

Cy Bear at School

Keeping Safe and Secure Online

Written by Frances O'Neill & Illustrated by Sophie O'Neill



In today's digital world, helping children learn how to stay secure online is just as important as teaching them how to stay safe and secure in the outside world. As part of the Strategic Framework for a Cyber Resilient Scotland (2025-2030) the Scottish Government is committed to building a cyber resilient nation, and a key part of this is supporting young learners to understand the importance of passwords and passcodes as part of their digital literacy journey.

Just as we teach children to lock the doors to protect what matters most inside their homes, we can also help them learn how to create strong passwords and passcodes to protect their information online. This book brings these ideas to life through simple explanations, colourful storytelling and hands-on activities, supporting children to build confidence and good habits that will help keep their digital life secure.

This book has been developed in partnership with the Scottish Government's National Cyber Resilience Unit, Education Scotland and Story Learning - sincere thanks is given to everyone involved in its development.



Scottish Government
Riaghaltas na h-Alba



Cy Bear at School

Keeping Safe and Secure Online



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What We Will Learn Today

We're going on a fun adventure with Cy Bear and his best friend Cy Bee.

Together we will learn about keeping things safe and secure, like real superheroes.

We will learn about how padlocks, keys and security passes protect our school.



Cy Bear



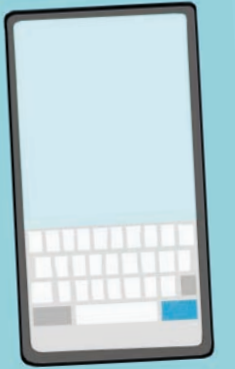
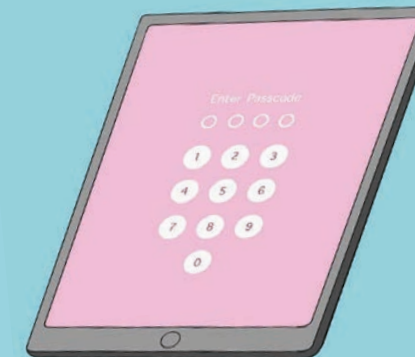
Cy Bee

We will learn how passcodes and passwords protect our tablets and computers.

Are you ready to become a Cyber Security Hero?

Then let's begin!

Yippee!



About Us

Hello friends! It's me, Cy Bear!

My favourite food is juicy blueberries. *Yummy!*

My very best friend is Cy Bee.
She is very brave and loves adventures.

Can you spot her buzzing in the book?



Buzz - there she is!

Cy Bee loves blueberry flowers.

When she finds them she does her
happy, wibbly-wobbly dance.

Buzz-buzz-boogie, wiggle-wiggle-woo!

I'm not just a super cute
bear who loves blueberries.

I'm a Cyber Security Hero.

Guess what?

We are coming to school with you today. Hip-hip-hooray!

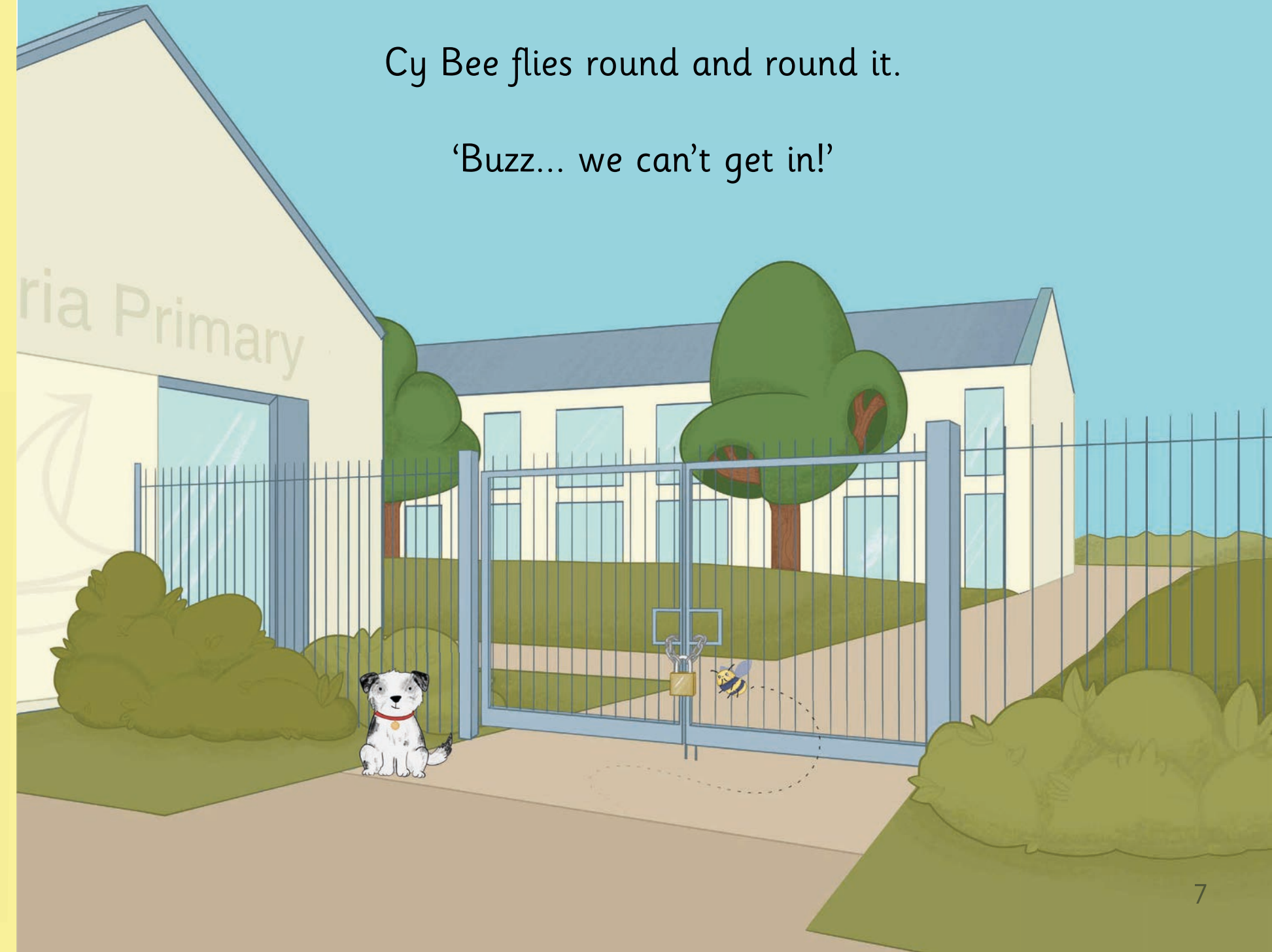
But oh no!

