

ELLA the CYBER-HERO

A vibrant, cartoon-style illustration. At the top, the title 'ELLA the CYBER-HERO' is written in a bold, yellow, bubbly font with black outlines. Below the title, a large, pink, stylized figure of Ella the Cyber-Hero looms in the background. She has a simple, friendly face with a wide smile and is wearing a long, flowing pink cape. In the foreground, a young girl with short black hair and green eyes looks up at Ella with a surprised expression. She is holding a blue tablet computer that features a cartoon bear on its screen. The background is a light green color, and several small, blue and orange striped candy-like objects are floating around. At the bottom right, the words 'THE BIG HACK' are written in a bold, yellow, blocky font with black outlines.

THE BIG
HACK

Meet Ella!

Ella shows teenagers the dangers that lurk on the Internet. She helps them to become cyber-resilient*.

This comic book was produced by Deloitte and several partners. Why? To encourage young people to take a critical look at some of the situations they may encounter online and to identify the risks. This will help them to feel safer online. We help them to develop the confidence and problem-solving skills that are essential in today's digital world.

We thought it would be fun to make a comic book and we hope you enjoy reading it!



Who is who in this comic book?

Ella is the heroine of our story. She has an insatiable curiosity, loves to solve problems and is very interested in technology. When her friends are in trouble, she always comes to their rescue. In this comic, Ella teams up with Sonia and Veerle to fight hackers.

Veerle works at Deloitte. She leads a team of cyberheroes who teach companies all the tricks of the cyber security trade and help them to fight cyberattacks. If she can help Ella spot hackers, she will do so with great pleasure, energy and enthusiasm!

Sonia is Ella's friend. They go to school together and are both journalists for the school newspaper. She is naturally cheerful, curious, diligent and intelligent.

Sofie is the owner of Smoothie Magic, a popular smoothie bar that offers delicious smoothies and fresh juices. She knows how to use a computer, but she doesn't know much about cyber security. When someone hacks into her tablet, she's glad to have Ella, Sonia and Veerle's help.

Happy reading!

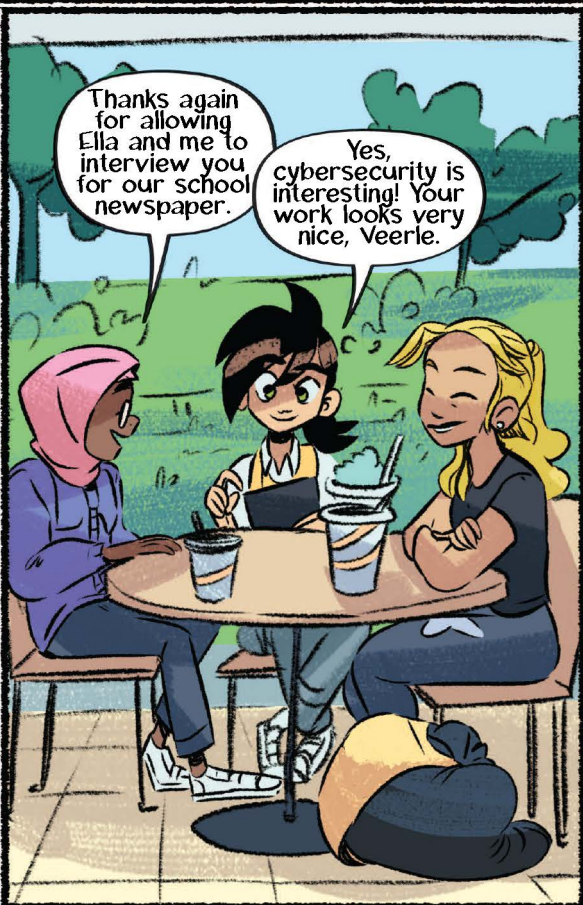




Inspiration: Anthony Onesto
Written by: Deloitte
Drawings: Esther Pimentel
Sponsored by: Rolf Driesen,
CEO Deloitte Belgium

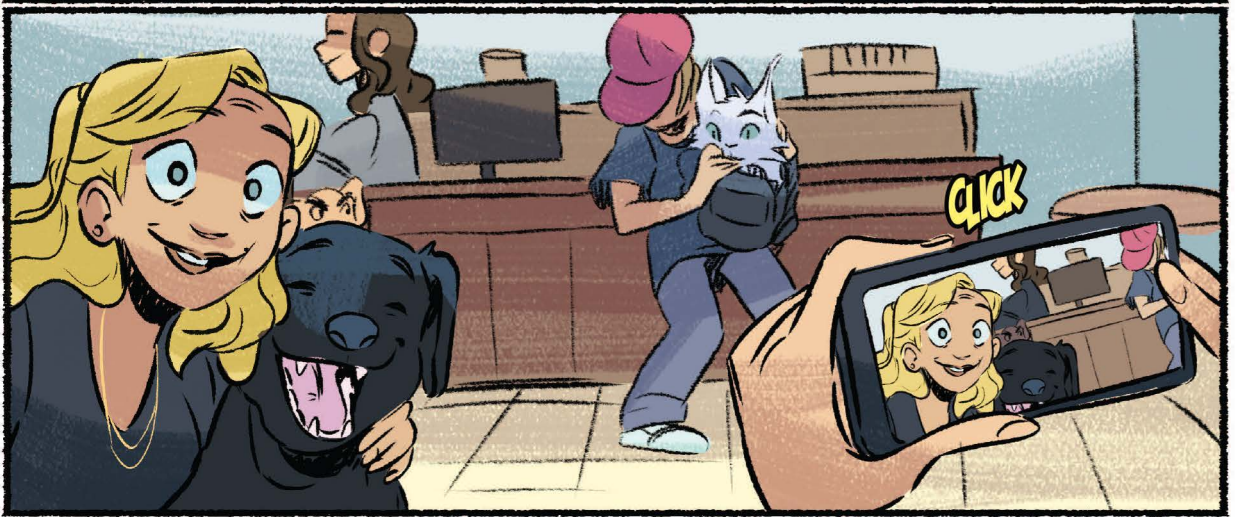
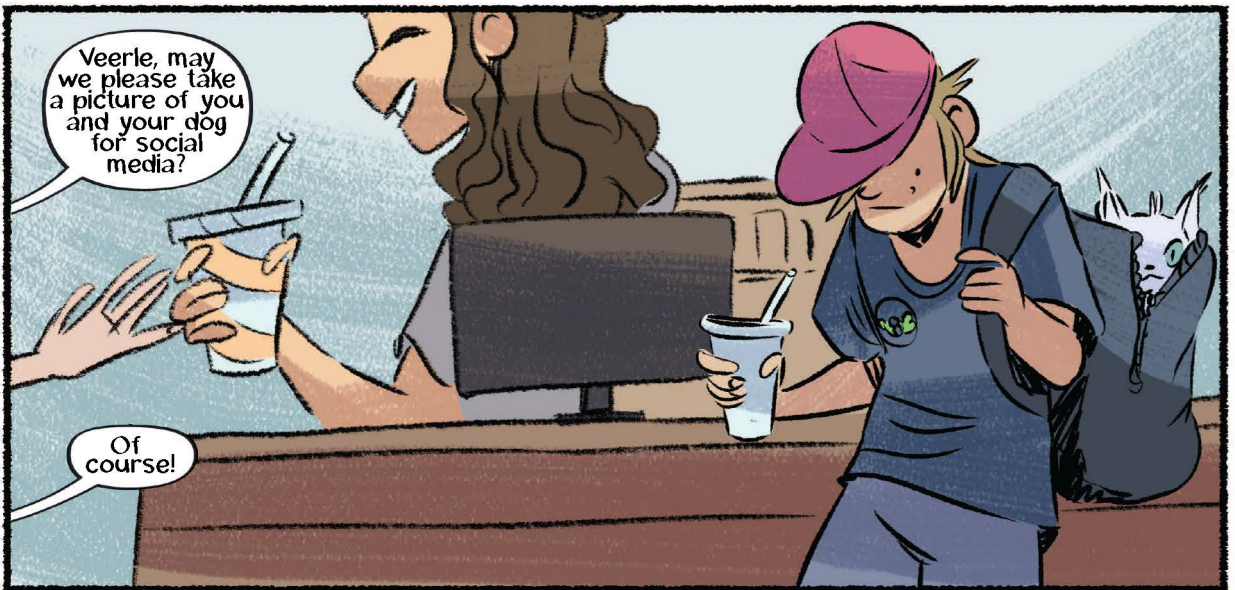


