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# HTML HEROES

## Welcome to the Internet

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# The HTML Heroes short story book has been created by Webwise to help teachers educate 1st and 2nd class pupils about online safety.

## About

Through five short illustrated stories pupils will learn the basic skills for being safe and secure online, including why it is essential to *STOP, THINK, CHECK* when accessing the digital world. The stories in this book are supported by five lessons and a teacher handbook available to access for free at [webwise.ie/html-heroes](http://webwise.ie/html-heroes).

The HTML Heroes Programme has been designed for teachers of 1st and 2nd class to introduce pupils to the first steps of accessing and using the internet in a safe and responsible manner. The resource has five topic-based lessons that can be explored separately or delivered as a whole unit. The lessons explore using the internet safely, communicating online, playing and learning online, getting help and support.

## About Webwise

Webwise is the Irish Internet Safety Awareness Centre, part of the Professional Development Service for Teachers, a Department of Education funded support service. Webwise is co-funded by the Department of Education & Skills and co-financed by the European Union's Connecting Europe Facility.

# Contents

## Introduction:

**Meet the HTML Heroes 4**

## Story 1:

**Dolly and the internet 6**

## Story 2:

**Jimmy the Jigsaw Piece 14**

## Story 3:

**Andy Ambulance Loves Castles 24**

## Story 4:

**Dolly Video Calls her Granny 30**

## Story 5:

**Archie and the Two-Headed  
Lizard King 36**

*The contents of this booklet are the sole responsibility of the Professional Development service for Teachers and do not necessarily reflect the opinion of the European Union.*

## Meet the HTML Heroes

The HTML Heroes are two close friends, Archie in green and Ruby in purple. They are two cheery USB keys who think they know it all – but they actually have a lot to learn.

Ruby and Archie come to life when the classroom empties out and have the ability to travel through the internet. The HTML Heroes online adventures take them through the world wide web where they learn all about being safe online.

### What is a USB Key?

A small portable memory device that can be plugged into many different types of computers. A USB key allows for information to be easily stored and transferred between different devices.

### What does HTML Mean?

Hypertext markup language, or HTML. This is a type of code or language used to create websites and apps.

### How do Ruby and Archie connect to the internet?

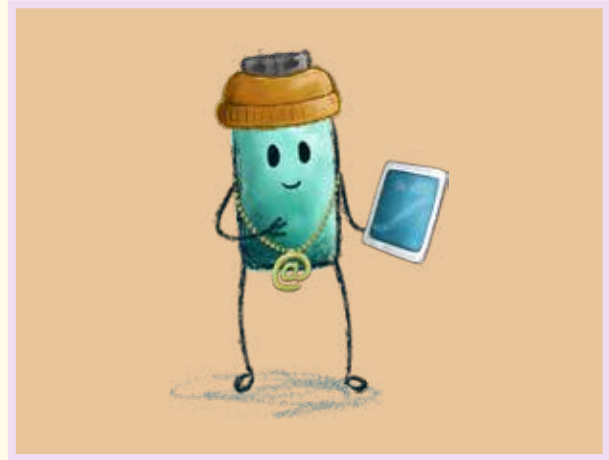
The HTML Heroes connect to the internet using a computer or device such as a tablet. The HTML Heroes like many humans use the internet to explore, learn, and play. That's how the HTML Heroes know the best tips to help keep you safe online.

This programme contains five short stories featuring Archie, Ruby and some new friends from the classroom. Ruby and Archie will use their inside knowledge of the internet to help these newcomers have fun and stay safe while exploring the online world for the first time.

# Meet the HTML Heroes storybook characters



The HTML Heroes



Archie



Ruby (also known as Ruubs)



Dolly



Jimmy the Jigsaw Piece



Andy Ambulance

1

# Dolly and the internet





Dolly lived on a shelf of toys in Classroom 2. As soon as the children and teacher had gone home, she opened her eye and glanced around. The place looked the same as always, except for one thing. The teacher had forgotten to take home her laptop. She had left it on her desk.