The big school gate is locked with a shiny padlock.



Cy Bee flies round and round it.

‘Buzz... we can’t get in!’

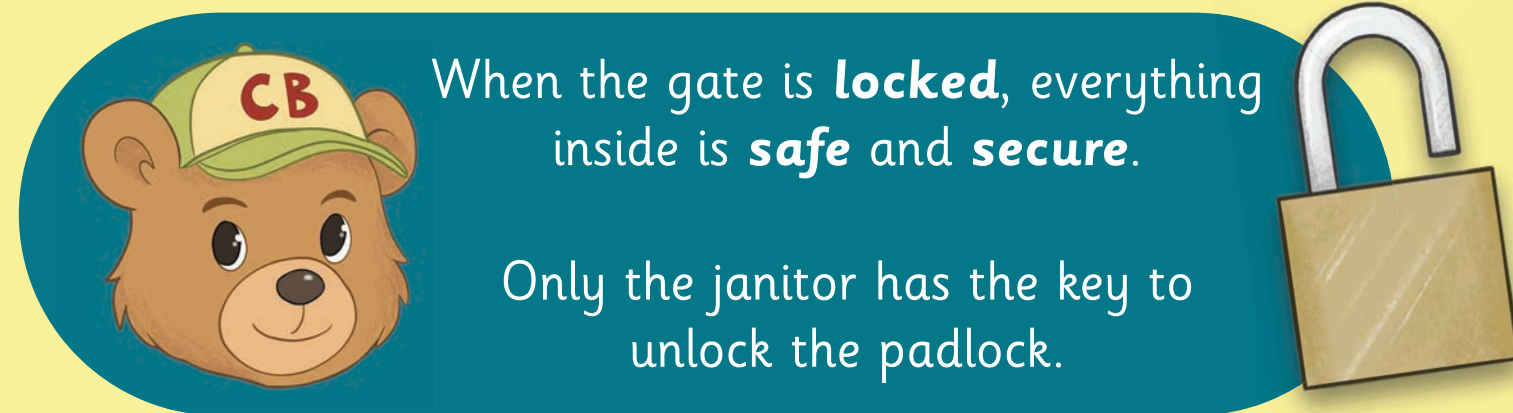


Here comes Miss Mac, the janitor with her padlock key.

She turns the key. *Clickety-clack!*
The padlock unlocks and the gate opens wide.

Cy Bee zooms through first.

Buzz-buzz-boogie, wiggle-wiggle-woo!



When the gate is **locked**, everything inside is **safe** and **secure**.

Only the janitor has the key to unlock the padlock.

We all race into the playground.



Ring-a-ding-ding!

The bell rings - it's time for class.

We line up outside the classroom.

But oh no - the door is locked!



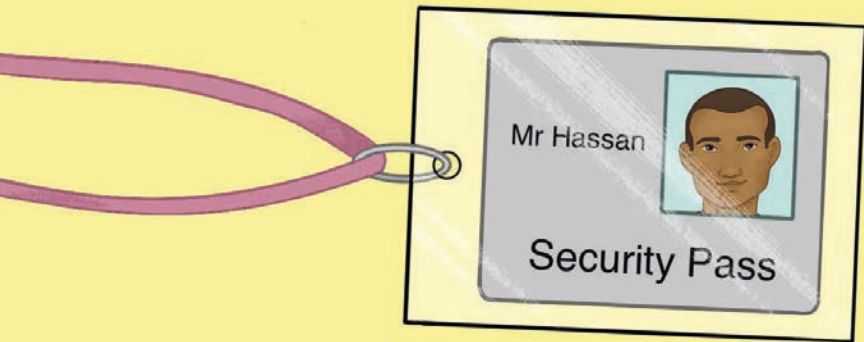
Cy Bee lands on
the handle and
pushes with all
her might.

'Buzz. We're
locked out!'

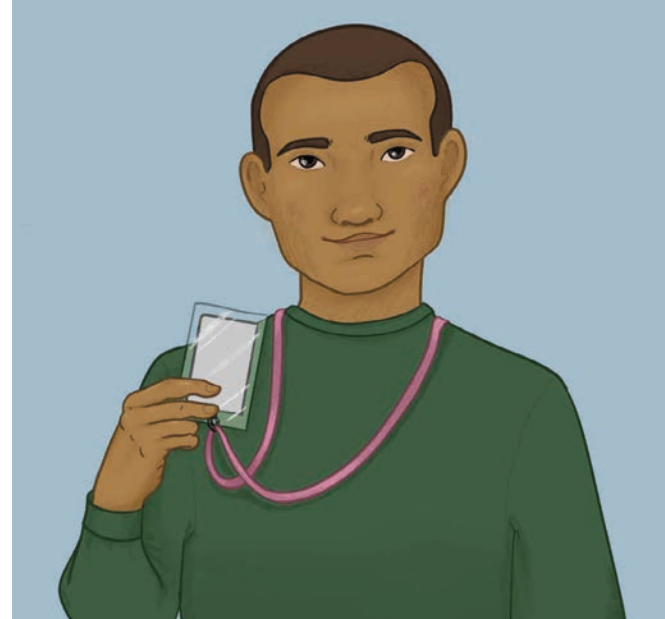


Mr Hassan, the teacher, arrives with his security pass.

‘Good morning, children.’



He waves the security pass at the lock. *Beep-boop-beep!*



When the door is **locked**, everything inside is **safe** and **secure**.

Only the teacher has the security pass to unlock the door.



