

# A Practical guide to Cyber Security for Young People

November 2019



Inspiring STEM  
in WA Schools

[www.gamechangerawards.com.au](http://www.gamechangerawards.com.au)



# The People Problem

## WHY PHISHING SCAMS KEEP WORKING

Enter  
your bank  
account  
number.

SCAM.



Dilbert.com DilbertCartoonist@gmail.com

## WAIT FOR IT

Enter  
your bank  
account  
number.

SCAM.



5-19-14 ©2014 Scott Adams, Inc./Dist. by Universal Uclick

## THERE IT IS

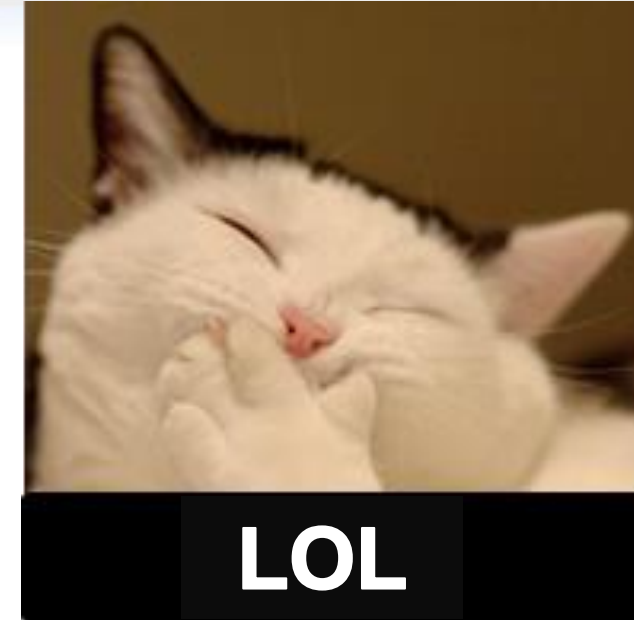
Enter  
your bank  
account  
number.

OKEY-DOKEY.



# Understanding your risks

- This is Mat
- Mat is a blogger
- Mat had his digital life dissolved by hackers.





# How will you likely be Hacked

Reply Reply All Forward IM

Thu 1/25/2018 10:06 AM



Microsoft Office OneDrive Online Notification Message Cer

A file has been shared with you on OneDrive

To MJ Shoer

You replied to this message on 1/25/2018 1:42 PM.

If there are problems with how this message is displayed, click here to view in a web browser.

**You Got Email!**

**Check Your Inbox**



Hello, [REDACTED]

You have a file waiting for you on OneDrive.

