**Digital Citizenship: Searching and Security**

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GRADE and CAMP: 7+

TOPIC(s):

|  |
| --- |
| TIME: 30 mins |
| Set Up & Intro = Show some video’s on a screen |

**MATERIALS (what you’ll need for one week of camp):**

* **The internet and a screen to show videos on**

**What is Digital Citizenship?**

Digital citizenship refers to the norms of appropriate, responsible, and healthy behaviour in technology use. This includes ethics, etiquette, digital literacy, safety and security. Your behaviour online is sourced back to you in real life so it is important to always represent yourself on the internet as you would in real life. Your words and actions on the internet will have an impact on you just as they would in the real world.

**Content online never goes away**

There are websites that save old versions of websites

Video on why you should care about privacy

<https://www.youtube.com/watch?v=85mu9PLWCuI>

If you post something online, and then delete it, someone might have saved a copy, or the site you posted it on didn’t delete it

**How to tell if information is legit**

https://www.youtube.com/watch?v=FxyKHp47EnQ

**Website evaluation methods**

Author

* Who wrote this?
* What is their background?
* Is the author an individual or group?
* Is the author an expert on the topic
* Sharing opinions or facts?
* How does all of this shape what the author wrote?
* Click on Info/About if you can’t find the authors name

Motivation

* Is the webpage considered by a group organization or company
* What does the group stand to gain by convincing others of its points
* Was the information reviewed by others before it was published
* Is the information from a personal site (blog, etc.)
* .edu and .gov are more likely to be objective

Evidence

* Are there citations and links to other sources?
  + Are the citations accurate
* Can you verify the evidence from the site
* Are there many sources or just a couple

Timeliness

* When was the information published or last updated

BE SKEPTICAL

**Security**

Don’t just use things you’ve gotten online without checking them

\* If an “antivirus” that you didn’t install is telling you that you have a virus… chances are, it’s a virus.

\* Check the website at https://safeweb.norton.com/

Or google yourwebsite.com scam and if you get search results of people reporting it’s a scam, that’s a red flag

**SECURITY**

* Key loggers can record your key’s entered in

Fake Wap

* + Software that shows a fake wireless access point
  + Who owns it
  + Who’s using your data
  + Beware if free wifi doesn’t require a password or terms of use page
* Phishing
  + Replicates a legit looking site
  + A legit message that is actually fake
  + Anybody who’s asking for your password over email is a red flag
* Malware
  + Something that gets into your computer and messes things up
  + Comes in from a sketchy source
  + Don’t download programs and files from websites you don’t trust

Hacking techniques

* Bait and Switch
  + Buys ad space on a website and lures people to clicking on it
* Virus’s and Trojans
  + Send data from your computer continuously back to the hacker
* Keyloggers
  + Record your key strokes
  + Banks let you use their virtual keyboards to avoid this

**Efficient Use of Google**

https://www.youtube.com/watch?v=LTJygQwYV84

Boolean operators

* AND – results with both criteria
* OR – results with one or more of the criteria met
* NOT – results that don’t contain something
  + Can also use the minus sign

Asterisk at the end of a word give different endings

* Ex: Canad\* returns results for Canada, Canadian, and Canadians

https://www.youtube.com/watch?v=R0DQfwc72PM

Quotation marks

* Assures the words show up in the order they are within the quotation marks

Can upload an image to google images and search for similar images that way

* Finds the origin of a specific image

Related:url

* Finds similar websites

Filetype:pdf

* Finds specific file types

Intitle: your search term

* Displays sites that have the search term in their title

Startpage.com

* Google search results without your ip address

**Procedure**

Watch this video on why you should care about privacy

<https://www.youtube.com/watch?v=85mu9PLWCuI>

Watch This video on privacy

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Watch this video on how to tell how reliable information is.  
<https://www.youtube.com/watch?v=FxyKHp47EnQ>

Go over the types of Scam’s people try to pull as described under security

Watch this video on Scam Baiting: [\\rhubarb\admin\Outreach\SF-Instructors\Staff 2018\Camps\Codemakers- Gamedev\Videos\_For\_Digital\_CitizenShip\Ted\_Talk\_On\_Scambaiting.mp4](file:///\\rhubarb\admin\Outreach\SF-Instructors\Staff%202018\Camps\Codemakers-%20Gamedev\Videos_For_Digital_CitizenShip\Ted_Talk_On_Scambaiting.mp4)

Watch this video on googling better

https://www.youtube.com/watch?v=LTJygQwYV84

Give each kid a copy of Google\_tips.pdf

**Bonus:** Watch this video on lunch, a break, or if there’s extra time if people are interested:

(A Ted Talk on why online privacy is important)  
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