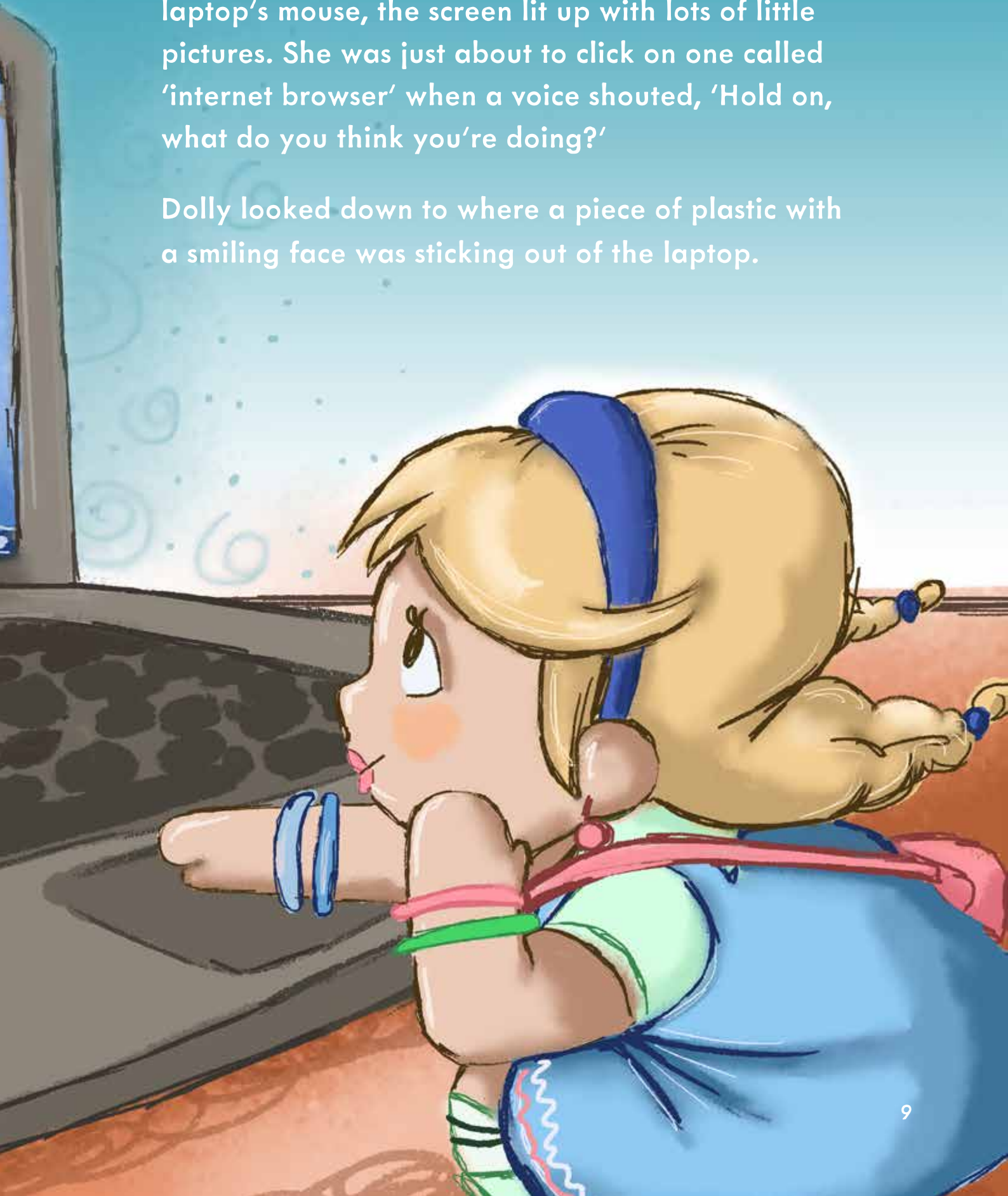
During class, Dolly had often heard the teacher talk about using this laptop to connect to something called the internet, but Dolly didn't really know what that was. This was her big chance to find out.