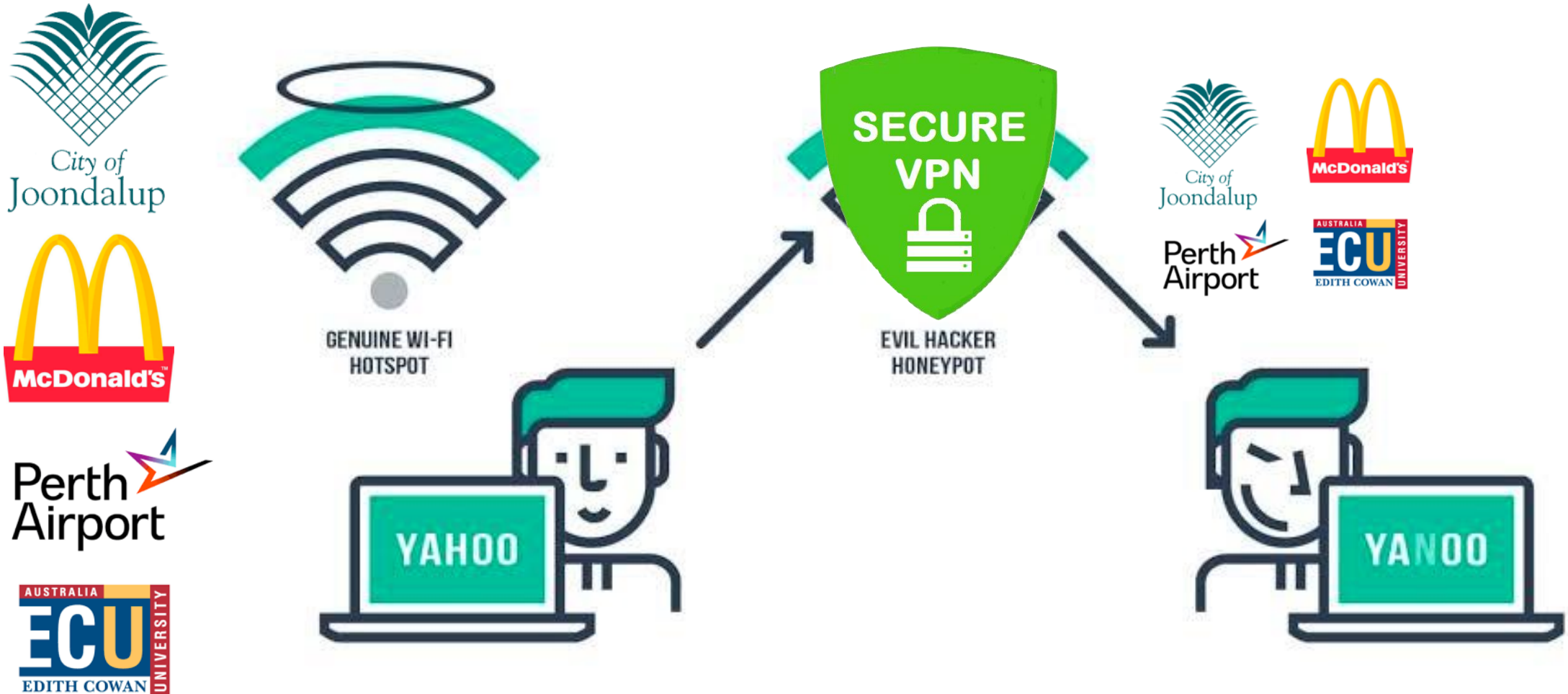
[View File](#)

Enjoy!

The OneDrive team



# How will you likely be Hacked



# What to do if you have been Hacked

- Take control of your account
- Change your password(s)
- Review email account for misuse
- Contact your friends