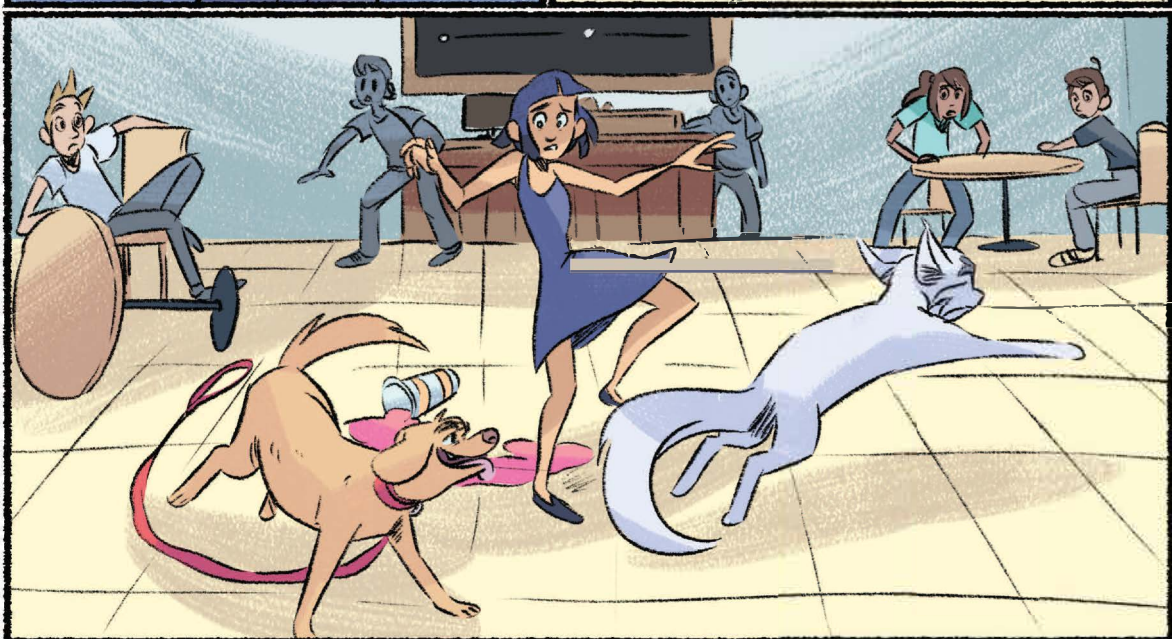
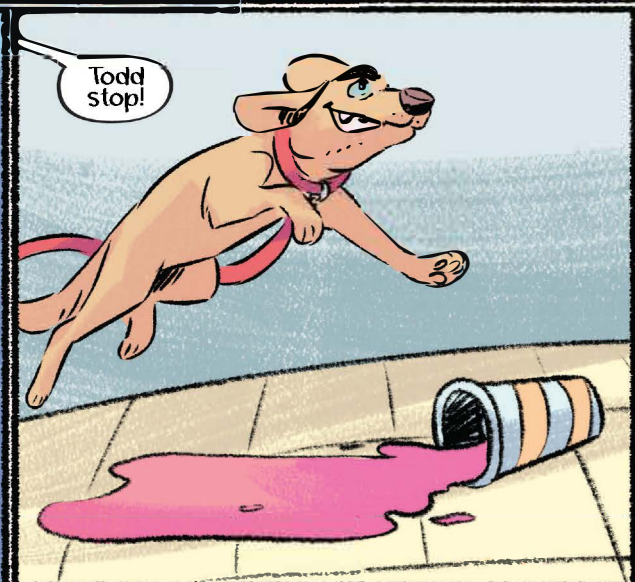
And for you?
A banana smoothie?
Good choice! It's one
of my favourites.

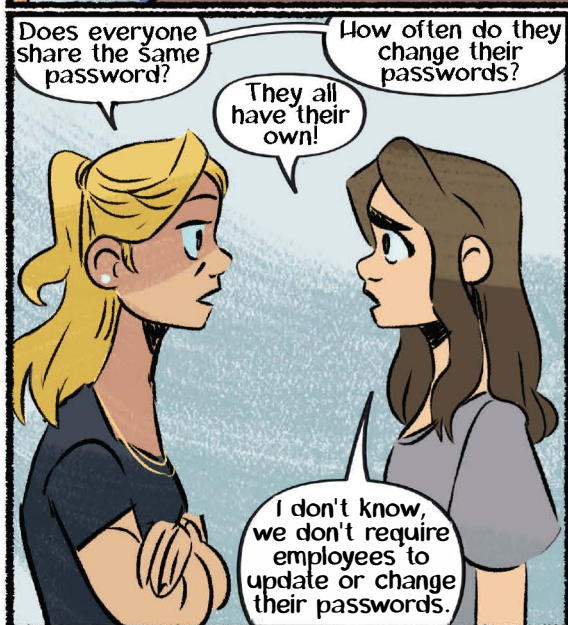
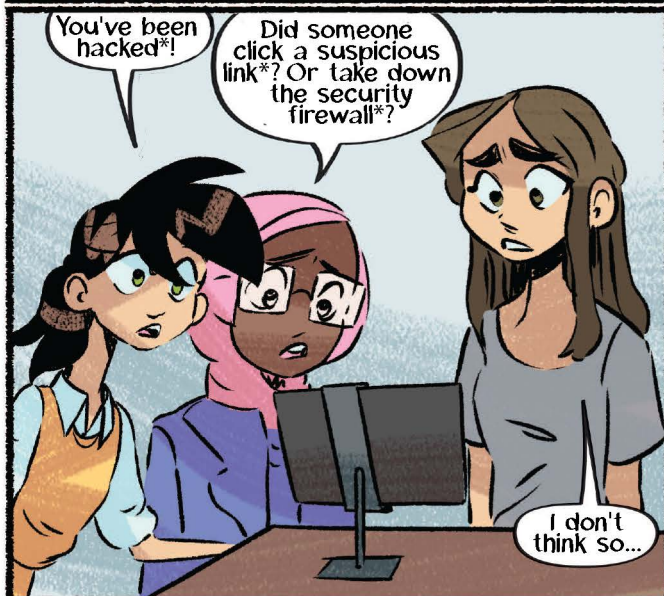