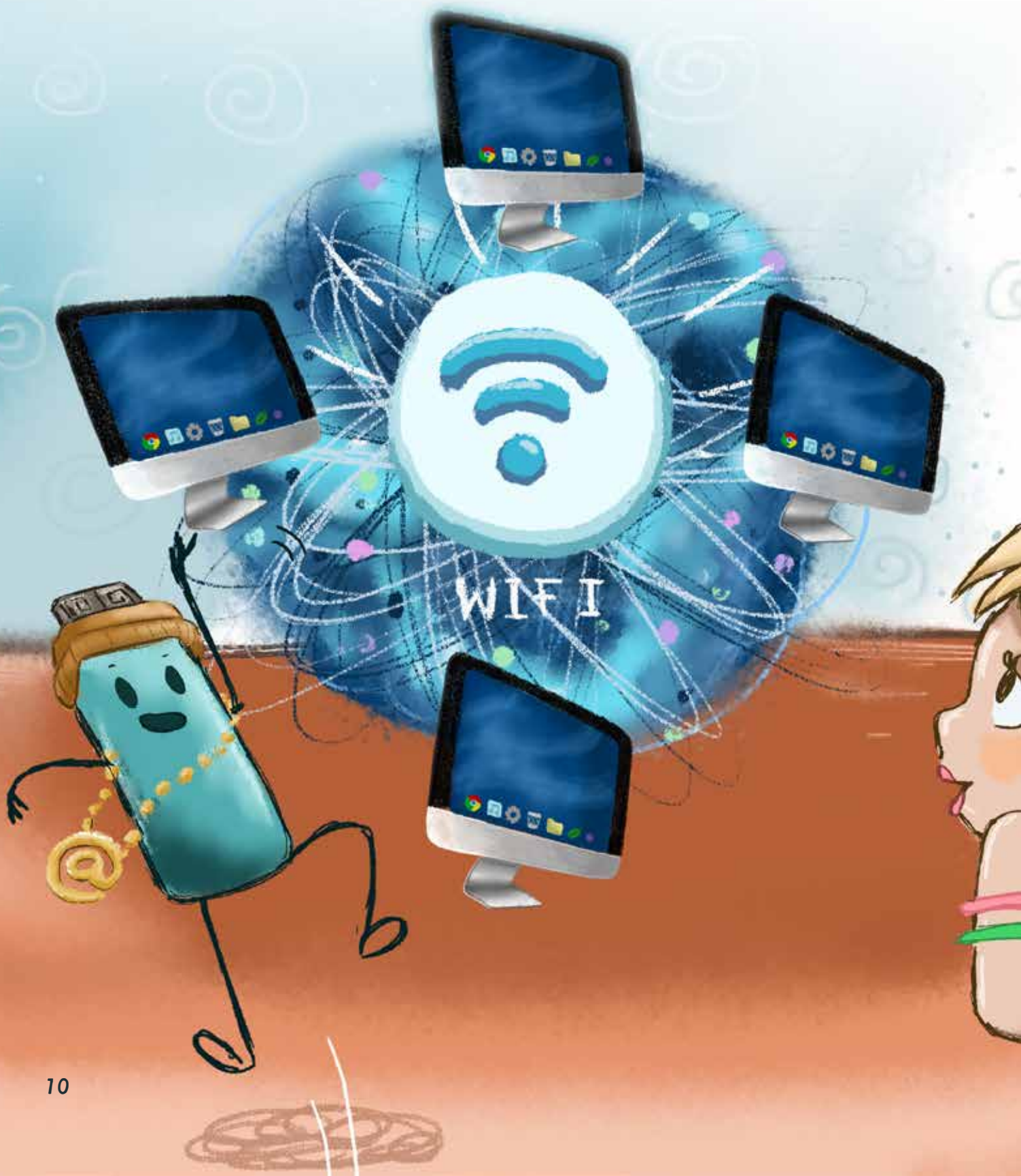


Not wanting to wake the other toys, she tiptoed along the shelf and hopped down onto the teacher's desk. When she put her hand on the laptop's mouse, the screen lit up with lots of little pictures. She was just about to click on one called 'internet browser' when a voice shouted, 'Hold on, what do you think you're doing?'

Dolly looked down to where a piece of plastic with a smiling face was sticking out of the laptop.



**'Just let me unplug myself,' said the piece of plastic, before hopping out. 'The name's Archie – the coolest 16 gigabyte USB you'll ever meet.'**



Dolly had no idea what that meant. 'Pleased to meet you. My name is Dolly. I was just going to use the internet.'

'The internet is a cool place, Dolly, but you need permission before going there.'

'It's an actual place?' she asked.

'It's more like a web of computers, all joined together by wires,' said Archie.

Dolly looked down at the laptop. 'I don't see any wires.'

'That's because this laptop is connected to the web using Wi-Fi, which means wires are not needed.'



Archie clicked on the internet icon, and a blank white box appeared on screen.

'This is a search engine,' said Archie. 'You just type in what you're looking for.'

'I'd like to find out more about myself,' she said.  
'I'm a Dolly Happy-Face, model 3A.'

Archie hopped from letter to letter on the keyboard, typing the words into the search engine. When he pressed 'enter' lots of information and pictures appeared on screen. Dolly found out that she had been made in America and only a limited number of her model were actually sold. She also discovered that she had a granny living in America.

