Digital Safety Teacher Notes

Protecting your identity and data

What is identify theft?

Identity theft is when someone steals personal information such as name, student ID, driver's license number and date of birth, and uses that information to commit fraud or other criminal acts.

What is phishing?

Phishing is when an attacker, pretending to be a trusted entity, tricks you into opening an email or instant message, or responding to a text message or robocall and revealing passwords, credit cards, etc. It can also compromise your devices.

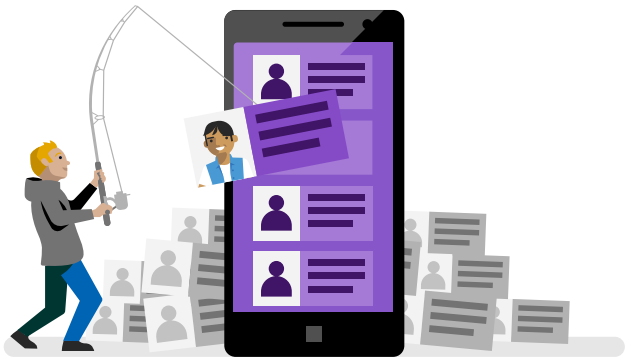
What is malware?

Malware is malicious software, including viruses, ransomware and spyware, designed to steal confidential information, damage systems or lock, reveal or sell private data unless you pay a ransom.

Class discussion: What could thieves do with your information?

Once thieves have important information, like passwords and bank card PINs, they could:

- Buy things using your bank account details.
- Publicize your private photos and messages.
- Send emails to your friends or family that seem to come from you.
- Take over your social media account.
- Lock all your files and photos and ask for a ransom to unlock them.



How can teachers help students protect themselves?

Encourage students to only use strong passwords

- At least 8 characters.
- Mix of upper and lower case letters.
- Numbers and symbols.
- Different passwords for different accounts.
- Never share your passwords.

Describe the warning signs

- An email/text/website pop-up or robocall with unexpected news and a sense of urgency – act now!
- A request or link to upload personal data or confirm/ change your password.
- Bad grammar and spelling or logos don't look quite right.

Ask them to think before they click

- Does the email address correspond to the company it's supposed to come from? Or is it random?
- Does the link to the website look genuine or does it seem off?
- Never click on any attachment or link that looks suspicious.

Quiz

Page 2 of this document features a short quiz. Use it as a departure point to see how much students understand or as a summative assessment to see how much they have learned. Answers are to the right so that they do not appear on the sheet.

1. What you've been binge watching on Netflix.
2. At least 8 characters that are a mix of upper and lower case, special characters and numbers.
3. It claims to be urgent. It's threatening. The grammar and spelling seem strange. It's from a random email address.
4. It contains a strange attachment. It asks me to click on an attachment or link to verify something. The link doesn't look like it goes to an official page.
5. Delete it immediately. Warn family and friends.

Digital Safety Quiz

Protecting your identity and data

Microsoft

How good are you at protecting yourself and your data online?

1. Which one of these is safe to share?
   - [ ] Phone number and email
   - [ ] Pet's name
   - [ ] Home address
   - [ ] Favorite color
   - [ ] What you've been binge watching on Netflix
   - [ ] Location tag
   - [ ] Parents' names
   - [ ] Photos of your house
   - [ ] Photos of your school

2. What makes a good password?
   - [ ] Something I can remember easily
   - [ ] A pet's name followed by four asterisks
   - [ ] At least 8 characters that are a mix of upper and lower case, special characters and numbers

3. What are four warning signs that an email is a phishing scam?
   - [ ] It claims to be urgent
   - [ ] It's threatening
   - [ ] The grammar and spelling seem strange
   - [ ] It addresses me by my name
   - [ ] It's from a random email address
   - [ ] It's neatly laid out and has photos in it

4. What are three warning signs that an email contains malware?
   - [ ] It contains a strange attachment
   - [ ] It's from someone I don't know
   - [ ] It asks me to click on an attachment or link to verify something
   - [ ] The link doesn't look like it goes to an official page

5. What two things should you do if you suspect an email contains malware?
   - [ ] Delete it immediately
   - [ ] Warn family and friends
   - [ ] Forward it to your parents