

CHALLENGE PUPILS TO DESIGN A DATA SUPERHERO TO PROTECT A DATA CENTRE!

Age:
9–11

Subject:
Art,
Computing,
PSHE

Time:
Approx.
20–45 mins

DESIGN A DATA SUPERHERO COMPETITION

 **KAO DATA**

**ENTER BY
12TH DECEMBER 2025
FOR THE CHANCE TO WIN**



**CONGRATULATIONS,
DATA SUPERHEROES!**

You have unlocked your final mission: **the Design a Data Superhero Competition**

WHAT IS A DATA CENTRE?

Data centres help connect the world! They are enormous buildings filled with **powerful servers** that store and process data for websites, apps and cloud services.

**Other than servers,
what's inside?**

Backup power –
to keep everything
running during
power cuts.

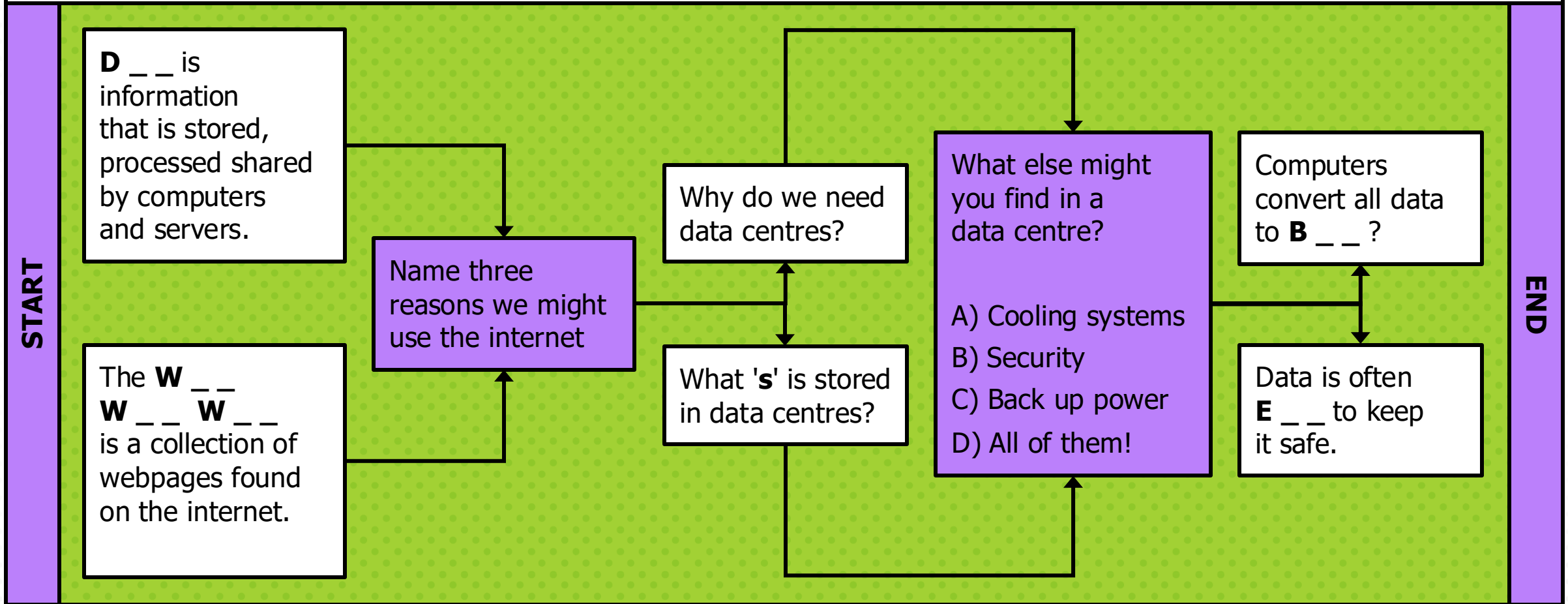
**Computer
equipment**
to manage
internet traffic
and security.

Cooling systems
– to prevent servers
from overheating.

**Biometric scanners,
cameras, and guards**
to protect sensitive data.

WHAT IS A DATA CENTRE?

Use your data superhero training to pick your path to cross the recap board!



DESIGN A DATA SUPERHERO!

Your challenge is to design a data superhero to protect a data centre.

Your data superhero design must include:

- A **drawing** of your superhero
- Your superhero's **name**
- A description of your superhero's **special power**, and how that helps protect your data centre.
- Enter by **12th December 2025** for the chance to win.

YOU COULD WIN

First prize

- A weatherproof banner of the winning design
- Robot Building Block Set for the winning pupil
- £100 Amazon voucher for your school
- Reusable water bottles for your class

Second prize

- Hydraulic Cyborg hand for the winning pupil
- £100 Amazon voucher for your school
- Reusable water bottles for your class

Third prize

- Education Solar Robot for the winning pupil
- £100 Amazon voucher for your school
- Reusable water bottles for your class

DRAW!



DESIGN A DATA SUPERHERO!

Your challenge is to design a data superhero to protect a data centre.



POWER UP WORD BANK

Data centre terms:

- Binary • Cooling • Cyber villains • Electricity • Encryption
- Network • Power • Problem solving • Server speed • Power
- Data processing • Safety • Security • Sustainability

Superpowers:

- Control of (water / ice / nature / weather) • Elasticity • Flight
- Invisibility • Mind reading • Shapeshifting • Shields
- Super-senses • Super speed • Teleportation • X-Ray vision

JUDGING CRITERIA

The judges will look for designs that:

- Are well-presented and labelled
- Clearly explain how their superhero will help a data centre
- Are colourful and creative!

YOUR CLASS ENTRIES



Here at Kao Data we always want to keep your data safe, so we ask that you don't submit your pupils' names with their entries.

Instead, please use this sheet to create a pupil number for each entry and use that for their submission (you will see a space for 'pupil number' on the submission sheet - explain to them this is like using encryption to keep data secure in a data centre, protecting personal data like their name).

Keep these sheets handy so we can contact you for the winners' details!

Name	Pupil number

YOUR CLASS ENTRIES



Name	Pupil number

Name	Pupil number

PLAN YOUR DATA SUPERHERO



Internet villains try to sneak into data centres, steal information and stop systems working!
Can you design a superhero to help a data centre run smoothly and safely?

How will your superhero help a data centre?

Tick the box. You can choose up to three!

- ☐ Keeping computers and servers running fast
- ☐ Keep data safe from cyber villains
- ☐ Making sure the data centre always has power
- ☐ Cooling so the computers don't overheat
- ☐ Helping the centre be more sustainable
- ☐ Making sure no one breaks into the building
- ☐ Solving problems quickly
- ☐ Other:

What superpowers could help?

Tick the box. You can choose up to three!

- ☐ Control of water / ice / weather (circle one)
- ☐ Flight
- ☐ Invisibility
- ☐ Mindreading
- ☐ Shapeshifting
- ☐ Super speed or strength
- ☐ X-Ray vision
- ☐ Other:

Superhero name ideas

Showcase their super skills!
Could you use alliteration e.g. Biometric Bel!

What else?

Make notes / sketch ideas.
How else could your superhero stand out?
Think gadgets, costumes, catch phrases!

DESIGN A DATA SUPERHERO COMPETITION ENTRY SHEET



Draw your superhero in the box and add labels to show:

- Your superhero's special power
- Any tools or gadgets, to help them do their job
- The colours / logo you chose, e.g. green for sustainability

My data superhero is called:

School name:

Class name:

Pupil number:



**THANK
YOU!!**

**TAKE THE DATA
SUPERHERO CHALLENGES!**
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