'It says here, that you're a collector's item,' said Archie.  
'You're worth a lot of money.'





Because she only had one eye, Dolly had always thought she wasn't worth anything. She couldn't wait to tell the other toys she was a "collector's item". After that, they watched a video about a dolls' hospital in Dublin, and they played a game called Attack of the Zombie Teddy Bears.

'I think we've spent enough time online,' said Archie. 'I hope you learned how much fun the internet can be?'

Dolly nodded. She also learned that there is so much to see and do on the internet that it's easy to get lost. That's why kids should always check with an adult before going online or checking out something new.

She said goodbye to Archie, and climbed up the shelves, happy to see the other toys waving down at her. She couldn't wait to tell them about the internet.

2

# Jimmy the Jigsaw Piece





**Jimmy the Jigsaw Piece sat on a shelf in Classroom 2, listening to Dolly tell the other toys what she'd learned about herself on the internet.**

**'I'd like to find out more about myself,' said Jimmy, hopping forward. 'Maybe the internet could help.'**

**Dolly nodded in sympathy. She knew Jimmy was part of a 35 piece puzzle, but had become separated from the other 34.**

**'It's worth a try,' she said. 'There's a USB down there who will help you. He's called Archie.'**





Jimmy nodded and hopped down onto the teacher's desk, where he saw a plastic USB sticking out of the laptop.

'Excuse me,' he said. 'Are you Archie?'

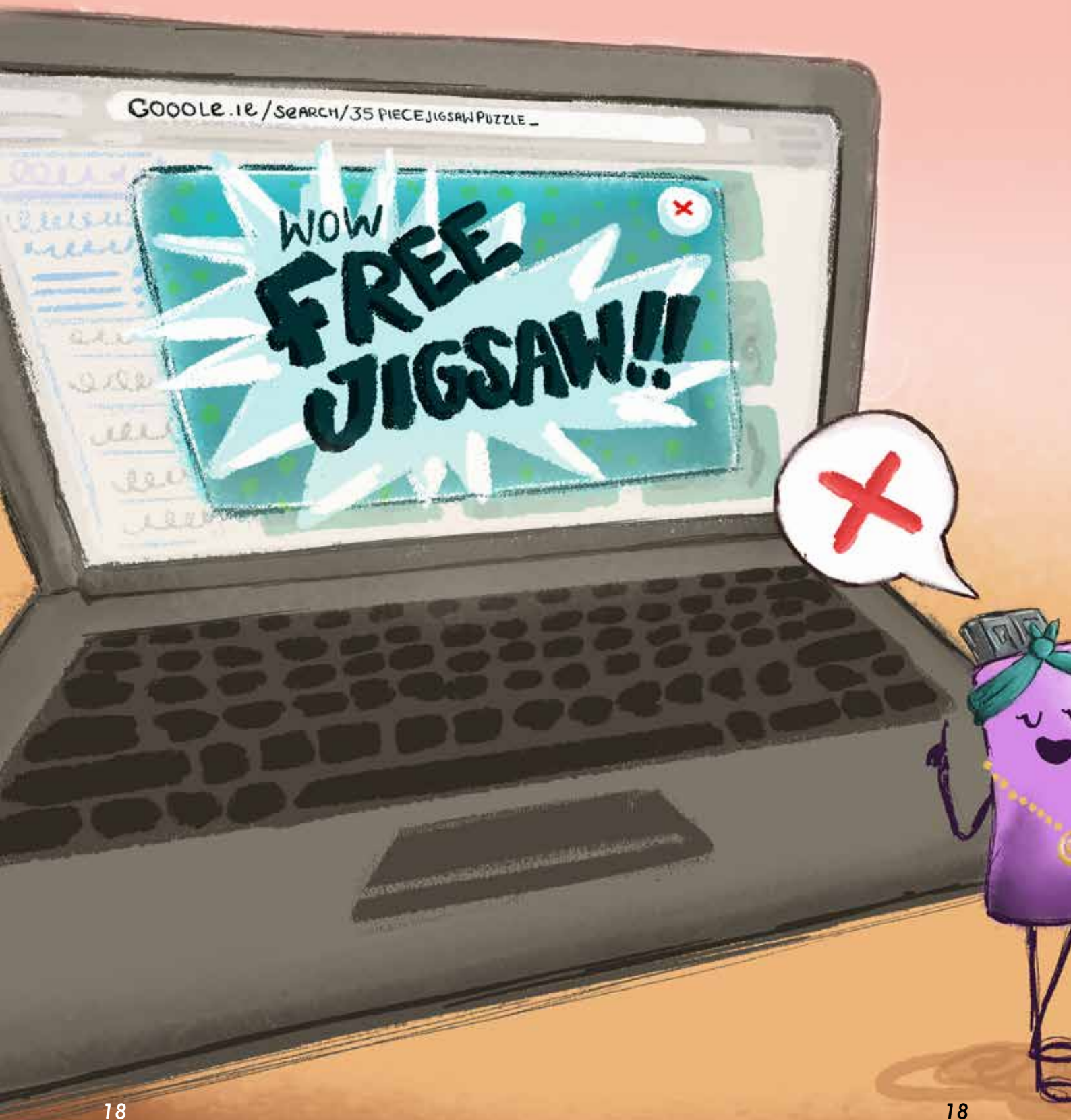
The USB jumped out of the laptop. 'I'm Ruby, Archie's friend. Can I help?'