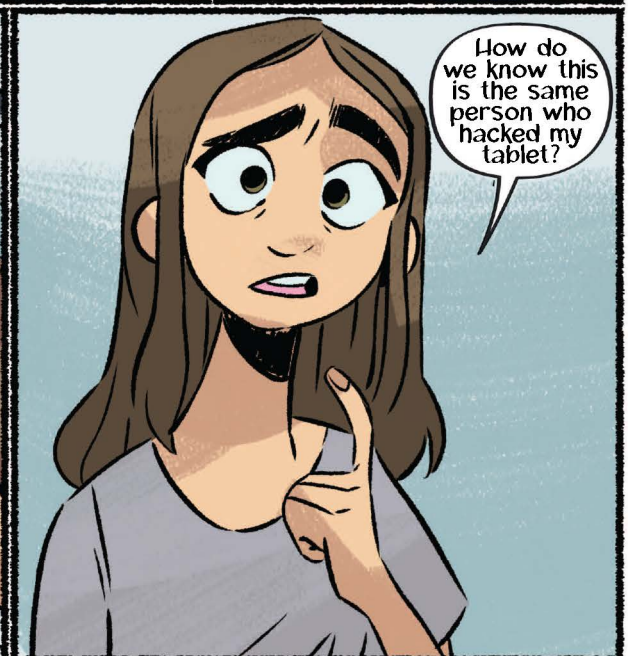
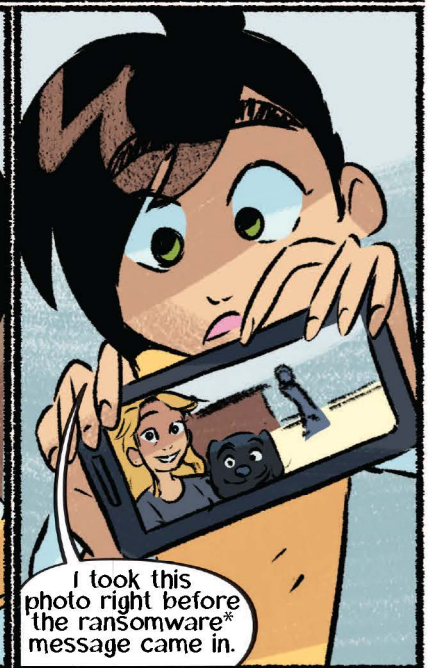
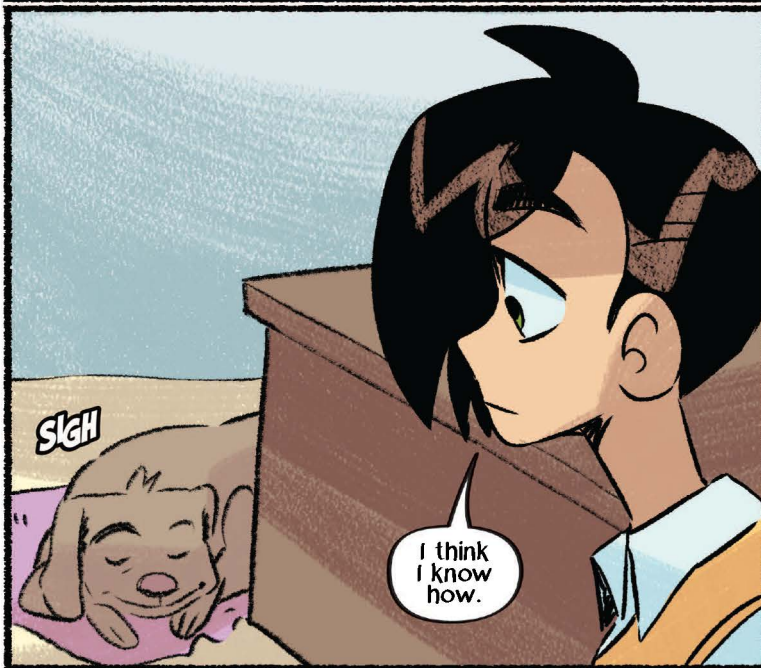
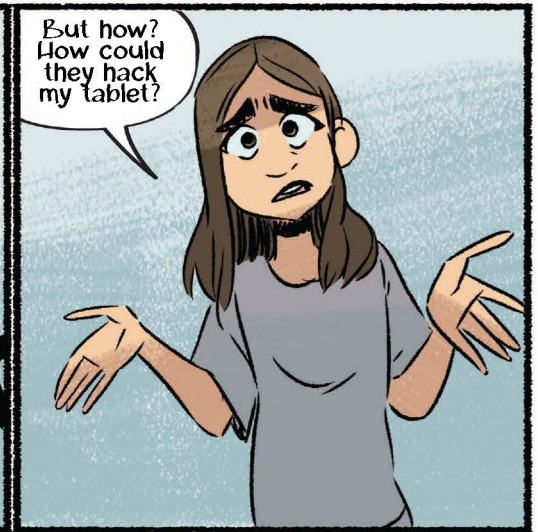
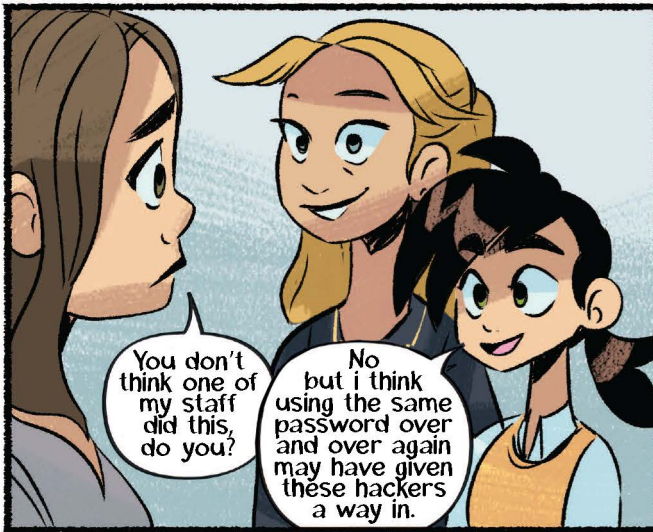
Thanks again
for allowing
Ella and me to
interview you
for our school
newspaper.

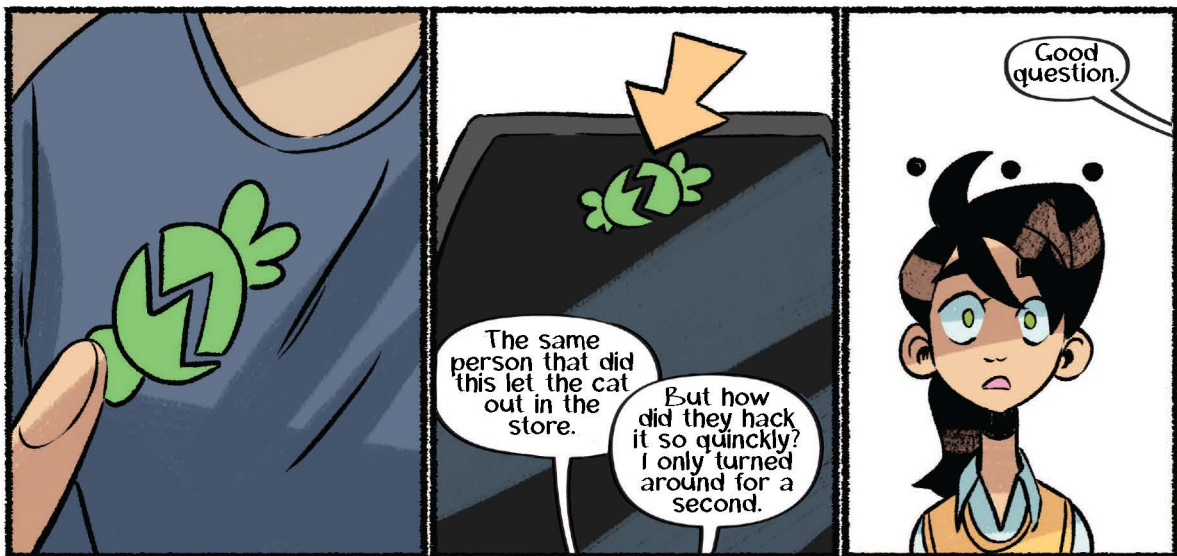
Yes,
cybersecurity is
interesting! Your
work looks very
nice, Veerle.

