

Privacy and Security

I can explain that passwords are used to protect information, accounts and devices.

Outcome Criteria

Understand how passwords and PINs keep devices and information secure.

Recognise some examples of strong and poor password practice.

Questions To Ask

What is a password?

When might a password be really important?

Are there things you do online that you don't need a password for?

What makes a good password?

What makes a bad password?

Activity Descriptor

Why do I need a password?

Using the slides, start by asking the children if they can explain what a password is? Can they remember situations when they have to use one?

Help them draw an analogy between a password and a key. A password is a bit like a key to your door, you need to use one to get into your stuff. Using the given examples explore with the children why a password may be needed for each of the situations:

To access my web browser	if you have auto-complete of passwords and logins. Generally the user has a password to login into the		
To buy something online	Yes - to stop others buying something using your moneyPayment detailsAddress details		
To access an online game	 Yes - to prevent other from pretending to be you online. Your password is your access to your account. If someone else logs in they can play as you and use your in-game currency. 		
Ŧ	Yes - to prevent others changing your playlists and using your account.		

io access my music	You pay for your music, why should others be able to play it without paying?
To watch a film	Yes - to prevent others from using your account.You pay for the service, why should someone else use it without paying?
To access a school system E.g. Mathletics, Education City, etc.	 Yes - your teachers need to know it's you using the system not a friend/brother/parent/carer If someone else access the service they may change the type of activities you need to complete.

Using **slide 4**, ask the children to guess as each password appears whether it is a 'good' or 'bad' password. Each password will turn red or green, answers below.

Good passwords	Bad passwords	
	123456	
	password	
dontcallmeup	chelsea	
shewasabigball	12345678	
lookbluedogput	unicorn	
andshewasit	KatyPerry	
	Passw0rd123	
	liverpool	

Help the children to recognise that a good password is very long and doesn't need to contain odd letters or numbers. It should be easy to remember even if it is long.

Note that we've used words from the first 100 high frequency list, but more able children can use more complex words or lyrics. To support the less able, it is acceptable to write a password down and keep it in a safe place, or the child could use a series of simpler first 100 words: the, and, a, to, in, he, i...More advanced users may choose to generate four random words that add up to over 12 characters to make their password. This is generally regarded as good current advice.

At this age, it is perfectly acceptable for a child's parent/carer/teacher/other trusted adult to know their password. They may also have produced it and written it down in a safe place, to be shared when the child needs it.

It is important to encourage children to learn their own password and to demonstrate good practice yourself. This means not sharing passwords, writing them down in visible places or generating passwords for your children that are the 'same' (red1) or easily guessable (JJ12AS - John Jones born in 2012 attending Anytown School).





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Why do I need a password?

I can explain that passwords are used to protect information, accounts and devices.











What is a password?





Do I need a password?



To buy something online

To access an online game

To access my music

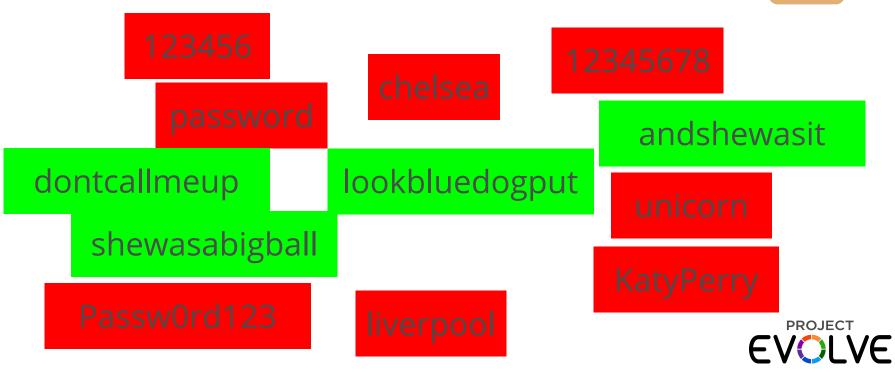
To watch a film

To access a school system





Good or bad password?





Good or bad password? Answers (skipped)						
123456 password	· · ·	345678 andshewasit				
dontcallmeup	lookbluedogput	unicorn				
shewasabigball		KatyPerry				
Passw0rd123	liverpool	EVOLVE				