'I'm Jimmy, and I'd like to use the internet, please.'

'Thank you for asking,' said Ruby. 'It's always important to ask for permission before connecting to the internet.'



She clicked on the internet browser and brought up a search engine on the laptop screen. 'What should we search for?'



Jimmy thought about this. 'Type in, I'D LIKE TO SEARCH FOR 35 PIECE JIGSAW PUZZLES PLEASE.'

Ruby laughed. 'You don't need to type all of that, Jimmy, just keywords. These are the most important words to help you find exactly what you are looking for.'

She hopped onto the keyboard and typed, '35 PIECE JIGSAW PUZZLE' into the search engine. A list of results appeared on screen, including a pop-up advertisement, saying, 'Click here to win a free jigsaw puzzle.'

'Cool!' said Jimmy. 'Click it.'

'Not so fast,' said Ruby. 'Clicking on pop-up ads is not a good idea. They often want you to buy something or might take you to an unsafe website.'



Jimmy frowned.

'How can a website be unsafe?'

'Well, it might contain nasty images or videos, ask for personal details or even put a virus on your computer.'

'So, how do I know if a website is safe?' asked Jimmy.

'Let me show you,' said Ruby.

First, she closed the pop-up ad by clicking the X button. Then, she clicked on one of the search engine results and a website about jigsaws appeared on screen.

'There are three ways to know that this is a safe website,' she said. 'Number one, it shows a padlock icon at the beginning of the web address.' She pointed it out. 'Number two, the web address has a letter s after the http. Can you guess what the s stands for?'

'Secure?' said Jimmy.

'That's right, Jimmy. The s is for secure, which is another word for safe.' Jimmy nodded.

'And number three,' said Ruby. 'Check if the website has a postal address and phone number to show that it is run by real people from a real place.'



'And does this one?'

'Yes,' said Ruby, showing him the website's ABOUT page and CONTACT page.

'So, it's safe to use?'

Ruby smiled. 'Yes.'



1



HTTPS  
Secure

2

3

ABOUT  
CONTACT

GOOGLE.IE/SEARCH/35 PIECE JIGSAW PUZZLE



Jimmy spent ages looking at pictures of different jigsaw puzzles. He gasped when he saw himself in one. It was a picture of three children building sandcastles on a sunny beach. They all looked so happy.

'You found what you were looking for?' asked Ruby.

Jimmy nodded. 'My life has always felt incomplete, and even though I'm still missing my other 34 pieces, I now know what we'd all look like when we're put together.'

'Happy?' suggested Ruby, nodding at the picture on screen.

'Yes,' said Jimmy. 'Happy.'



3

# Andy Ambulance Loves Castles





The children in Classroom 2 had been drawing and painting castles as part of their art class. When everybody had gone home, the toys on the shelf above the teacher's desk came to life. 'I wish I could draw a castle,' said Andy Ambulance.

'I don't know anything about art,' said Dolly, 'but you could try the internet. Archie or Ruby will help you.' She pointed at the laptop on the teacher's desk, below.

Andy put on his siren and flew down to the desk. He could see a USB with a face on it, sticking out of the laptop. 'Are you Archie or Ruby?' he asked.

The USB unplugged itself from the laptop. 'I'm Ruby. Archie is my friend. How can I help?'

'I want to learn how to draw a castle. Can I use the internet?'

'Sure,' said Ruby. 'And thank you for asking. You should always ask before connecting to the internet.'



Ruby clicked the internet browser icon on screen, and a search engine appeared. She hopped from key to key on the keyboard until she found what she wanted. Together, they watched an art video, which showed how to draw a simple castle.