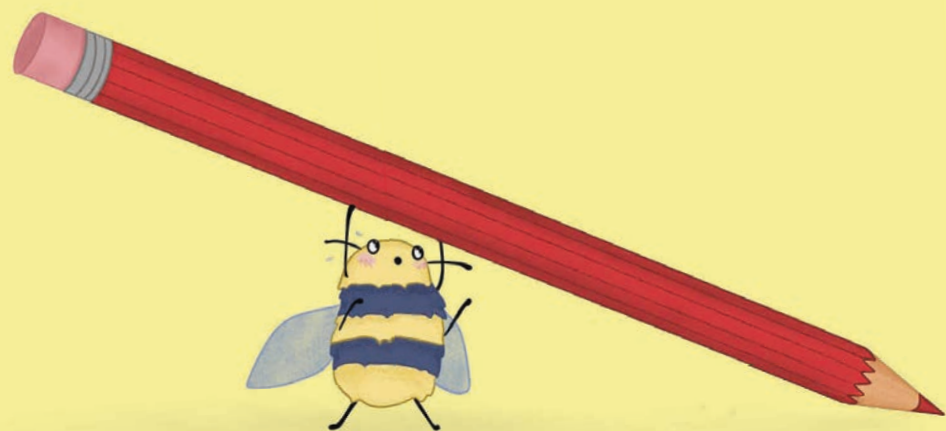
The door opens wide. Cy Bee flies around in loops of joy.

Buzz-buzz-boogie, wiggle-wiggle-woo!



In we go, ready to learn!

This morning we are
practising writing our names
so that we can make Cyber
Security Hero badges.



Time for a fun numbers game on the tablet.

But oh no - the tablet is locked!

Cy Bee taps the screen with her tiny legs.

Nothing.

‘Buzz. How do we get in?’



When the tablet is **locked**, everything inside is **safe** and **secure**.

Only the teacher has the passcode to unlock the tablet.

Mr Hassan smiles, ‘Only my passcode unlocks it.’

Tippy-tappy-tap, he types his passcode on the screen.



The tablet unlocks. Hello!

Now we can play our game. Hurray!

Cy Bear's Top Tips

Passcodes keep everything on our tablets safe and secure.

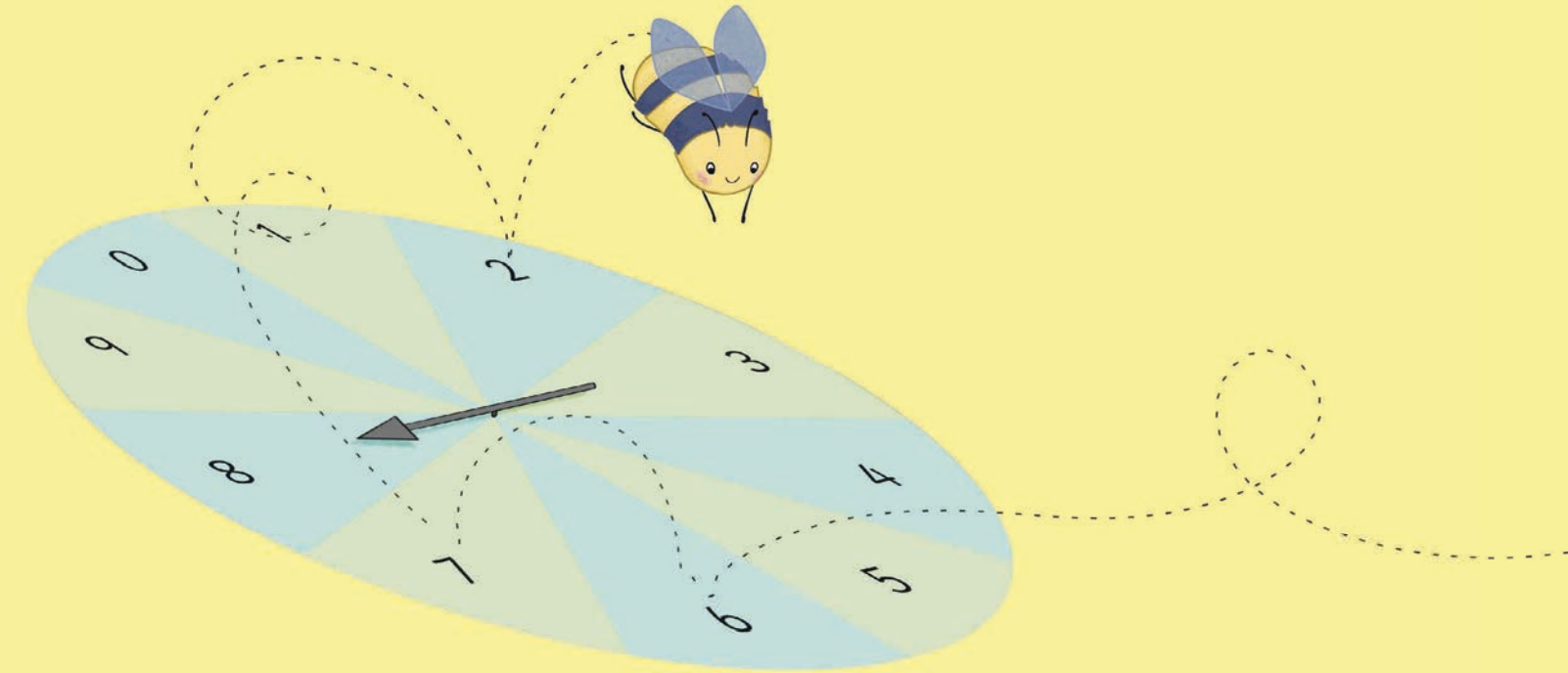
A passcode is made up of numbers.

A good passcode has 4 different numbers.



‘Cy Bee, can you think of 4 different numbers?’

‘Buzz, I’ll choose 4 different numbers from the number spinner.’



‘Buzz, 7 2 6 3.’

‘Yay, well done Cy Bee.’

My tummy goes roooaar!

It's time to choose our lunch on the big screen.