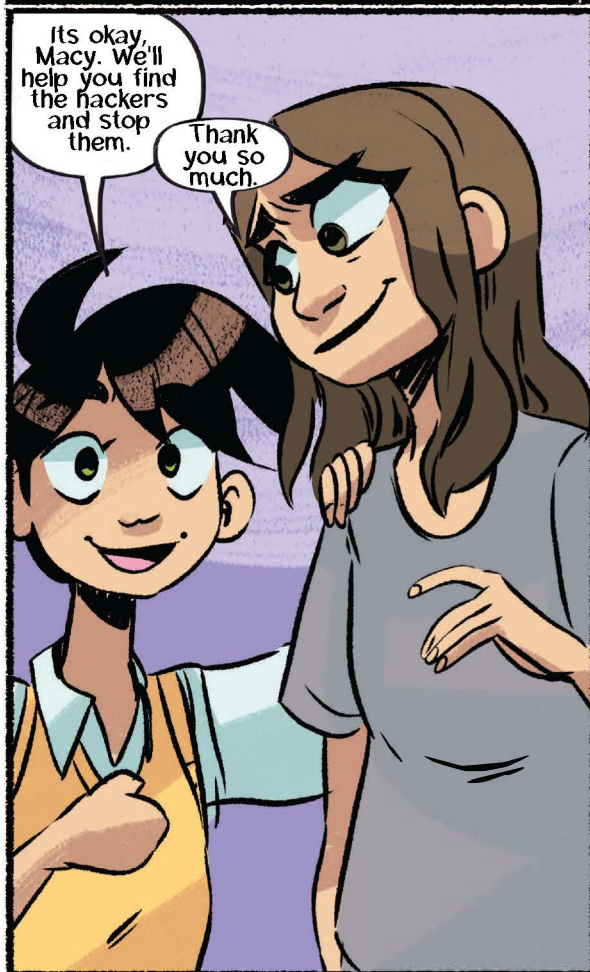
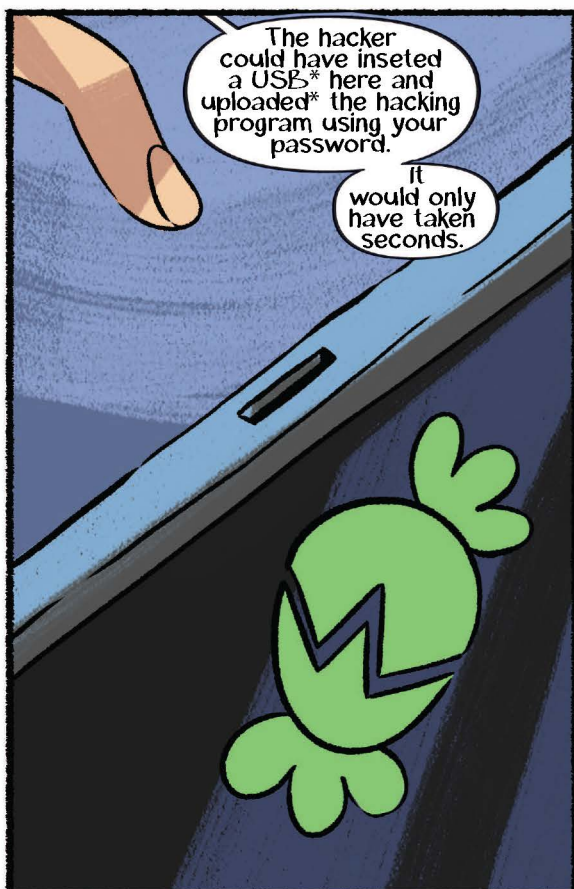


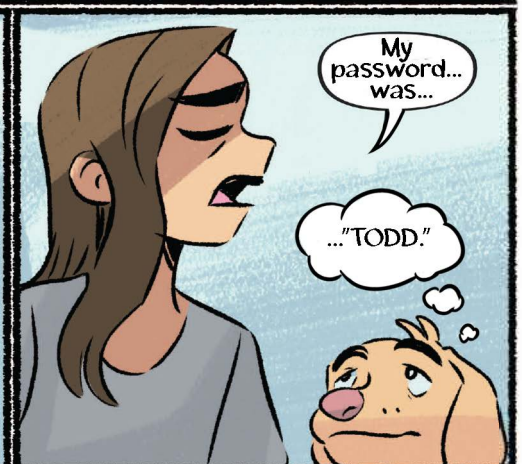
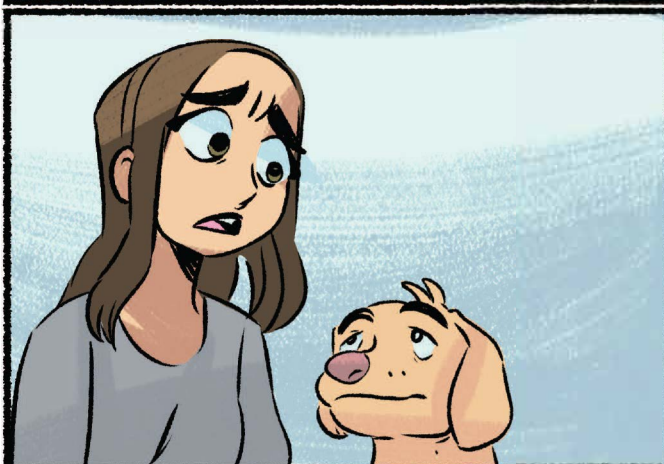
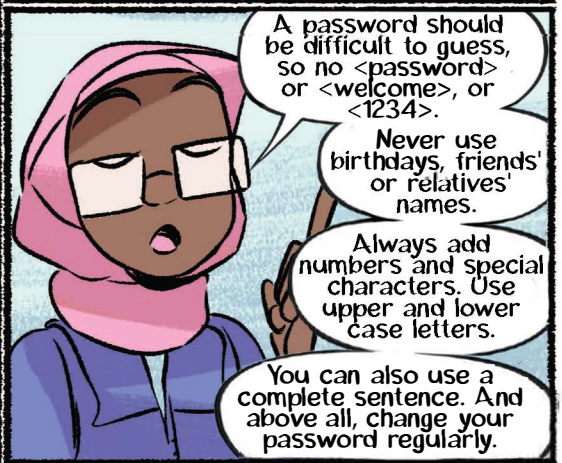
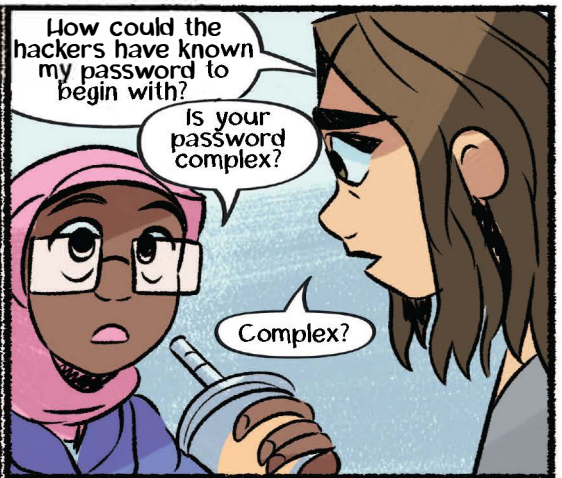


