BBC LEARNING ENGLISH
Take Away English 随身英语
Cyber security and you
人们身边的网络安全隐患

Vocabulary: cyber security and technology 词汇：网络安全和科技

It's a dangerous world out there in **cyberspace**. **Hackers**, **viruses**, and **malware**, among others, all exist and are very real threats. A 2017 UK government **cyber-security breaches** survey showed that in the preceding 12 months, just under half of the companies asked had identified an attack or breach. That could have been disastrous.

The problem is not the computers, **firewalls** or **encryption** - it's us. People are bad at following good cyber-security **protocol** – such as using an effective password. We're also pretty dumb when it comes to clicking on links and downloading content we shouldn't, Ian Pratt, co-founder of cyber-security firm Bromium told the BBC. With that in mind, here are three tips to keep you 'cyber-safe'.

Passwords are a weakness. The ideal password should be at least eight **characters** long, and contain upper and lower case letters, symbols and numbers. And don't use a common word such as 'password'. "This makes you **vulnerable** to a **scrape attack.** This is where hackers take the most common passwords and try them on millions of accounts," Thomas Pedersen from OneLogin, an identity and access management company, told the BBC.

Keep your equipment **up-to-date** by installing the latest security **updates** for your computer - obviously. Less obvious perhaps, is doing so for other technology also connected to the internet – such as your **router**. A recent study carried out by the American Consumer Institute Centre for Citizen Research found that "five out of six routers are inadequately updated for known security **flaws**." These require software updates, too. And don't forget your other smart devices, such as your smart TV!

Finally, consider enabling **multi-factor authentication** for your accounts. That's where a mobile phone or **dongle** is used to verify access to a device. If your password becomes **compromised**, no access can be obtained without your second authentication device… so don't lose your phone! In the future, **biometrics** such as voice and fingerprint may make this easier.

The internet is wonderful, but security threats do exist. Fortunately, with a little common sense and forethought, you can be secure from the majority of cyber-security threats.

词汇表

cyberspace	网络空间
hacker	黑客
virus	计算机病毒
malware	恶意软件
cyber-security	网络安全的（其名词搭配为"**cyber security**"）
breach	破坏、违规
firewall	防火墙
encryption	数据加密
protocol	协议、协定
character	字符（如数字、字母、标点等）
vulnerable	易受攻击的
scrape attack	撒网式密码盗窃
up-to-date	最新的
update	更新，升级
router	路由器
flaw	漏洞
multi-factor authentication	多重身份认证
dongle	软件保护器
compromised	被攻破的
biometrics	生物特征识别技术（其形容词为"**biometric** 生物测定的"）

测验与练习

1. 阅读课文并回答问题。

1. True or False: *There are things we can do to better maintain our cyber security.*

2. Apart from using bad passwords, what are people also susceptible to?

3. Which devices can people overlook when updating security software?

4. What is the advantage of multi-factor authentication?

5. Which word used in the article means 'not done to a good enough standard'?

2. 请在不参考课文的情况下完成下列练习。选择一个意思合适的单词填入句子的空格处。

1. In the event of a fire, please follow safety _____ and evacuate quickly but safely.

breaches	updates	dongles	protocols

2. The unknown man managed to _____ stage security and attack the pop star mid-concert.

breach	scrape	hack	flaw

3. The majority of emails these days are secured with end-to-end _____.

malware	firewalls	encryption	passwords

4. Soon, all transactions could be _____. You'll be able to pay for your shopping with your face!

compromised	biometric	vulnerable	up-to-date

5. I think there's a small _____ in your plan. We don't have any money to go to the cinema!

flaw	attack	virus	character

答案

1. 阅读课文并回答问题。

1. True or False: *There are things we can do to better maintain our cyber security.*
   True. This article offers three simple ideas, but there are many more.

2. Apart from using bad passwords, what are people also susceptible to?
   People are susceptible to clicking links and downloading content that they shouldn't.

3. Which devices can people overlook when updating security software?
   They forget to update other devices that are connected to the internet, such as routers and smart TVs.

4. What is the advantage of multi-factor authentication?
   If your password ever becomes compromised, no access can be obtained without your second authentication device.

5. Which word used in the article means 'not done to a good enough standard'?
   Inadequately (Five out of six routers are inadequately updated for known security flaws.)

2. 请在不参考课文的情况下完成下列练习。选择一个意思合适的单词填入句子的空格处。

1. In the event of a fire, please follow safety **protocols** and evacuate quickly but safely.

2. The unknown man managed to **breach** stage security and attack the pop star mid-concert.

3. The majority of emails these days are secured with end-to-end **encryption**.

4. Soon, all transactions could be **biometric**. You'll be able to pay for your shopping with your face.

5. I think there's a small **flaw** in your plan. We don't have any money to go to the cinema!