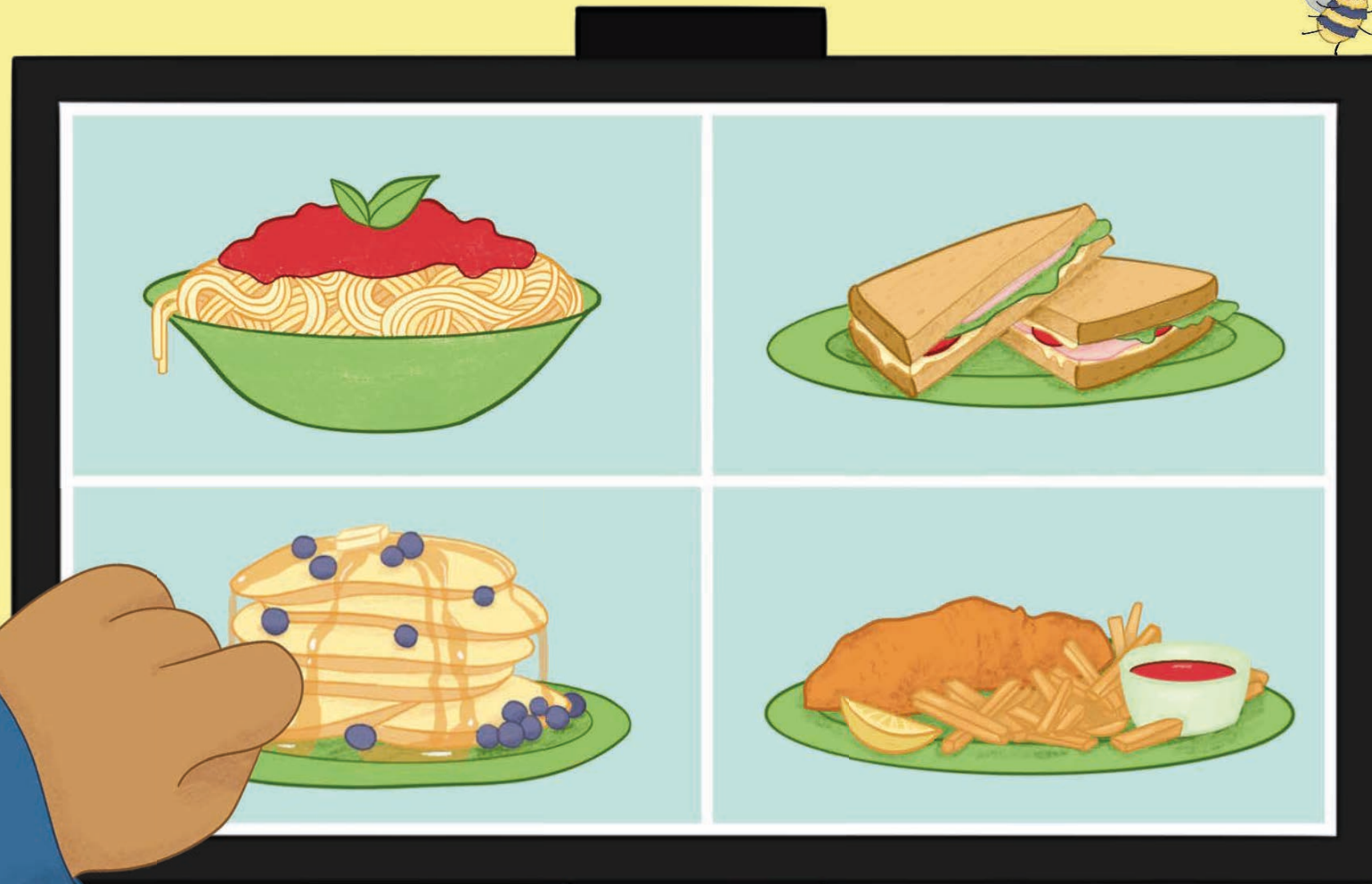
I hope there are blueberries on the menu.

But oh no - the screen is locked.



Mr Hassan needs to type his password into his computer.
Only he knows his password.

Ta-da! The big screen lights up.
Now we can see all the choices for lunch.



Cy Bear's Top Tips

A password keeps everything in the computer safe and secure.

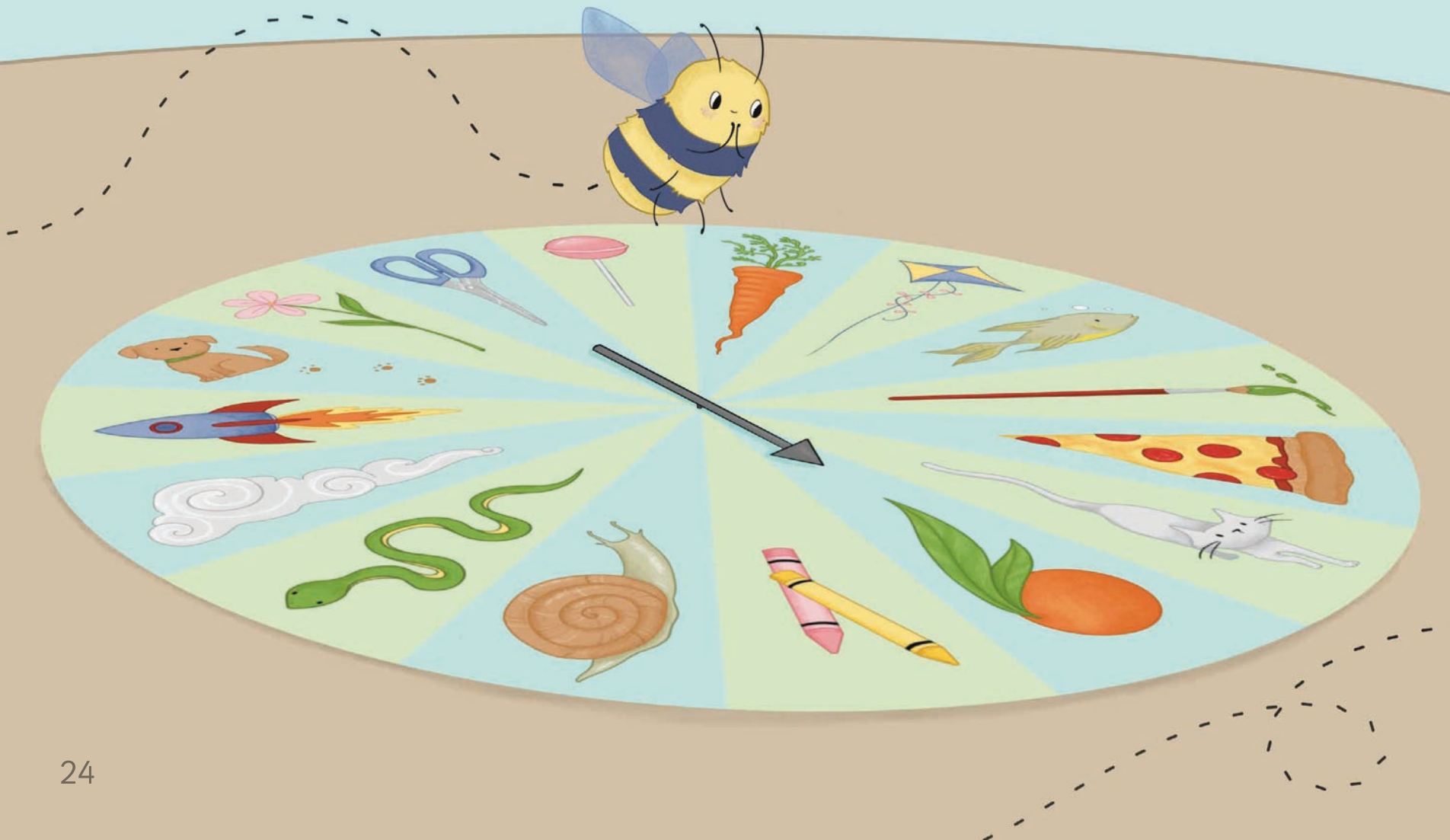
A password is made up of words.