# What is my data worth?



Spotify Account  
**\$2.75**



Hulu Account  
**\$2.75**



Netflix Account  
**\$1.00 - \$3.00**



PayPal Credentials  
**\$1.50**



Social Security Number  
**\$1.00**



Driver's License  
**\$20.00**



Credit Card  
**\$8.00 - \$22.00**



Email Address & Password  
**\$0.70 - \$2.30**



Medical Record from  
Large Scale Attack  
**\$1.50 - \$10.00**



Complete Medical Record  
**Up to \$1000.00**

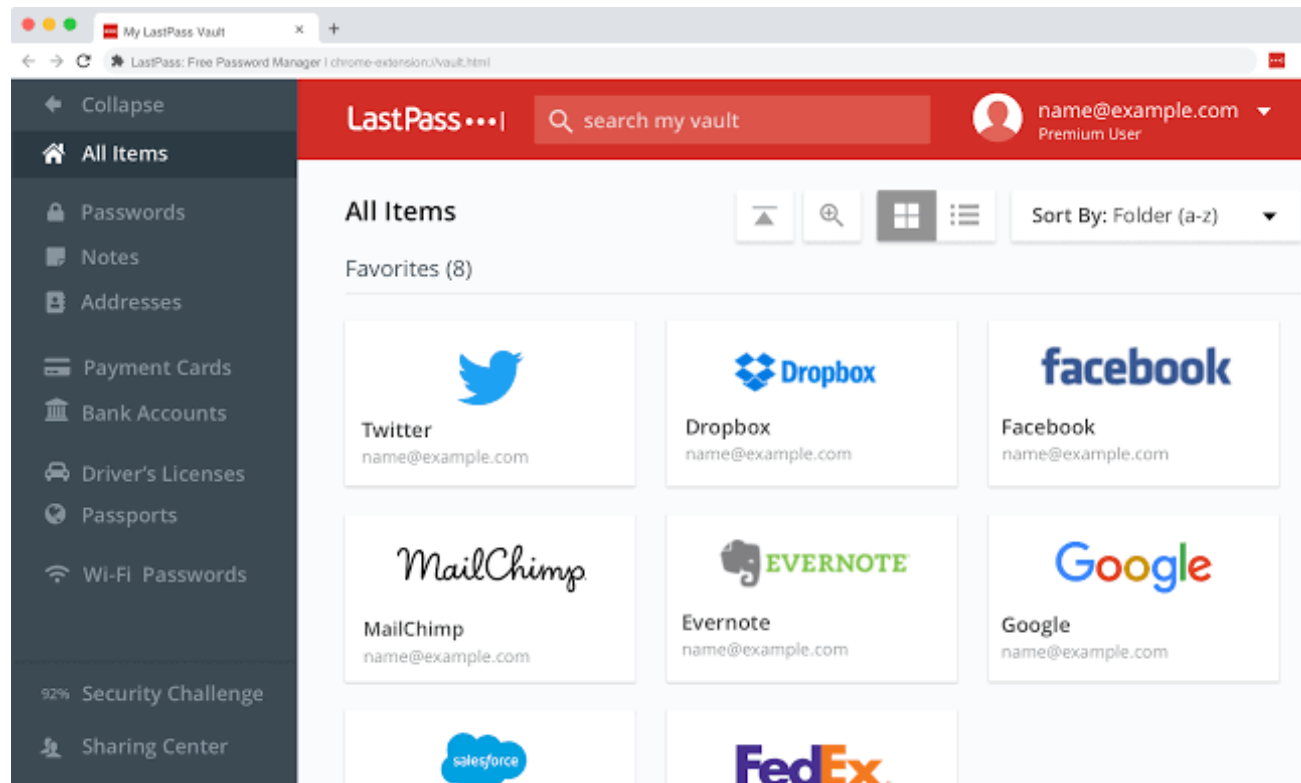
# Protecting your digital life





Protecting your digital life

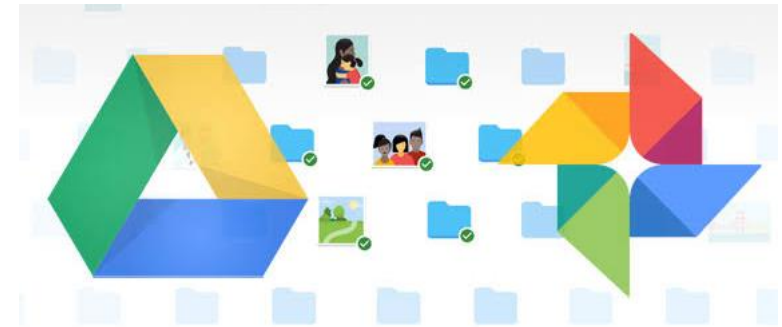
# Password Manager



# Multi-Factor Authentication

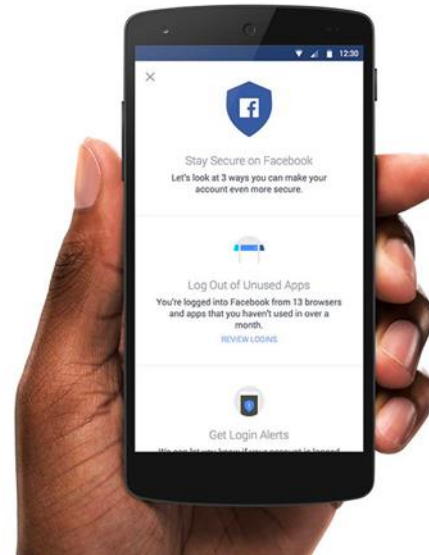
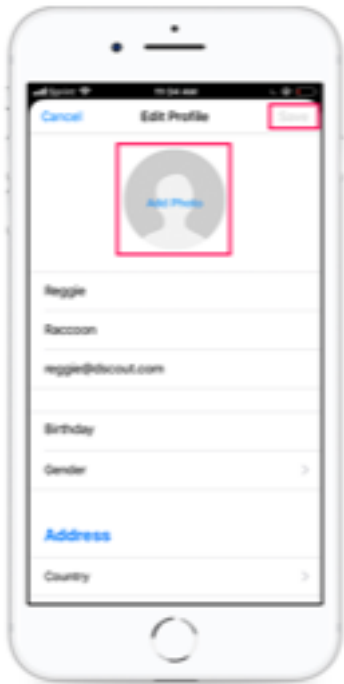


## Backups



Protecting your digital life

# Privacy / Settings





# Protecting your digital life

';--have i been pwned?

