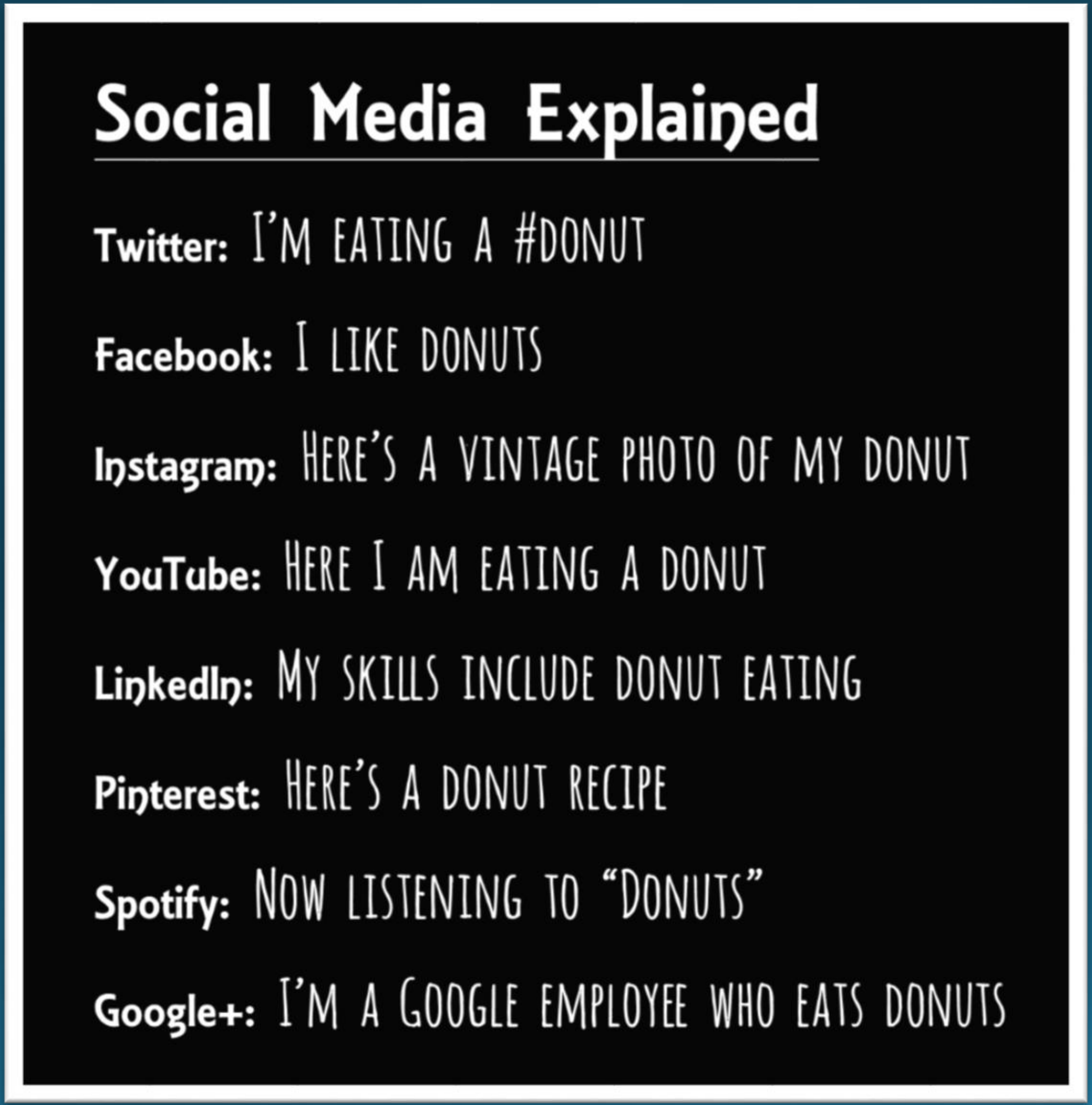
The Basics

# Facebook

# Social Media



## Social Media Explained

**Twitter:** I'M EATING A #DONUT

**Facebook:** I LIKE DONUTS

**Instagram:** HERE'S A VINTAGE PHOTO OF MY DONUT

**YouTube:** HERE I AM EATING A DONUT

**LinkedIn:** MY SKILLS INCLUDE DONUT EATING

**Pinterest:** HERE'S A DONUT RECIPE

**Spotify:** NOW