‘Now, let’s see if you can do it,’ said Ruby.

Andy Ambulance flashed his headlights across the desk. ‘We don’t have any art materials.’

‘No problem,’ said Ruby. ‘We can make some digital art.’ She went to a website where you could download apps.

‘An app is a programme that lets you create, play or communicate on a device,’ she explained.

‘Cool,’ said Andy.



Ruby downloaded an art app that let you draw things on screen and colour them in by clicking on different colours. Andy spent ages drawing and decorating his castle.

'That looks amazing,' said Ruby.

'Let's print it out.'

She clicked PRINT and Andy's picture came out of the printer. He couldn't wait to show his friends. After that, they used another app to build a 3D castle on screen. They did this by stacking blocks on top of each other.



'This is so much fun,' said Andy. 'Can we see if there are any castle games to play?'

'Sure,' said Ruby, returning to the app store.

'Click that one!' shouted Andy, pointing at the screen excitedly. 'Castle Attack!'

'Not so fast,' said Ruby. 'Not all games are free – some cost money, and sometimes it can be hard to tell which games are free. That's why you should always check with an adult before downloading. We should also check the age rating of a game or app before downloading it to make sure it is just right for kids to play. So always remember to STOP, THINK and CHECK before you click.'

'Got it,' said Andy. 'STOP, THINK and CHECK.'





Instead, Ruby discovered a free Castle Puzzle game in which you had to open gates to escape from a castle. Before downloading the game, Ruby checked the age rating. It was for children aged 7 years old and up – just right for Andy! After playing for a while, Andy said, ‘That was so much fun, but I can hear the toys playing Hide and Seek on the shelf. I think I’ll join them.’

‘Good idea,’ said Ruby. ‘Playing online is fun, but not as much fun as playing games in the real world.’

‘Thanks Ruby,’ said Andy, grabbing his castle picture, and zooming back up to the toy shelf with his siren lights flashing.

4

# Dolly Video Calls her Granny



When Dolly saw Archie watching his favourite cartoon on his tablet, she decided to ask him if she could use it. Ever since she'd discovered that she had a granny in America she'd been emailing her. At first, Dolly hadn't even known what an email was but Archie had explained.

'Email is short for electronic mail,' he'd said. 'It's basically like sending a letter in the post, but the letter is electronic and travels on the internet.'

Dolly went down to the teacher's desk, where Archie was.

'Hi Archie,' she said. 'Could I use your tablet to send Granny an email? It's her birthday next week and I want to send her some photos of myself and Ruby.'



'No problemo,' said Archie, pausing his game. 'Wouldn't it be nice to video call her for her birthday?'

'What's a video call, Archie?'

'It's like a phone call, but you can see the person you are speaking to.'

'Cool,' said Dolly. 'How do we do it?'

'First, we must arrange a date and time with your granny.'

Dolly typed up an email. She asked her granny if she'd like to do a video call on her birthday. With Archie's help, she included an electronic invitation. All her granny would have to do is click on the link. Before pressing send, Dolly typed in her granny's email address and attached some photos of herself and Ruby.





The next day, Dolly received a reply from her granny saying that the date and time for the video call suited her, and that she was really looking forward to it.

On the morning of Granny's birthday, Dolly was so excited.

'Can I borrow your tablet to do the video call?' she asked Archie.

'Yes, but you should do it here, where there is an adult present.'

'But you're not an adult, Archie.'

'No, but they are.' He waved at his parents who were having their breakfast, nearby.



When Dolly's granny appeared on screen, Dolly nearly burst with excitement. It was almost like being in the same room as her granny.

'Happy, birthday, Granny!'

'Oh, thank you, my dear,' replied her granny.  
'And thank you for the lovely photos you emailed me.'

'I'm sorry I didn't get you a birthday present.'

'This is better than any birthday present,' said Dolly's granny.

They had a long chat and agreed to do it again the following week.



'That was so cool, Archie,' said Dolly, when she'd finished the call. 'Does this mean I can video call anybody in the world?'

Archie shook his head. 'You should only call people that you know.'

Dolly nodded. 'I'm already excited about my next video call with granny. I think I'll sing that song for her, the one you and Ruby are always singing.'

'Stop, Think, Check?'

'That's the one. Will you teach me, Archie?'

'Let's do it now,' he said.