Check if you have an account that has been compromised in a data breach

email address

pwned?

412

pwned websites

8,513,925,254

pwned accounts










103,309

pastes











123,092,693

paste accounts

## Largest breaches

	772,904,991 <a href="#">Collection #1 accounts</a>
	763,117,241 <a href="#">Verifications.io accounts</a>
	711,477,622 <a href="#">Onliner Spambot accounts</a>
	593,427,119 <a href="#">Exploit.In accounts</a>
	457,962,538 <a href="#">Anti Public Combo List accounts</a>
	393,430,309 <a href="#">River City Media Spam List accounts</a>
	359,420,698 <a href="#">MySpace accounts</a>
	234,842,089 <a href="#">NetEase accounts</a>
	164,611,595 <a href="#">LinkedIn accounts</a>

## Recently added breaches

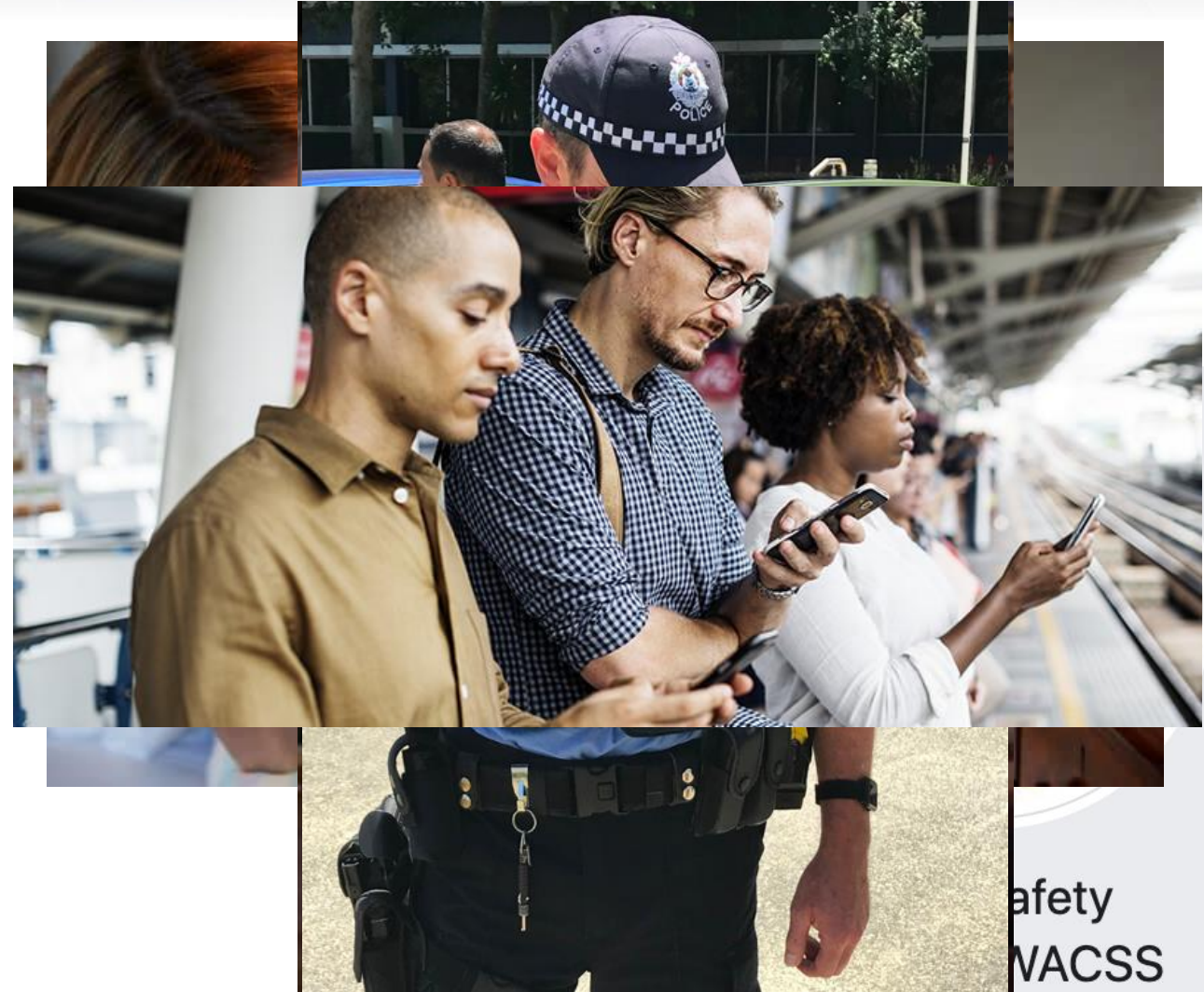
	6,002,694 <a href="#">ToonDoo accounts</a>
	686,899 <a href="#">Vedantu accounts</a>
	290,955 <a href="#">Hookers.nl accounts</a>
	71,407 <a href="#">Zooville accounts</a>
	988,230 <a href="#">StreetEasy accounts</a>
	780,073 <a href="#">Sephora accounts</a>
	23,165,793 <a href="#">Wanelo accounts</a>
	15,453,048 <a href="#">Lumin PDF accounts</a>
	4,606 <a href="#">KiwiFarms accounts</a>
	396,533 <a href="#">Minehut accounts</a>