A good password is made of 3 different words joined together.



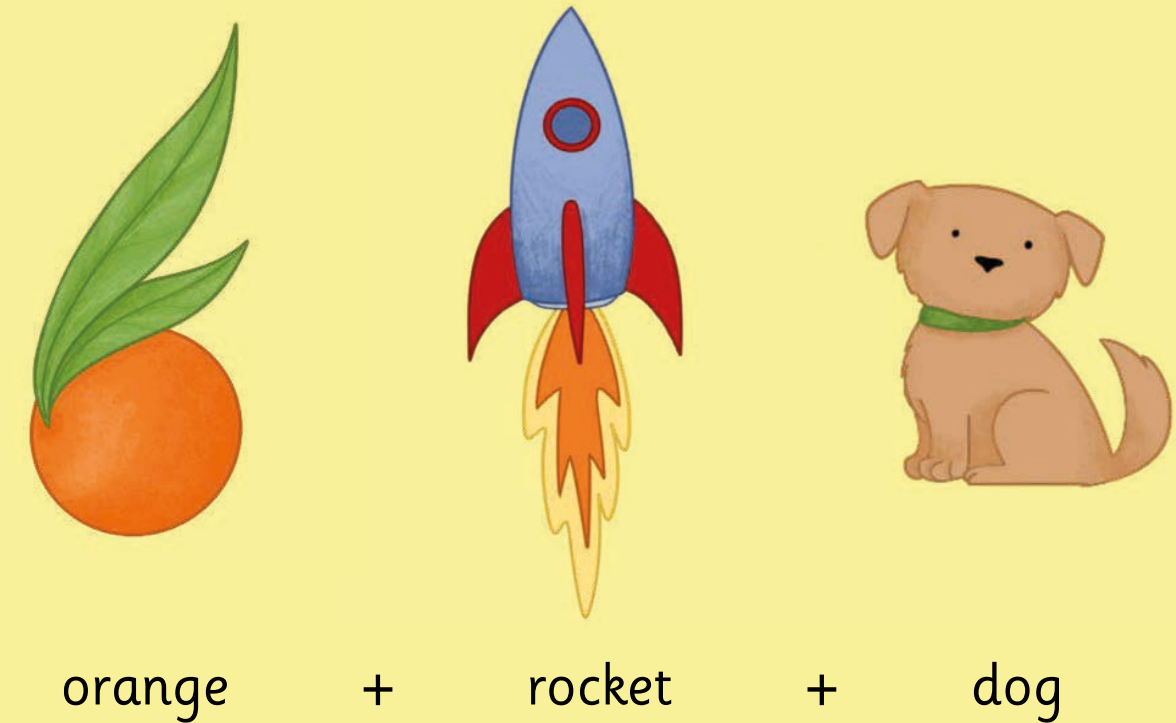
‘Cy Bee, can you think of a good password?’

‘Buzz, I’ll choose 3 different words from the picture spinner.’



‘Cy Bee, what 3 different words have you chosen to make your password?’

‘Buzz, here’s my password.’



password = orangerocketdog

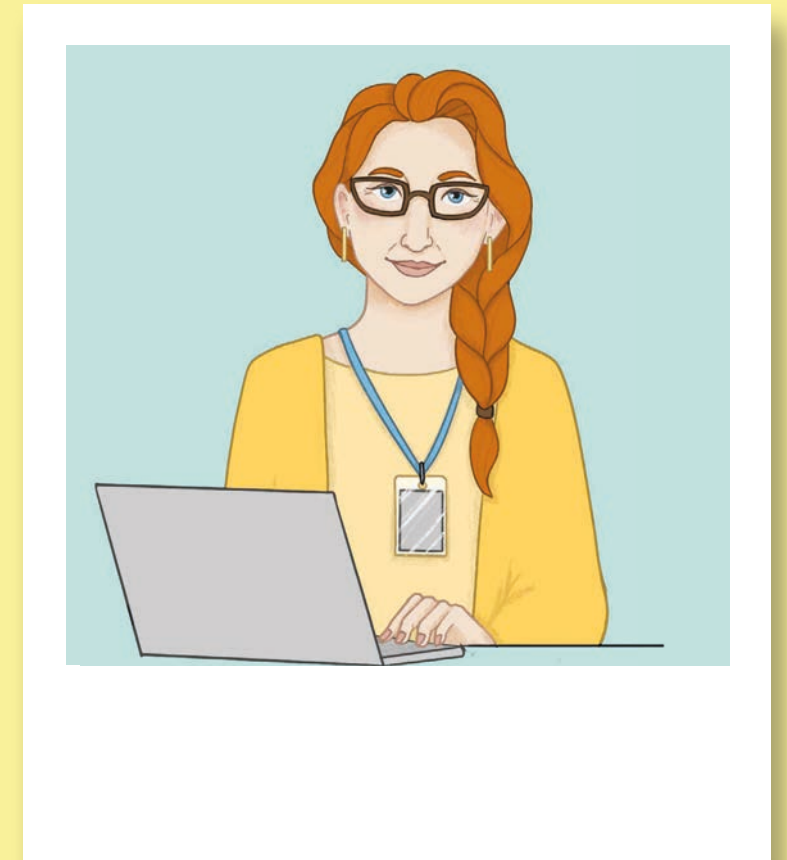


We're all in the big hall, ready to join an online story to celebrate Book Week Scotland.