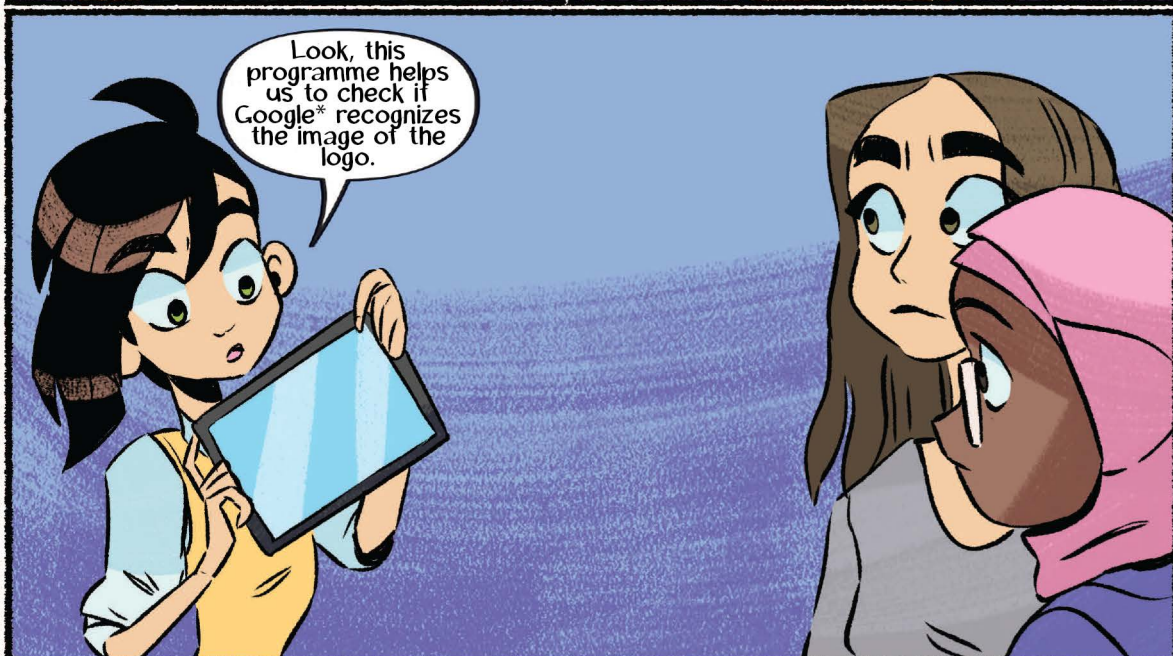


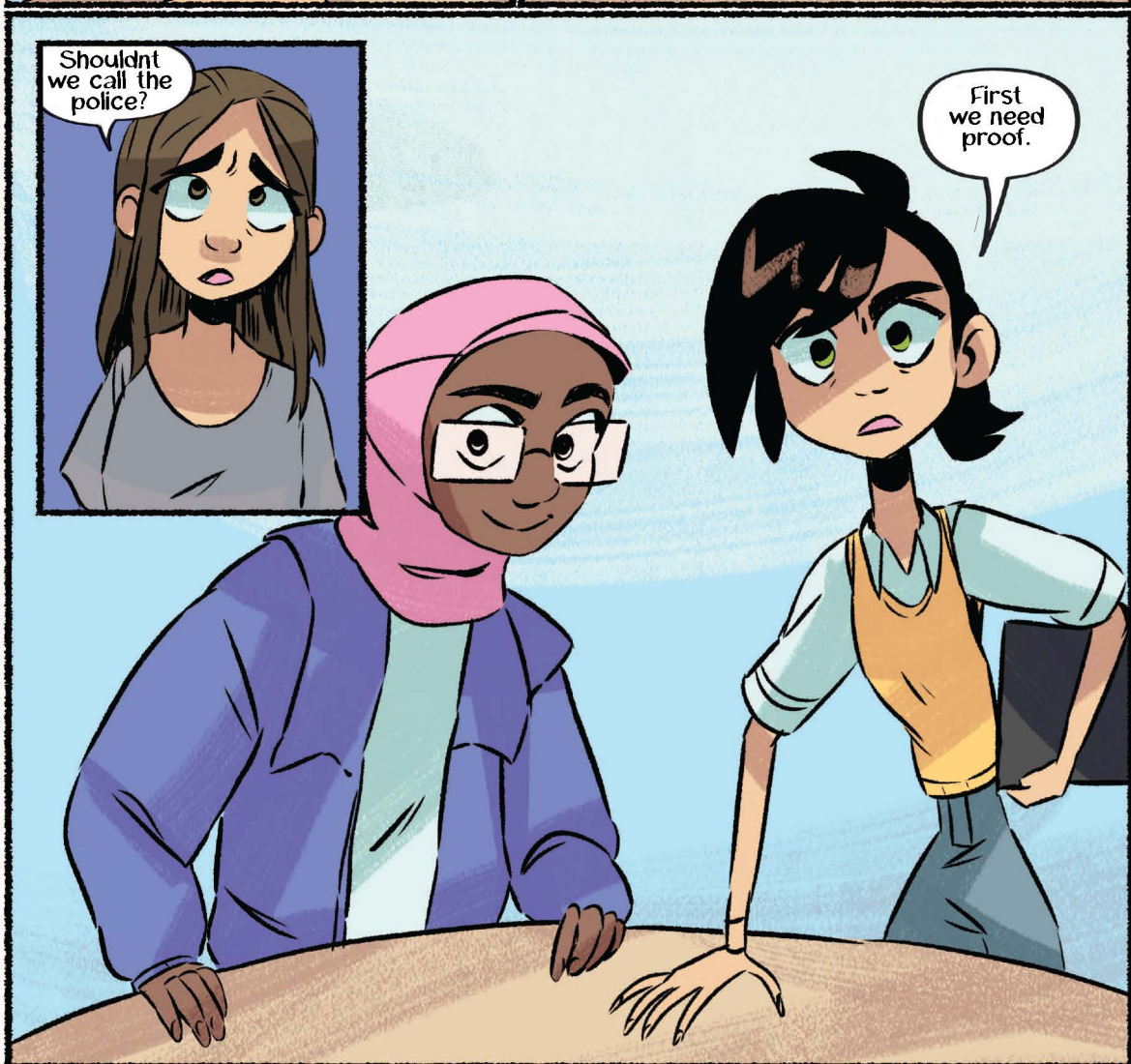
















Hello, young ladies, what can I do for you?



We're just exploring the neighborhood!



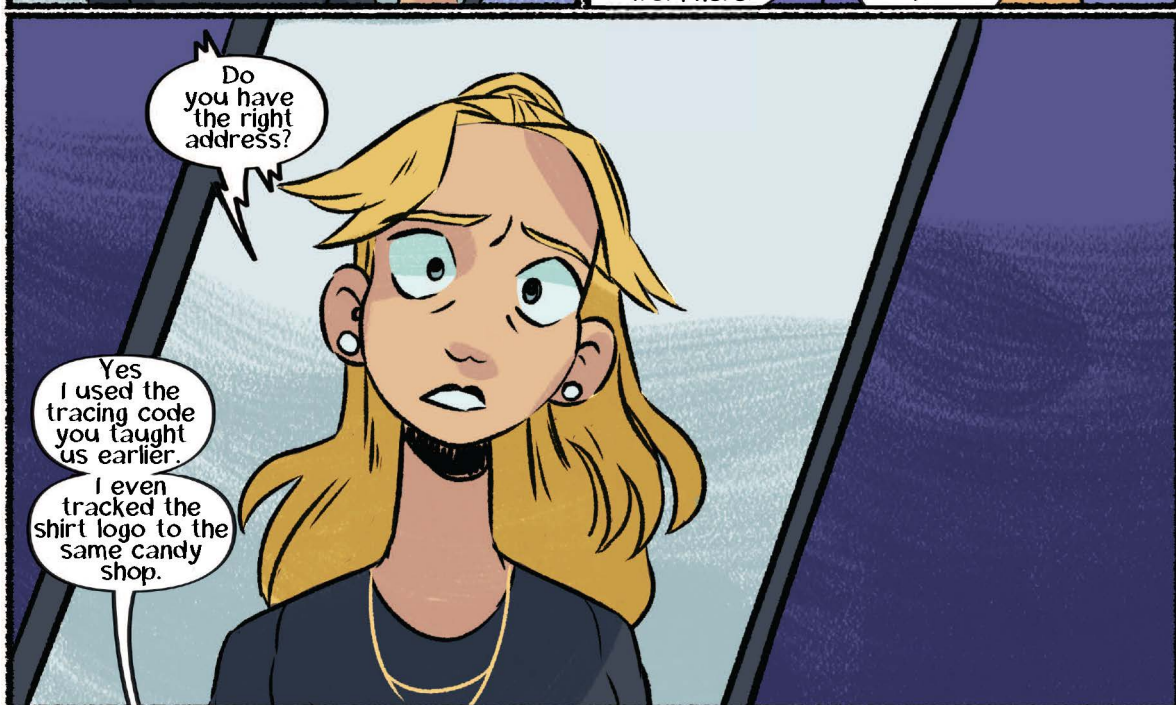
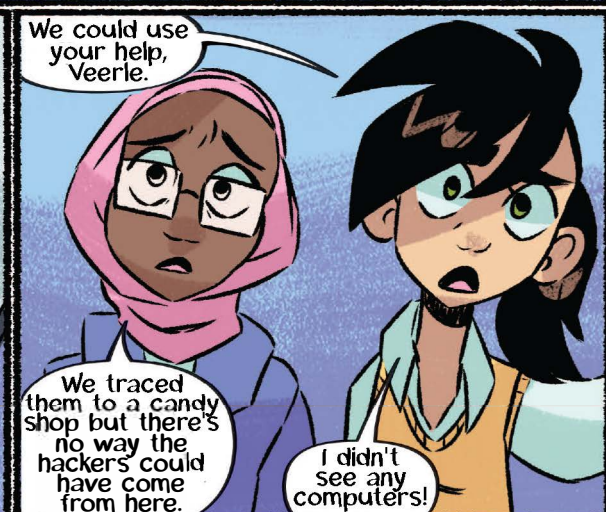
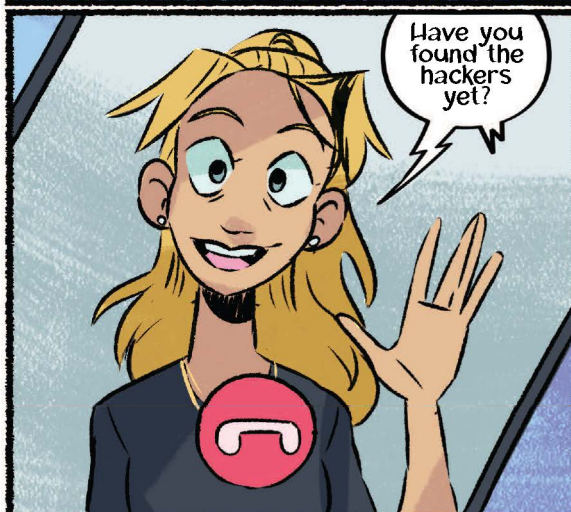
Take these. Thanks for dropping by.