Watch what you post

# Think of the 4 P's.....

If you wouldn't want it seen by

- **P**arents
- **P**rincipal
- **P**olice
- **P**ublic



# What are employers checking

## Which social media platforms do potential employers check?

Which, if any, of the following types of social media would/ do you search for the candidate(s) on? (Please select all that apply) %



48%

LinkedIn



46%

Facebook



28%

Twitter



15%

Instagram



31%

I would not/do not  
search for candidates  
on social media



5%

Myspace



5%

Tumblr



5%

Flickr



4%

Other

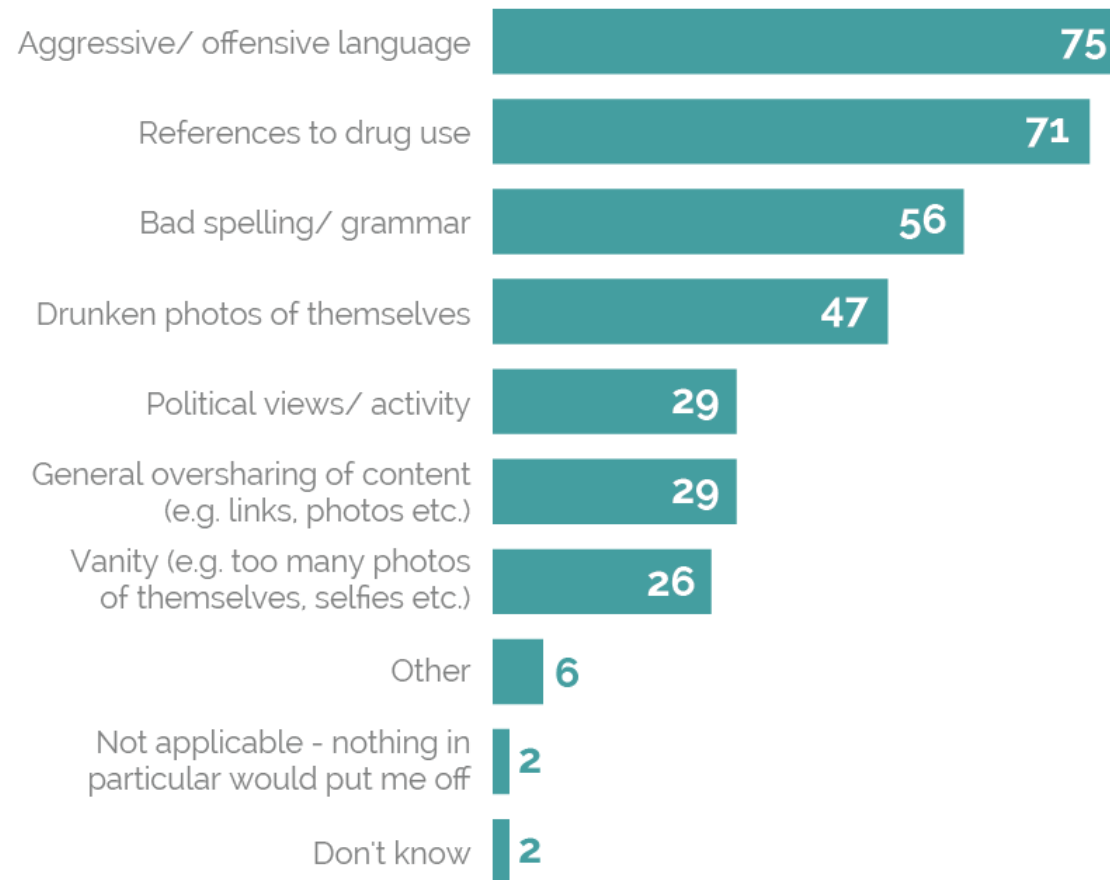
YouGov | yougov.com

March 6-16, 2017

# What is putting off employers

## What social media posts could stop someone getting hired?

Which, if any, of the following types of activity on social media would put you off hiring a candidate? %



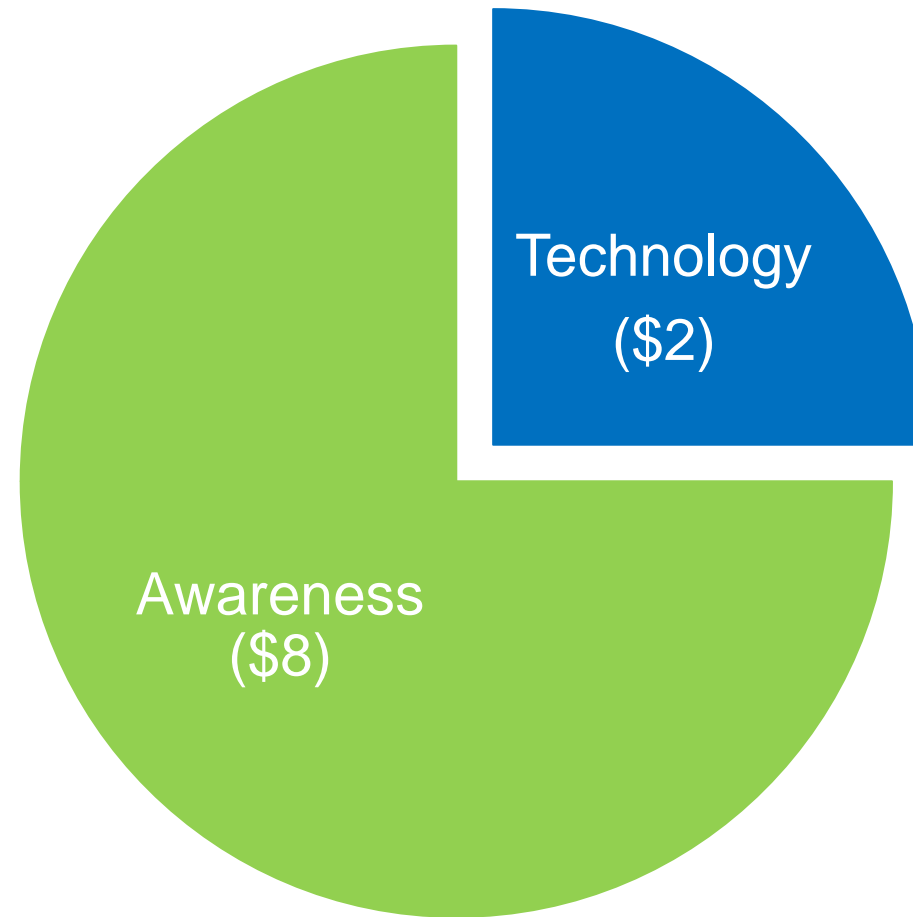


# Social Media



WA Child Safety  
Services - WACSS  
@wachildsafetysservices

If I had \$10 to spend on Cyber Security ....



# Questions?

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