But oh no - the big screen is locked!

Mrs Willow, the headteacher, comes to the rescue.

She types her 3 word password into her computer.



When the computer is **locked**, everything inside is **safe** and **secure**.

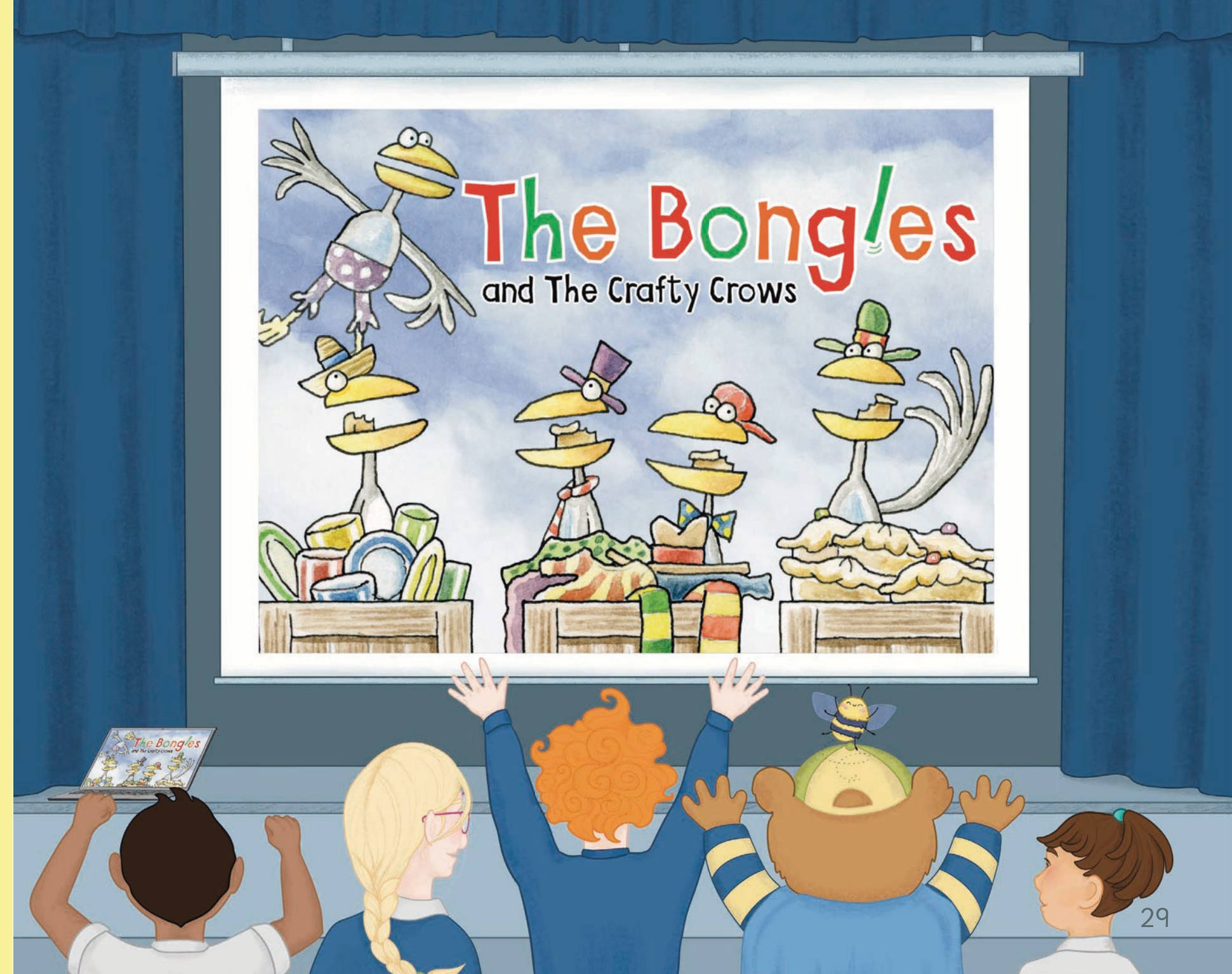
Only the headteacher has the password to unlock the computer.

The screen lights up!

Storytime - yay!

Cy Bee does her happy dance on my head.

Buzz-buzz-boogie, wiggle-wiggle-woo!



Cy Bear's Top Tips

Passwords are private.

Only share them with a grown-up you trust.

This will keep everything on your tablet
and computer safe and secure.



Now we are all Cyber
Security Heroes!

Give yourself a
big cheer.

Hip hip hooray!

Now you can make your
very own Cyber Security
Hero badge.

*Buzz-buzz-boogie,
wiggle-wiggle-woo!*



What an adventure we've had!

We've learned about how padlocks, keys and security passes protect our school.



We've learned how passcodes and passwords protect our tablets and computers.



Glossary

Cyber security - protecting your tablets and computers with passcodes and passwords.

Passcode - 4 different numbers to unlock your tablet.

Password - 3 different words to unlock your computer.

Safe - Not in danger.

Secure - To protect something.



Spinner Passcode Generator

Spin to create a 4-number passcode

Items you might use:

- a spinner/coin/dice
- the next page with numbers on

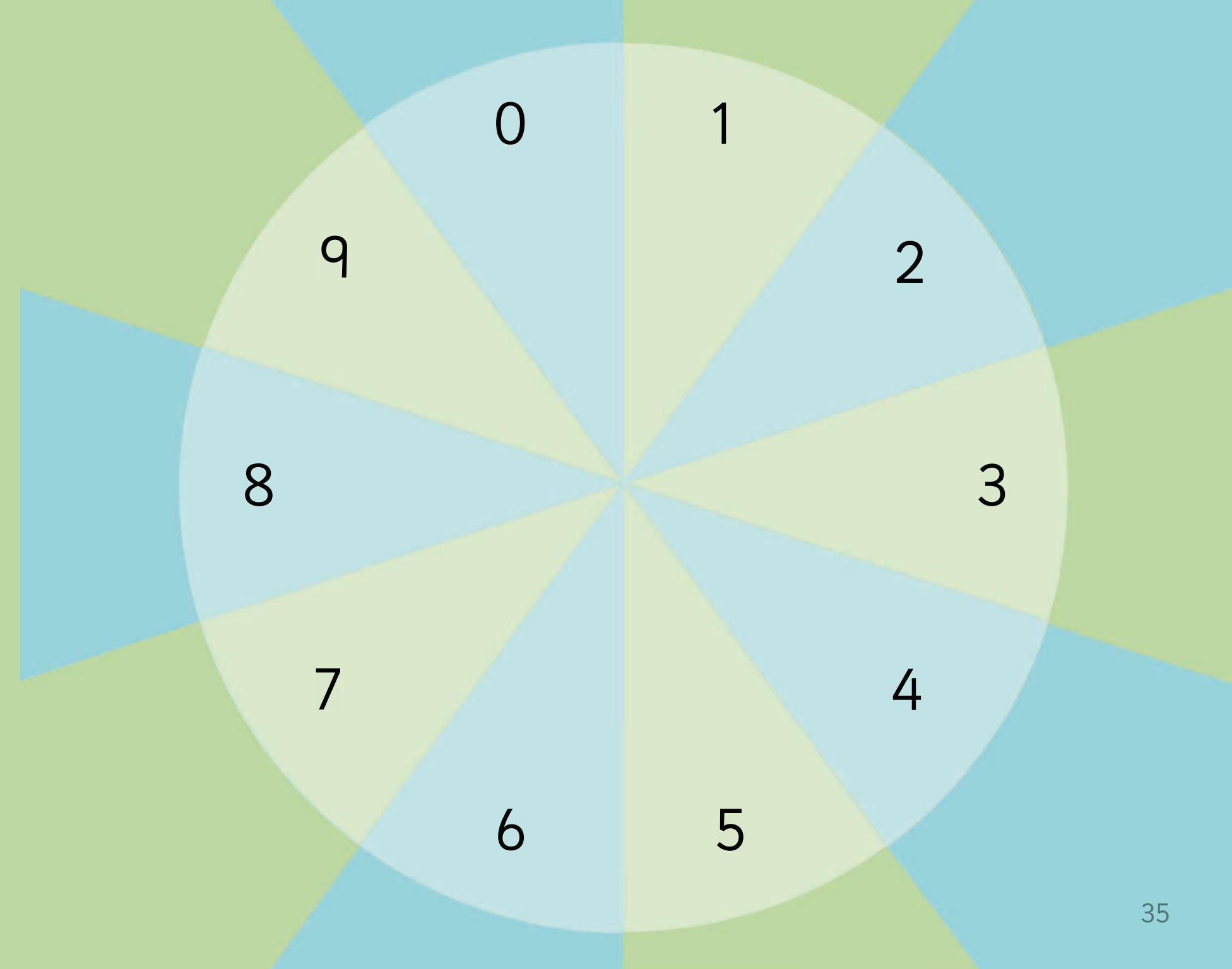
You could:

- use your spinner/coin/dice to land on 4 different numbers.
- write or draw your passcode to remember it.
- let a friend try to guess your passcode, then try to guess theirs.

Questions

Why is it hard for someone to guess your spinner passcode?

If you play again, is it hard to make the same passcode?



Spinner Password Generator

Spin to create a 3-word password

Items you might use:

- a spinner/coin/dice
- the next page of pictures

You could:

- use your spinner/coin/dice to land on 3 different pictures.
- write or draw your password to remember it.
- let a friend try to guess your password, then try to guess theirs.

Questions

Why is it hard for someone to guess your spinner password?
If you play again, is it hard to make the same password?



Cyber Security Hero Badge

Design a Cyber Security Hero badge

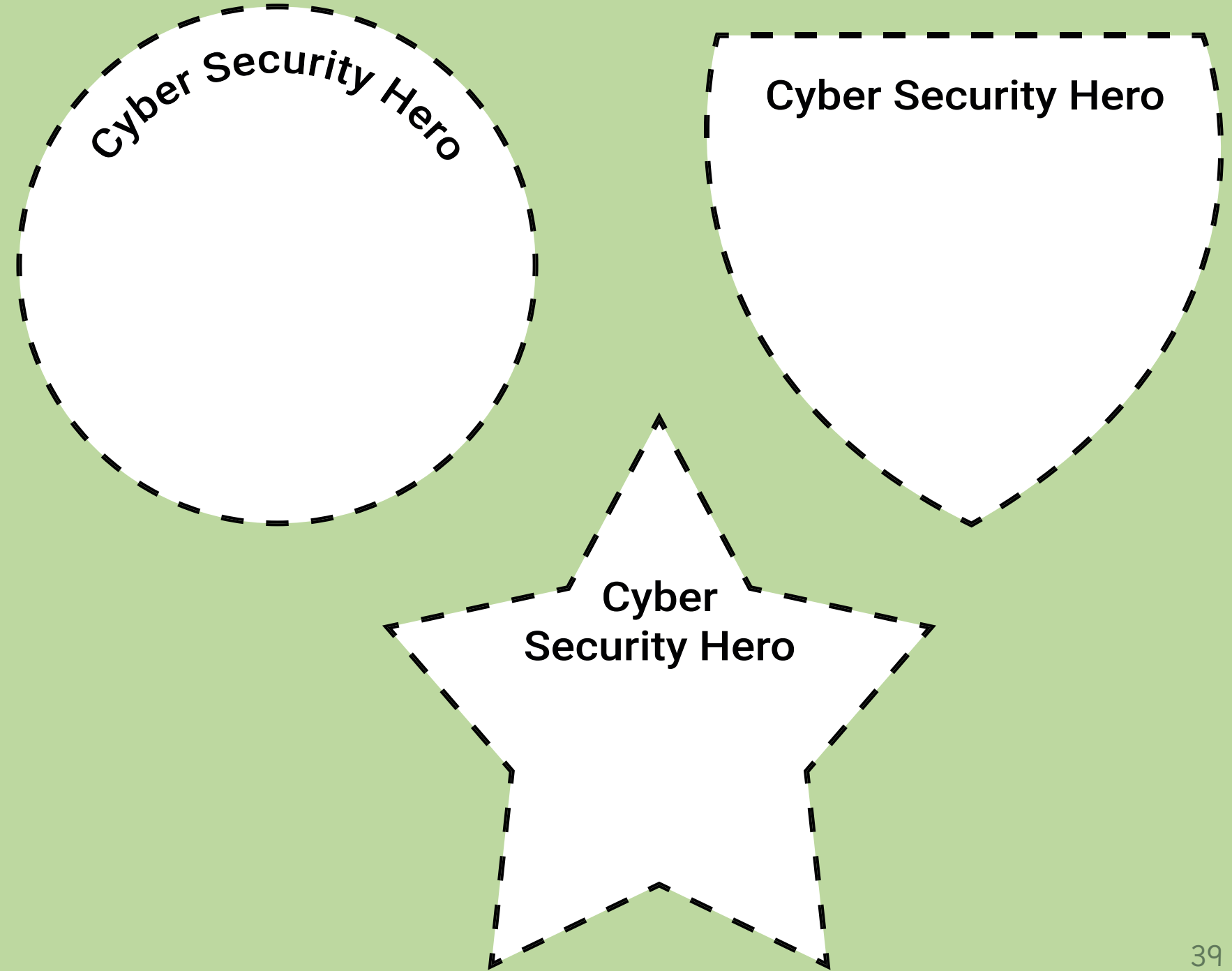
Items you might use:

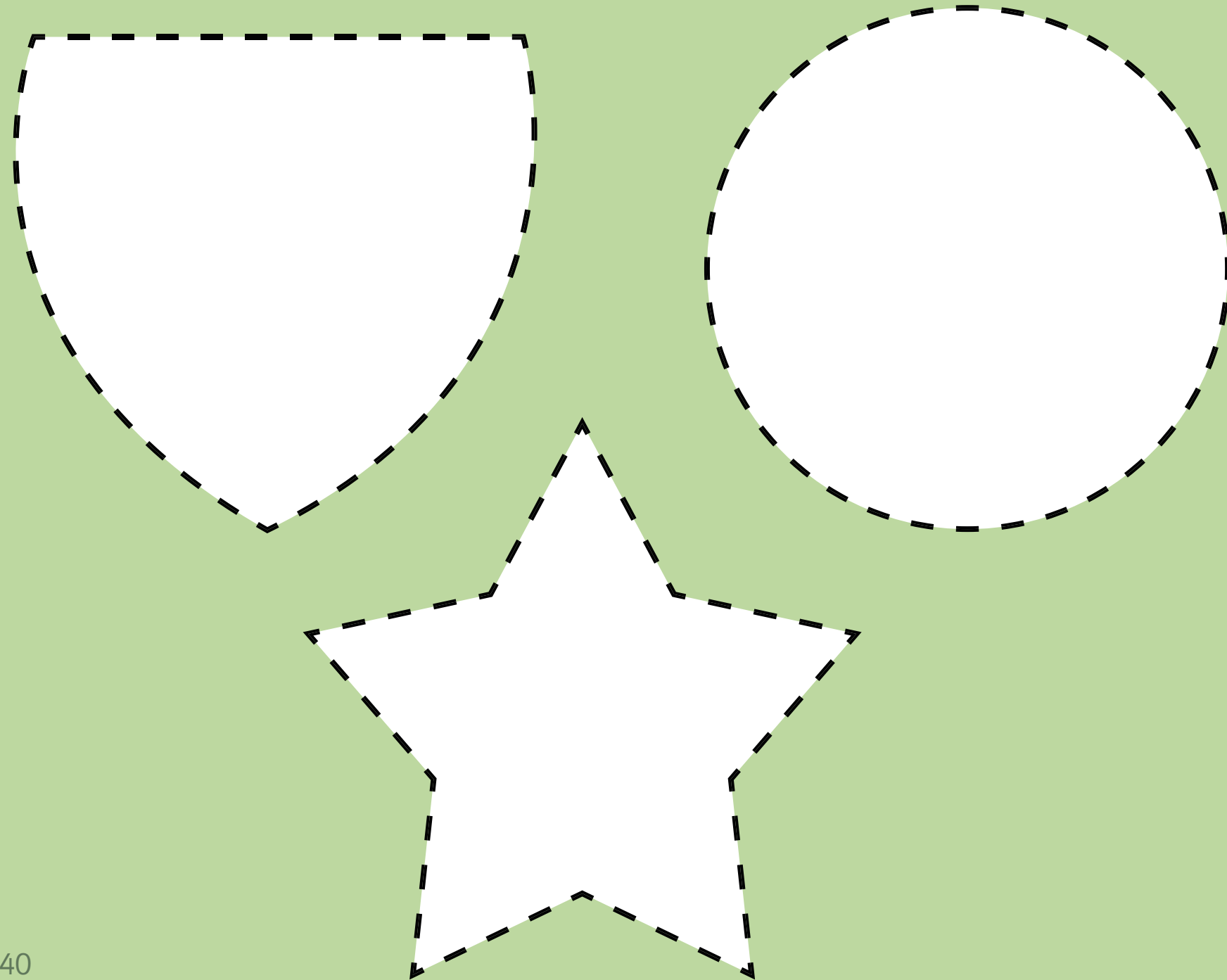
- stickers
- colour - pencils, pens, paint, glitter
- scissors

You could:

- think about what you have seen and learnt in this book.
- write your name on the badge.
- draw a design in one of the badge shapes.
- colour and stick on some of the other shapes.
- use scissors to safely cut out the badge.
- then wear your badge just like Cy Bear!

You're a Cyber Security Hero!





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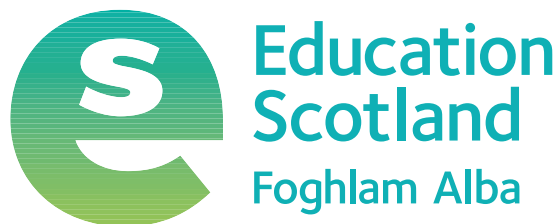
ISBN 978-1-80775-344-3

Join Cy Bear and his best friend, Cy Bee, on a buzzing adventure through school as they teach the basics of cyber security.

From the playground to lunchtime to storytime, there are lots of 'oh no!' moments - all solved with teamwork and good ideas.

A fun, friendly story that turns every child (and bee!) into a real Cyber Security Hero.

Perfect for little learners aged 4-7. Hip hip hooray!



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