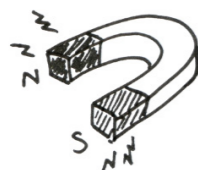
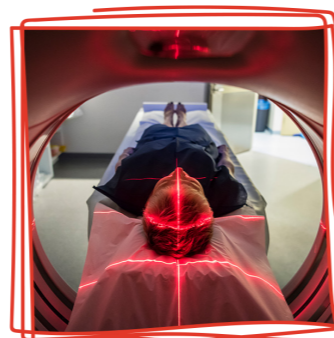
Match up your strengths and your interests, and find the problem only you can solve.

Engineers gave us...

- W-Fi for you to stay connected anywhere you go
- Electric vehicles to clean up the atmosphere
- Smooth roads and bridges, plus the GPS that gets you to school

What's next?

- Creating the next Internet of Things (IoT) alarm clock as an electrical engineer
- Making a robot that takes people out of harm's way in the workplace or on the farm as a mechanical engineer
- Finding a new way to recycle plastic in the ocean as a chemical engineer



8 Reasons you should consider engineering



1. Create and shape the future

If you turned your wildest ideas into reality, could you solve the problems that our planet is facing and create a better future?

2. Make great money

Engineers are the next-best paid professionals after lawyers and doctors, with the chance to earn more than \$200,000 a year at the top of your game.

3. Get a job straight after university

Nobody wants to go to uni and then end up unemployed - when you study engineering, you've got an 83% chance of walking into a full-time job straight away.

4. Work in any industry, anywhere

Engineers are involved in nearly every industry. If you're a fan of cars, music or computers, you can choose the field of engineering that makes those things better.

5. Never stop learning

Engineers don't stop learning - the profession is always changing, and you'll never get bored.

6. Beat the stereotypes

Engineering is about more than maths - you need to be a team player, creative, a strong communicator, and business savvy.

7. Travel the world

You can work nearly anywhere in the world with internationally recognised engineering qualifications.

8. Solve problems all day, every day

Do you love that 'a-ha' moment when you solve a problem that's been bugging you? See yourself as an engineer.

