







# AIRCRAFT OF THE FUTURE

Paul the Pilot is looking forward to flying the Tempest aircraft in the future. If you could design an aircraft, what would it look like?

DRAW YOUR DESIGN HERE:



6

## NTING AIRCRAFT

The year is 2035 and Sally the Security Systems Officer is looking out of the window and can see lots of the new Tempest aircraft.

Can you help her by counting how many there are?









Can you help Eddie the Engineer get out of this maze? He can only escape through boxes that total 100.



12

ORDSEARCH

RAF needs to think about what shapes to use to help it to fly.

Can you help Daisy find these shapes hidden in the wordsearch?

3

















### SALLY'S JOB

Sally the Security Systems Officer knows how important it is for the RAF to protect their computers and information. This is called Cyber Security.

Some of the words have dropped out of this description of Sally's job. She would like you to read it and help to put the words back in their correct places?

> COMPLETE THE DESCRIPTION



### WORD BANK

Sally had a very \_\_\_\_\_\_Ob to do. She was a Security Systems Officer and she had been working for the RAF in their Cyber Security Department for nearly five <u>YEARS</u> Cyber Security is the technology used to protect computers from danger of being attacked. If a computer <u>MTACKED</u> information can be <u>STOLEN</u> and the computer programmes and networks can be damaged.

It was Sally's job to make sure that all the information the RAF had was kept<u>SAFE</u> and hidden. This meant she had to have a password to be able to access the computers. Her password was a secret<mark>WORD</mark> that nobody but Sally knew. Other people could not see what information was on the computers.

Sally made sure the RAF computer systems had the latest software technology needed to protect them from <u>ANCEP</u> attack by hackers and viruses. A hacker is someone who tries to get into a computer without permission. A computer virus is a piece of computer code that can <u>AMACE</u> computer system. Sally was very good at her <u>IOB</u>. Every day she checked the systems were safe and every evening she made sure that they were closed down and logged off properly before she went home.

 $\mathbf{28}$ 

SAFE IMPORTANT JOB STOLEN DANCER WORD YEARS DAMACE ATTACKED

### CHING SHADOWS ineer has a lot of tools. He uses these to build and to repair machinery and equipment for the RAF. Can you match each shadow to this list of tools? EDDIE DRILL PAINT PAINT BRUSH SAW BRIISH TOOLBOX TAPE MEASURE SCREWDRIVER **PLIERS** SAW TAPE OOLBOX MEASURE SCISSORS SPANNER DRILL PLIERS

FACT SPANNER SCREWDRIVER SCISSORS

29

A shadow is the dark shape made when something blocks light. There must be a source of light in order to have shadows. Some sources of light include the sun, a light bulb and a torch. Some things that block light and are great at making shadows are trees, fences, buildings and you! Have a look at your own shadow next time you are outside.





Ceneration Tempest is a campaign to encourage young people to study and have a career in STEM (Science, Technology, Engineering or Mathematics). Its aim is to create enthusiasm, increase the UK's technical workforce and positively influence the Team Tempest programme.

The new Tempest aircraft will be going into service in 2035 with many years in the air to follow. This means we are working now to inspire people who haven't even been born yet.