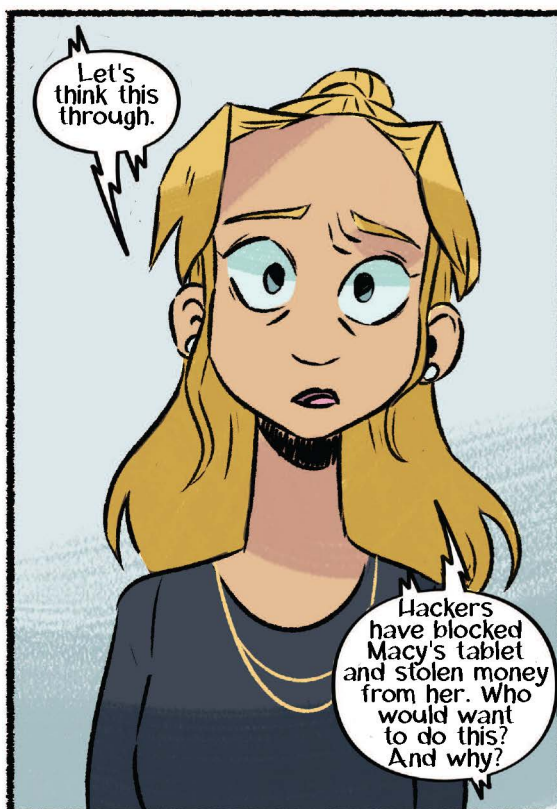


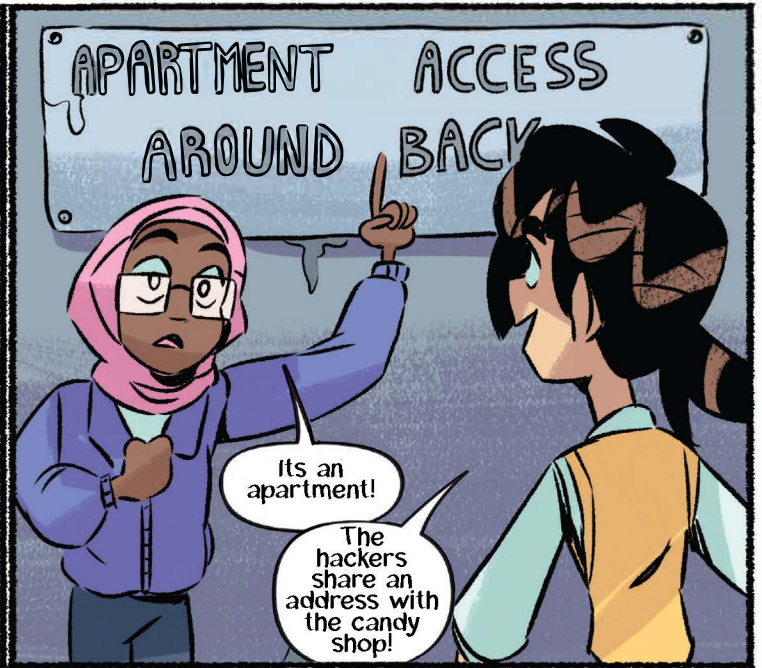
Strange. I didn't see any computers in the store at all.

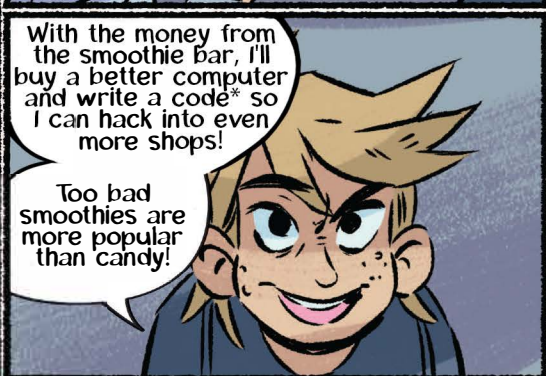
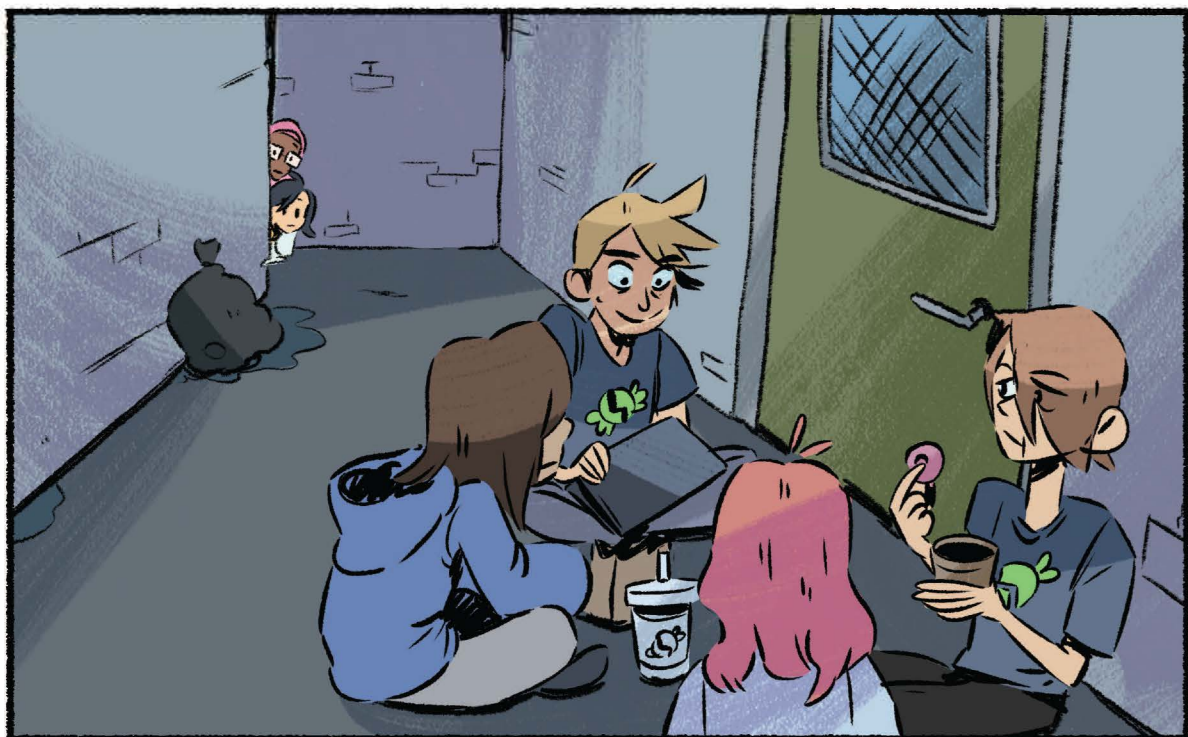
Not even a tablet!

