

Take the Engineering Challenge

Engineers take ideas and turn them into reality, using science, maths, and imagination. Engineers use their problem-solving skills to improve the world around us. There are many different types, or disciplines, of engineering. **Take the Engineering Challenge!**

Match the engineering descriptions with the images on the next page! Write the corresponding number (or numbers) in the circles on the picture. The first one is done for you. Hint: Some of the images are examples of more than one type of engineering. Then have a go at colouring in the opposite page and try drawing your own examples.

1	AERONAUTICAL ENGINEERING	Aeronautical engineers design and build flying machines like airplanes, rockets, spaceships, and satellites.
2	BIOMEDICAL ENGINEERING	Biomedical engineers develop technologies and equipment that saves lives and improves health.
3	BIOSYSTEMS & AGRICULTURAL ENGINEERING	Biosystems & Agricultural engineers develop new ways to grow and deliver high-quality, safe food to consumers.
4	CHEMICAL & PROCESS ENGINEERING	Chemical engineers develop industrial processes used to make everyday products such as food, drink, drugs, cosmetics, plastics and electronics.
5	CIVIL ENGINEERING	Civil, structural, and environmental engineers design and construct buildings and infrastructure, like bridges, that are essential to our modern society.
6	COMPUTER & SOFTWARE ENGINEERING	Computer and software engineers design and develop hardware, software and information systems for computers and mobile devices.
7	ELECTRICAL ENGINEERING	Electrical Engineers develop systems and products that make or use electricity, from power plants, to household appliances, to renewable energy technologies, like wind turbines.
8	ELECTRONIC ENGINEERING	Electronic engineers design and develop the electrical and electronic equipment that we use every day, from mobile phones to drones.
9	MARINE ENGINEERING	Marine Engineers design and build boats, ships, oil rigs and any other marine vessel or structure.
10	MECHANICAL ENGINEERING	Mechanical engineers use their problem-solving skills to design machines and technologies to improve our world.

www.engineersireland.ie/schools

#STEPSEngineersWeek



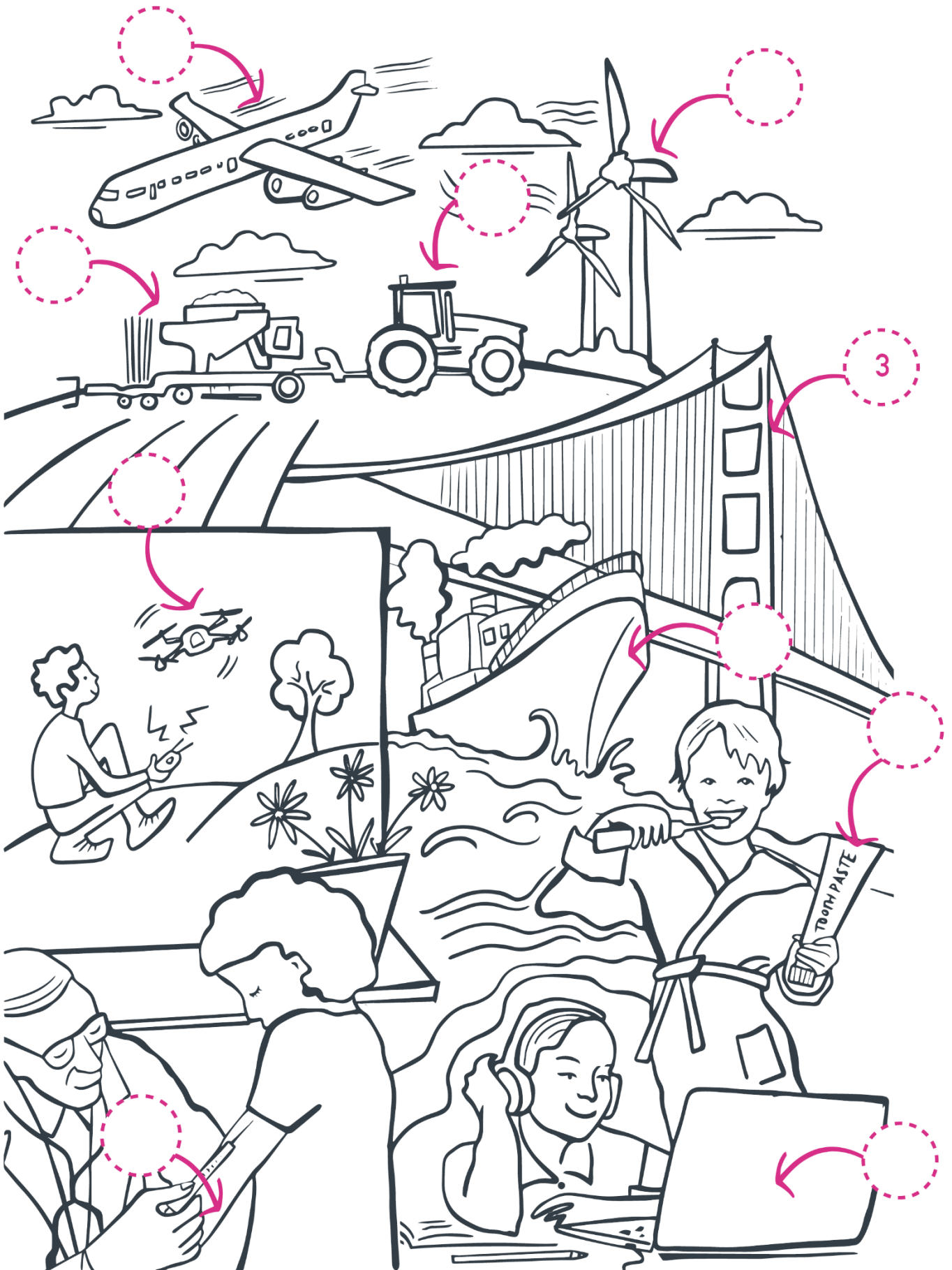
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