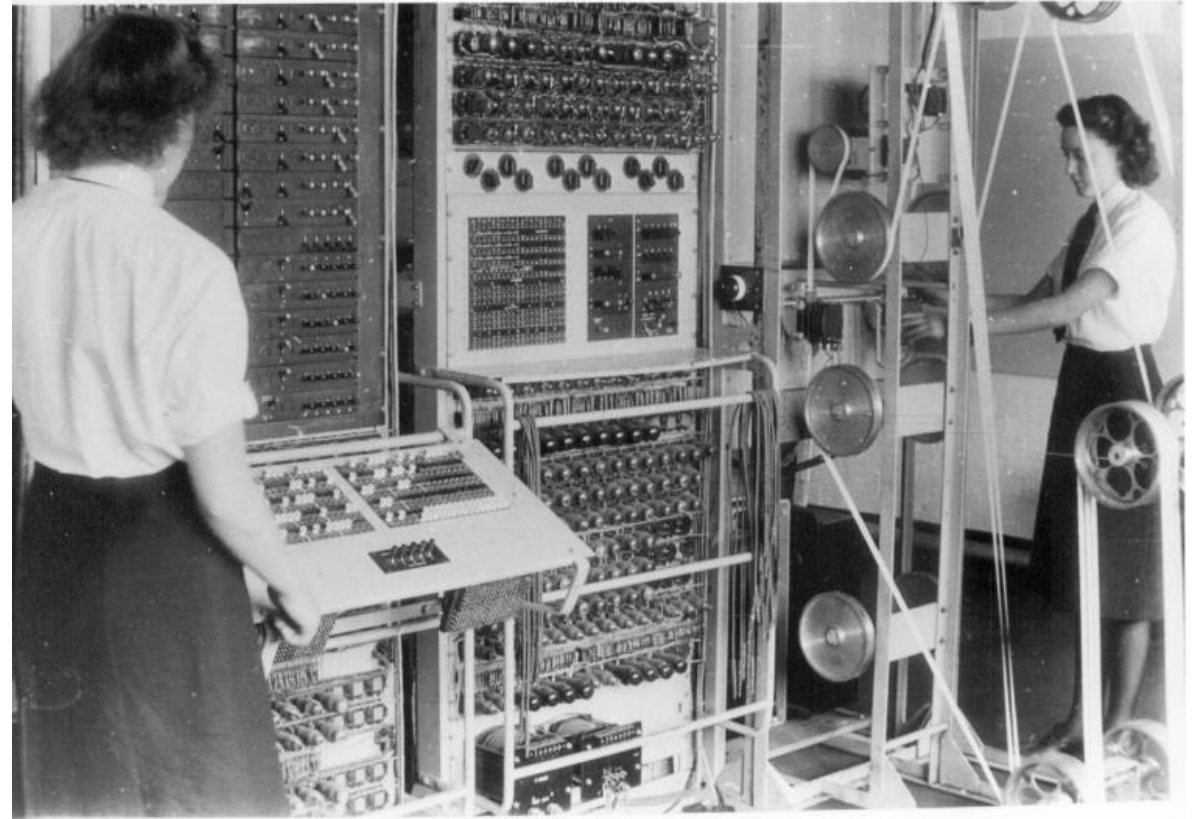


THE CIPHER Challenge

Communicating messages



What is the story?



GCHQ



rehpiC

AB	CD	EF
GH	IJ	KL
MN	OP	QR

ST	WX
YZ	

I LOVE you!
□ ΕΠ>L ΑΠ>!

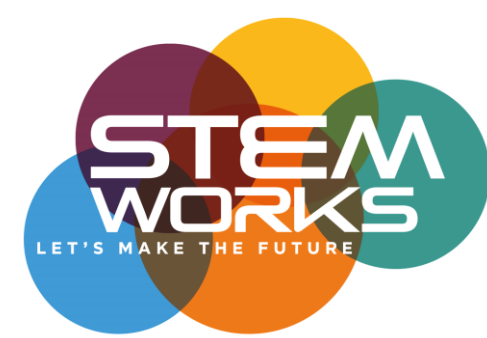
A┐
B┐

S✓
T✓

The scenario



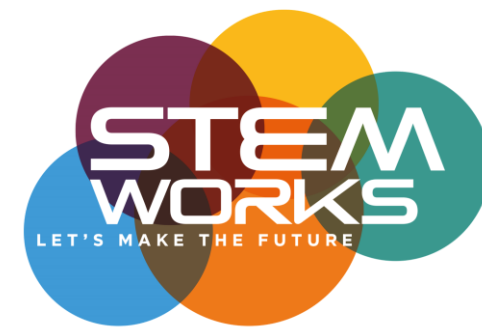
Your Cipher Challenge



- Send a coded message across the room
- Message will be 4 letters long
- Must build a communication tower that is higher than the trees (0.5 m)
- You will need to send a given message to your team
- Other teams can attempt to decipher your code
- You have limited materials
- **You are at the base of the tower so can only change things from the base**



To win ...



- You must send and accurately decipher a 4 letter message within 2 minutes
- Intercept and decode messages sent by other teams within 5 minutes
- Design and manufacture a communication structure (0.5 m minimum height) using limited materials



Maximum Materials and Letters



- dowel
- lamps
- battery packs
- wires
- coloured paper
- buzzers
- Post-it® notes

- square batten
- pegs
- split pins
- paperclips
- paper plates
- coloured wheels
- masking tape

- aluminium foil
- corrugated plastic
- art straws
- techcard
- elastic bands
- pipe cleaners
- string

A E O P H L R S T D