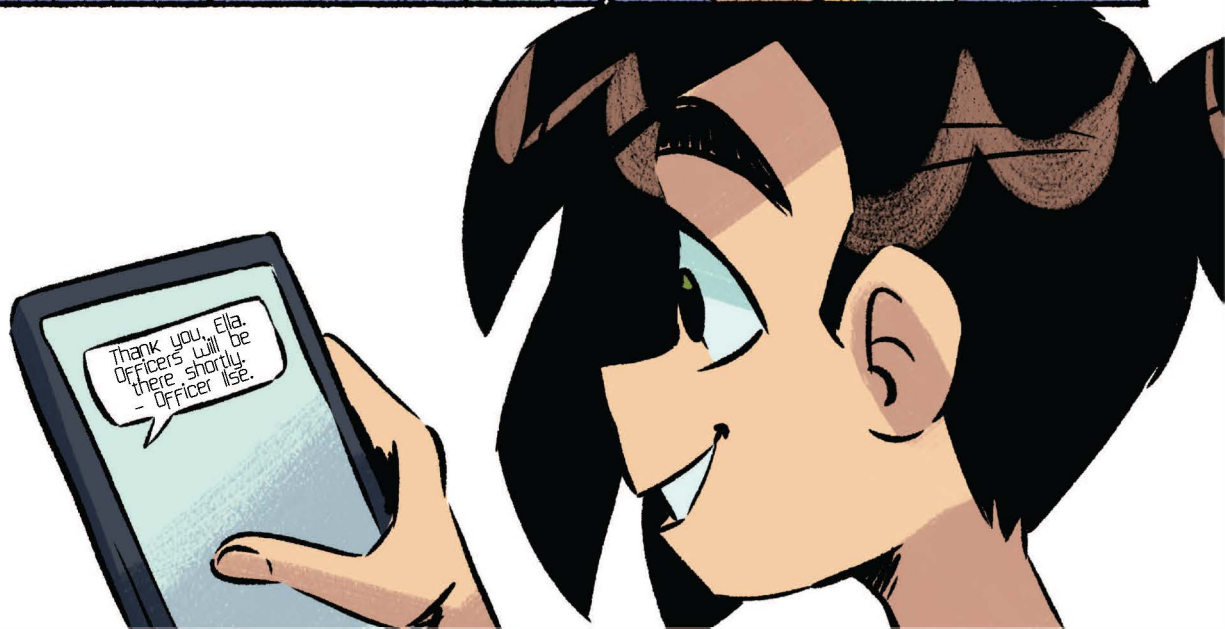
So the hackers are not there. Then, where are they?



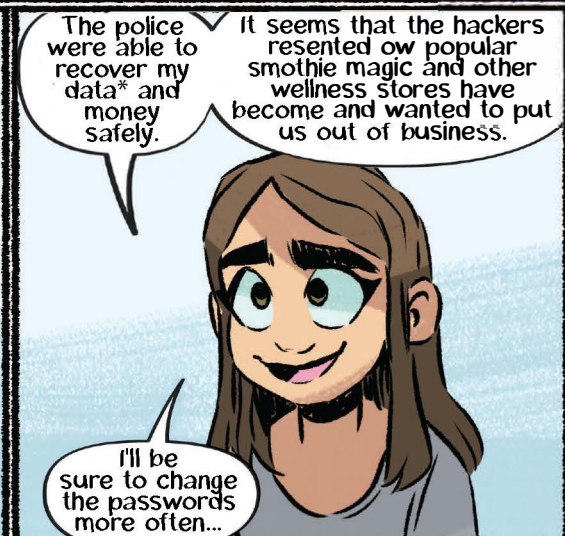
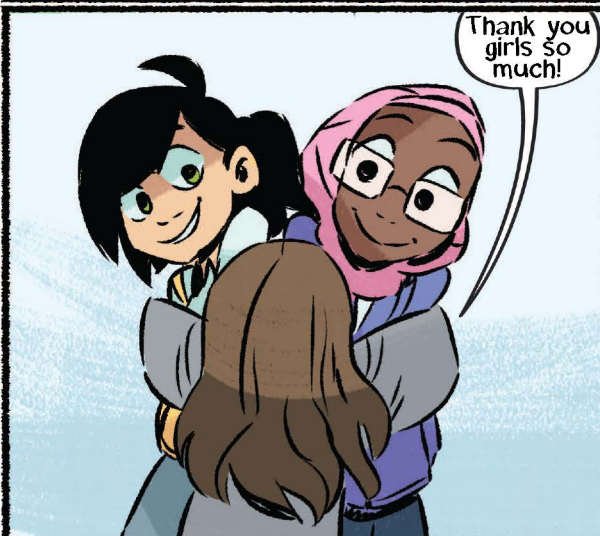
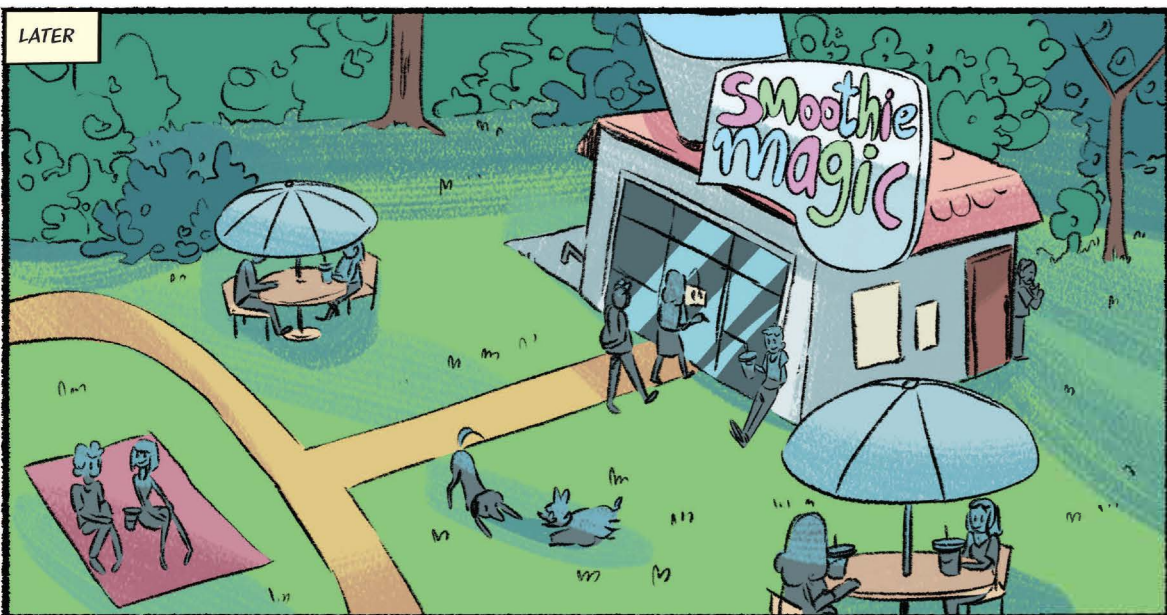








LATER



END

For parents and teachers

This comic book was developed as part of the Ella project. The project aims to teach children and young people how to use the Internet safely.

Throughout the story, children will be introduced to a new vocabulary, consisting of important terms related to cyber safety. They become aware of the risks and develop good online habits. They discover for example, the importance of having a strong password, never sharing it with others and changing it regularly. We aim, ultimately, to teach media literacy and safety skills.

Do you also want to become more involved in cybersecurity? Check out our website www.ELLA-Stem.be. You will find courses for parents and teachers, which you can use at home or in the classroom.



About Deloitte

It has become impossible to think about our daily lives without digital technology. The pandemic of COVID-19 has further accelerated this trend - and increased our digital vulnerability. A study by the King Baudouin Foundation (2021) revealed that 46% of the population is digitally vulnerable: these people have too few computer skills to participate in the digital society. This is why Deloitte has launched the Ella project, which we are carrying out together with various players in the world of education.

