

## Session Plan - Password design

**Title:** Good password. Bad password

### Aim

The aim of this session is to learn to identify good passwords to use in online accounts.

### Objectives

By the end of the session, participants will be able to:

- List the two characteristics of a good password
- Give at least 3 examples of bad passwords
- Give at least 3 examples of good passwords

### Key learning points

1. A good password is both unique and long
2. When in doubt, create a password that's 12 characters long

### Methodologies and timings

Time	Trainer outline	Resources / Materials
In mins	Outline what you will say and do	List materials needed
5	Icebreaker: Object near you  (Will be useful for password generation)  Say: I want you to tell me what the object is, and how long you think you have had it for	
5	Ask: how would you describe a good password?  Say: there are two pieces of information that you will need to remember from today  Ask: who can explain what uniqueness means?  Practice: which one of these two is more unique? Why?	- Slides: containing pairs of passwords
2	Say: the longer the password, the more unique it can be.  Say: When in doubt, create a password that's 12 characters long	

5	<p>Present bad passwords, using rockyou list</p> <p>Ask: what are things that are common about these passwords? Has anyone ever used these passwords (I have!)? In what situations have you used these passwords? Why is this an issue?</p> <p>Say: top 8 most common passwords make up 8% of all passwords.</p>	<ul style="list-style-type: none"> <li>- List of top 1000 used passwords</li> </ul>
4	<p>Draw from a hat: ask audience if this is a good or bad password</p>	<ul style="list-style-type: none"> <li>- Jamboard: <a href="https://jamboard.google.com/d/1FyNtov8HZebN80zIMUjiA3OrbfUjyFkekfmo7HLav5Q/edit?usp=sharing">https://jamboard.google.com/d/1FyNtov8HZebN80zIMUjiA3OrbfUjyFkekfmo7HLav5Q/edit?usp=sharing</a></li> </ul>
6	<p>Breakout room: come up with as many passwords that fit the above criteria as possible.</p> <p>Say: explain hint using your nearest object</p>	<ul style="list-style-type: none"> <li>- Predefined breakout rooms, 2 groups</li> <li>- <a href="https://www.passwordmonster.com/">https://www.passwordmonster.com/</a></li> </ul>
2	<p>Follow up: ask participants to rate passwords along axis of uniqueness.</p> <p>Ask: before going on break, any questions?</p>	