5

# Archie and the Two-Headed Lizard King







Archie had become really good at the game, ROBO WARRIORS. He'd unlocked platinum armour and turbo-powered plasma blasters. At the end of each level there was always an alien boss to defeat, and until now, he'd beaten them all without a problem.





However, no matter how hard he tried, he couldn't defeat the Two-Headed Lizard King. Archie was so determined to succeed that he played the game non-stop, for hours on end. When he was asleep, he dreamt about it, and felt exhausted the next morning.

He even played it at breakfast time.

'Put that game away while you're eating,' scolded his mother, but Archie continued to play it underneath the table.

He played it while doing his homework, and made mistakes with his maths.

'That's not like you,' said Archie's teacher. 'Is everything okay?'

Archie nodded, though he wasn't sure everything was okay. When Dolly and Jimmy the Jigsaw Piece called down to play, Archie didn't even look up from the screen.

'I'm busy!' he snapped at them, and they returned to their shelf, disappointed.

Even when his best friend, Ruby, asked him to help her with a school project, he said, 'No!'

'Why not?'

'I'm playing a game!'





Ruby was angry. She whipped the tablet out of Archie's hands. 'I'm your friend. Surely, I'm more important than this game? You used to be fun, Archie – you used to play football, go cycling, and climb trees. Now, all you do is play this game. If you keep this up, you'll have no friends.'

Archie put his head in his hands. He felt tears well up in his eyes. He'd let everyone down, but most of all, he'd let himself down.

'I'm sorry, Ruubs,' he sobbed.

'That's okay, Archie. Why don't we put this game away for a while?'

Archie nodded and helped Ruby with her history project about her grandparents, who were floppy disks. She stayed at Archie's for dinner and he enjoyed the food and chat with his parents. It was nice not to be thinking about the game all the time.