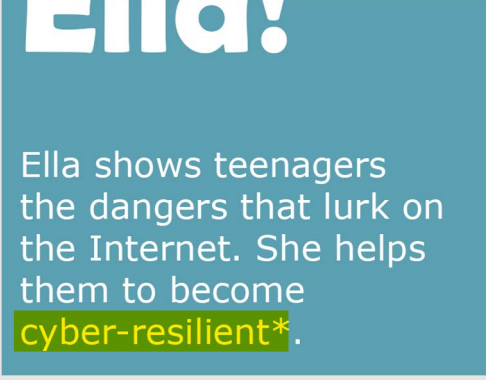


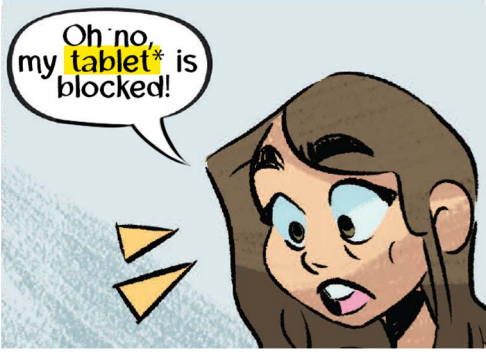



In this project, we are committed to digital inclusion and we want to make children and young people less vulnerable online.

We are convinced that with our expertise in cyber security and education, we can help to make young people more cyber-resilient.



All our actions have one goal : make an impact for our clients, stakeholders, and society. With more than 6,000 employees in 11 offices in Belgium, Deloitte is the largest organisation in the field of audit, accounting, legal and tax advice, consulting, financial advisory services and risk advisory services. Our services are aimed at the largest national and international companies as well as at SMEs, the public sector and non-profit organisations. Deloitte Belgium is an independent and autonomous organisation and a member firm of Deloitte Touche Tohmatsu Limited. For the financial year 2022, a turnover of €704 million was realised. Deloitte Belgium BV is the Belgian affiliate of Deloitte NSE LLP, a member firm of Deloitte Touche Tohmatsu Limited that focuses on the highest quality in delivering professional services and advice. Its services are based on a global strategy covering more than 150 countries. To this end, the expertise of over 415.000 professionals is available in all continents. For the financial year 2022, the turnover was more than 59.3 billion US dollars. Deloitte refers to a Deloitte member firm, one or more associated companies, or Deloitte Touche Tohmatsu Limited, which is a private limited liability company in the UK ("DTTL"). DTTL and its member firms are each legally separate and independent entities. DTTL (also known as "Deloitte Global") does not provide services to clients. Please visit <http://www.deloitte.com/about> for a more detailed description of the legal structure of DTTL and its member firms.

Glossary

Word	Image from the comic	Explanation
Being cyber-resilient	 A comic panel with a blue background. At the top, the word "Ella!" is written in large white letters. Below it, a character with blonde hair is speaking to a group of teenagers. The text reads: "Ella shows teenagers the dangers that lurk on the Internet. She helps them to become cyber-resilient*."	Know what to do to secure your computer so that your data is not stolen by cybercriminals.
Cybersecurity	 A comic panel showing two characters in a grassy field. One character is speaking, and the other is listening. The text reads: "Yes, cybersecurity* is interesting! Your work looks very nice, Veerle."	Secure your computer to protect it from cybercriminals.
Cybercriminals	 A comic panel showing a character wearing a pink cap and a blue shirt, holding a cup. A white cat is visible in the background.	Individuals who want to steal data from your computer.
Tablet	 A comic panel showing a character with brown hair looking surprised. A speech bubble says: "Oh no, my tablet* is blocked!"	A wireless, portable computer that you control by touching the screen with your finger.
Password	 A comic panel showing two characters looking at a laptop. One character is speaking, and the other is listening. The text reads: "Only our employees have passwords*!"	A secret word that only you know, which gives you access to your phone, computer or a website. You can compare it to a key.
Suspicious link	 A comic panel showing two characters. One character is speaking, and the other is listening. The text reads: "Did someone click a suspicious link*? Or take down the security firewall*?"	A synonym is spamlink. A link in a message, which probably came from a hacker.
Hacking	 A comic panel showing two characters. One character is speaking, and the other is listening. The text reads: "You've been hacked*!" and "Did someone click a suspicious link*? Or take down the security firewall*?"	Stealing information from someone's computer without permission.

Antivirus software



A security programme that reviews information on your computer. If the antivirus software finds dangerous information, it asks if you want to keep the information or delete it. Imagine that the antivirus software is like guards walking around the castle with their sniffer dogs, sniffing around for suspicious information. When they find something suspicious, the dog barks and notifies your antivirus software. You then get to choose whether to keep it in the castle or put it outside.

Firewall



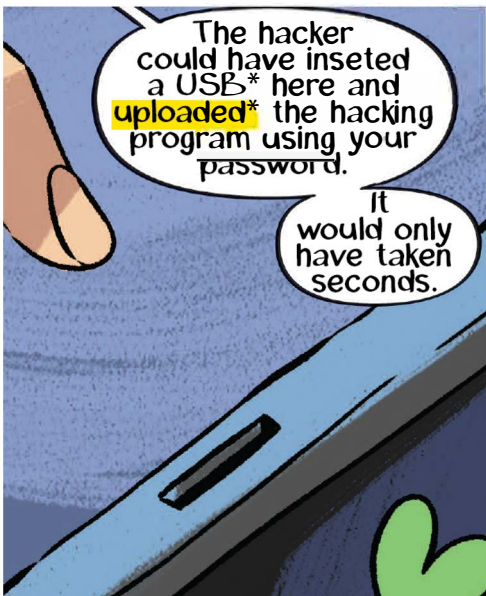
A security programme that checks information on the Internet. The firewall blocks dangerous information. Imagine that a firewall is like guards at the entrance to the castle. The castle is your computer. If the guards check you and find you safe, you may enter the castle.

Ransomware



A synonym is hostage software. This is a programme that steals data on your computer while blocking your computer. As long as the owner of the computer does not pay money to the hacker, he or she cannot use the computer.

Uploading

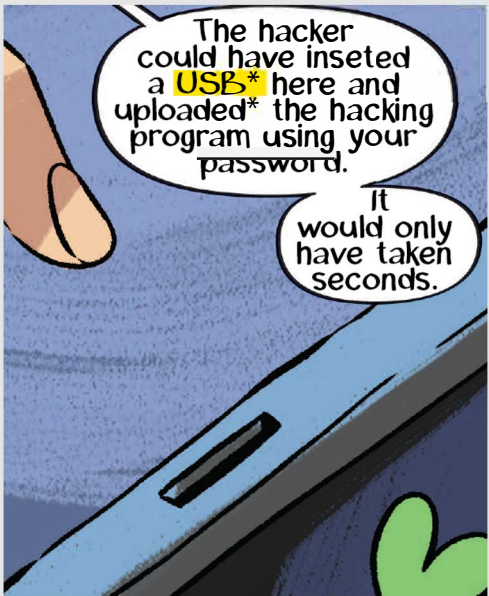


Send files from your own computer to somewhere else, e.g. to a website.

Downloading

The opposite of uploading is downloading. This means putting files from somewhere else onto your own computer, for example downloading a photo from your friend onto your computer for printing.

USB port



A port in a computer that you use to connect another device, for example a mouse, a keyboard or a USB stick.

Passphrase



Work with a passphrase to create a strong password. Use a short sentence as the password. For example, 'ILoveUnicorns<3!'

Google



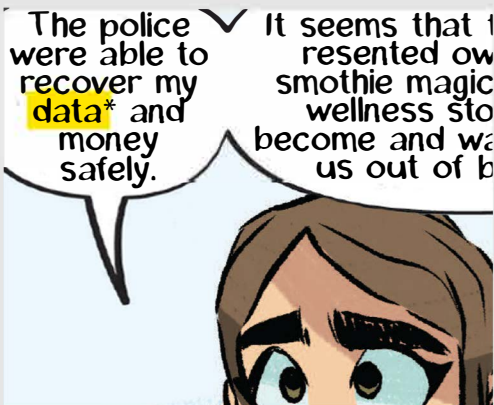
An online search engine, similar to a large virtual library. The verb 'google' also exists: I google, you google, we google.

Coding



Writing computer programs.

Data



Information or data on a computer.

Making a back-up

Making a copy of the information on your computer. If your computer breaks down or gets hacked, you still have your information (e.g. your photos, passwords, programmes, etc.).