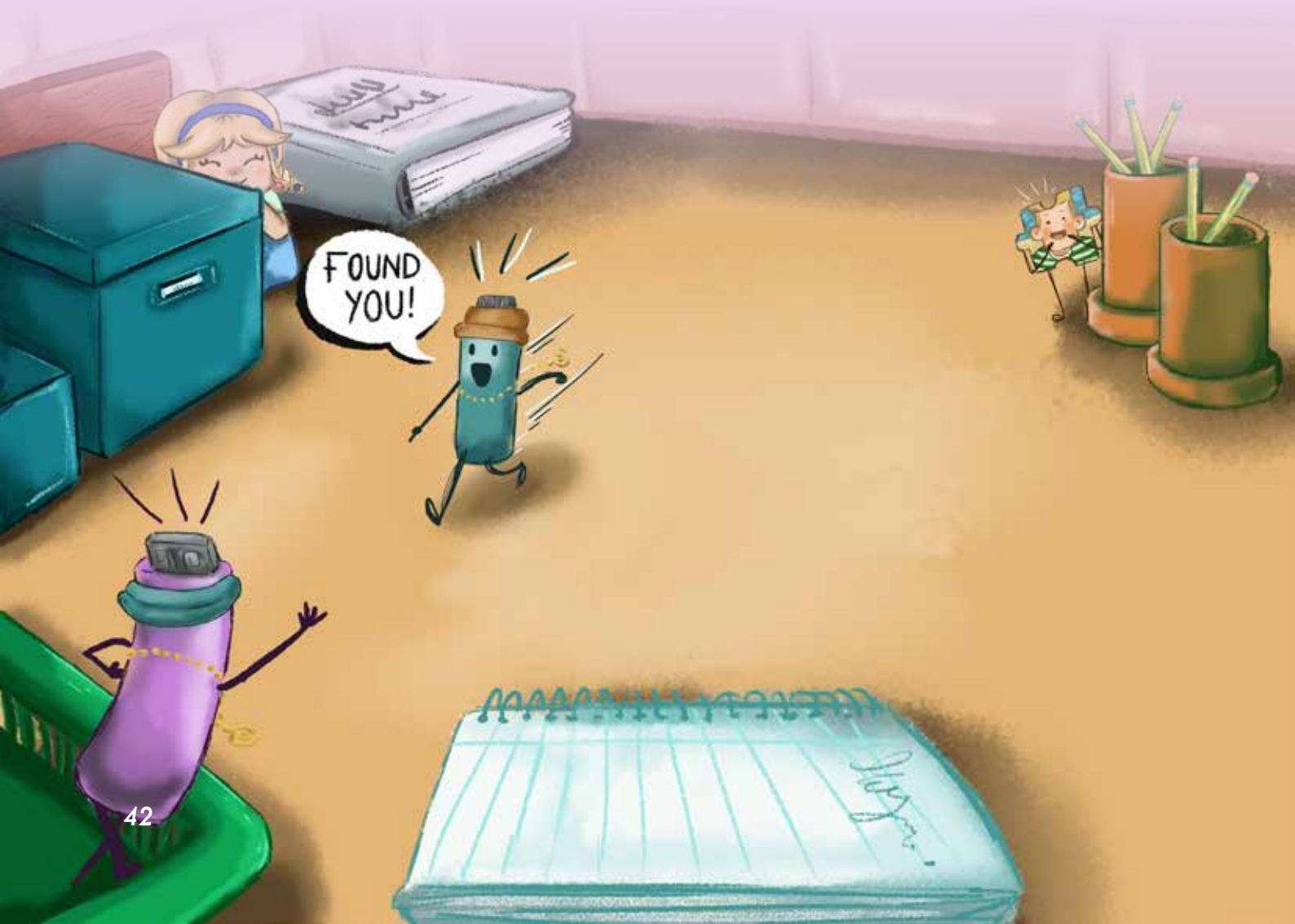


After that, they flew up to the toy shelf and had a game of Hide and Seek with Dolly and Jimmy the Jigsaw Piece.

‘Thanks, Ruubs, for making me feel better,’ said Archie.

‘That’s okay,’ she replied. ‘It’s important to take a break from the screen and to have a balance of online and offline activities in your life. In fact, now that you’ve had a break, it’s probably okay to play the game again for a short while.’

Archie switched on the tablet. Not only was he ready to play Robo Warriors again, but he was excited and energised. The break had done him good.



As soon as the Two-Headed Lizard King came on screen, Archie spotted a weakness in its defences. The creature had no armour at the back of its neck. How had he not seen this before?

Archie's robot warrior rolled to the side, and sprung up, firing both plasma blasters at the back of the alien's neck. The Lizard King crumpled to the ground in a heap.

'I did it!' shouted Archie.

'Well done,' said Ruby. 'You see – balance is the key to success.'



**THE END**



Continue the adventures with the HTML Heroes  
using the free Webwise.ie resources:  
[webwise.ie/html-heroes](http://webwise.ie/html-heroes)

# Play the HTML Heroes Online Safety Code song at: [webwise.ie/html-heroes](http://webwise.ie/html-heroes)



Before you connect,  
Stop Think Check!  
When you're on the Net,  
Stop Think Check!  
Searching for content,  
Stop Think Check,  
Stop Think Check!



The internet - such a wonderful thing,  
For playing, creating, listening.  
But so much to do in the online space,  
You could take a turn into an unknown place.  
Wind up lost, wrong address?  
Go to the corner of the screen, hit 'X'.  
Cos we've gotta code that you all should know,  
It's called the **Online Safety Code**, it goes...

Before you connect,  
Stop Think Check!  
When you're on the Net,  
Stop Think Check!  
Searching for content,  
Stop Think Check,  
Stop Think Check!



Before you click on something new,  
You gotta stop-think-check before you do.  
Stay in the zones that are meant for you,  
So if it's new, you should check - with your Mam  
or Dad too.  
Don't forget that on the internet, never be  
mean, say words you may regret,  
Be nice to each other when you're on the web,  
be cool, be kind and show respect.

Before you connect,  
Stop Think Check!  
When you're on the Net,  
Stop Think Check!  
Searching for content,  
Stop Think Check,  
Stop Think Check!



If you see something you don't like  
Mean things, bad things that don't seem right  
Just tell an adult that you trust,  
Your guardian, your parents, when you're online  
you just... STOP.

Your password you should never tell, it's a lock  
and a key and it's personal  
Your information belongs to you, keep it safe,  
it's what makes you, you!  
If you see on the web someday, a game you can  
download and want to play  
Ask your parents if it's ok, before you click, you  
need to wait, hold up, say...

Before you connect,  
Stop Think Check!  
When you're on the Net,  
Stop Think Check!  
Searching for content,  
Stop Think Check,  
Stop Think Check!



Yeah, the world wide web is an amazing place,  
But the world outside is where we really play,  
Read some books, play sports and run,  
Take a break offline, go out and have some fun.  
Always remember to look after your health,  
Balance your time, you can be your best self.

Before you connect,  
Stop Think Check!  
When you're on the Net,  
Stop Think Check!  
Searching for content,  
Stop Think Check,  
Stop Think Check!



# Notes

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An Roinn Oideachais  
Department of Education



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