LISTENING TO "DONUTS"

**Google+:** I'M A GOOGLE EMPLOYEE WHO EATS DONUTS

# Staying Safe Online

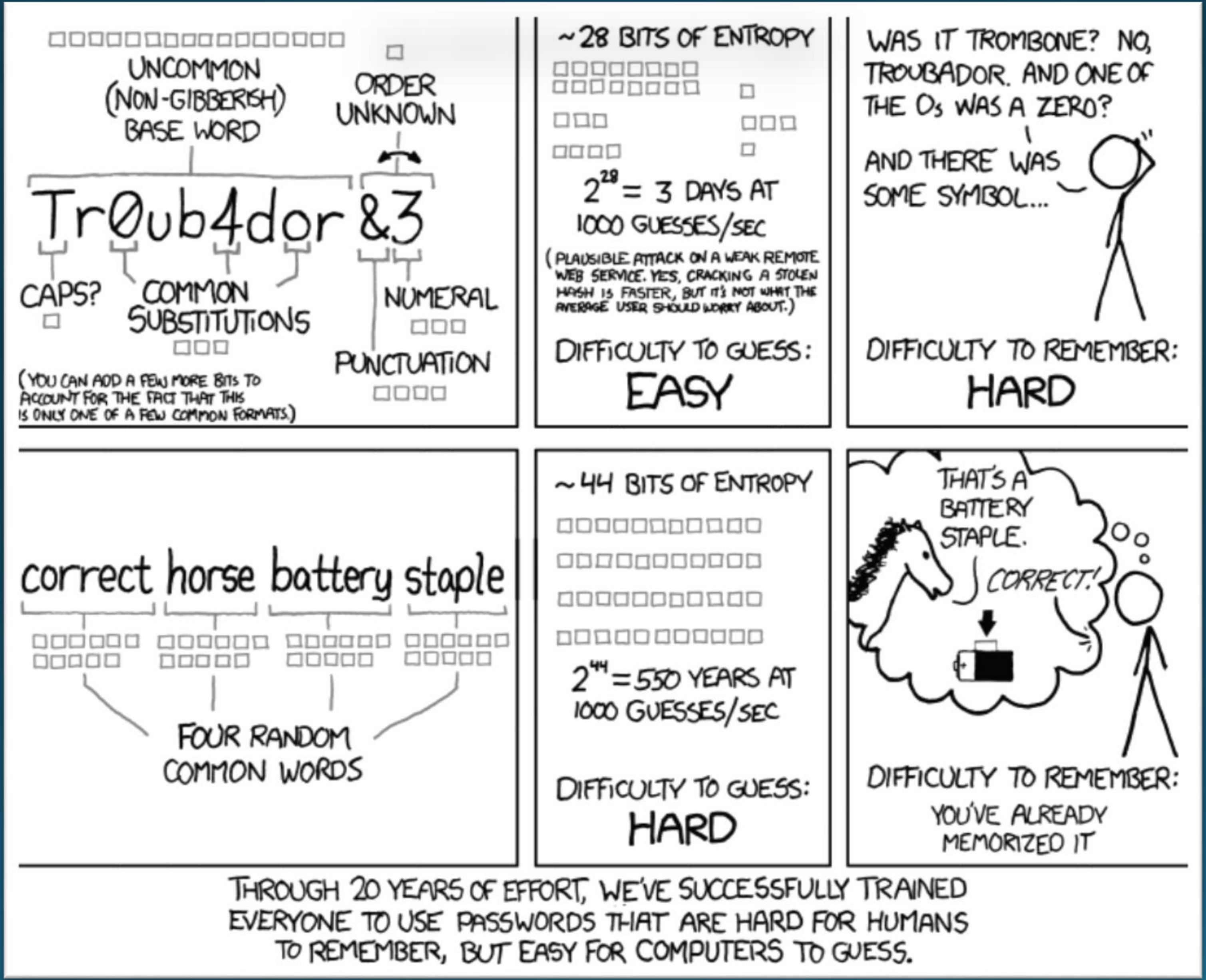
1. Use maximum privacy and security settings

2. Don’t add friends who aren’t your friends

3. Create strong passwords…and don’t reuse them

4. Always make sure to log out when you are done on your computer

# Passwords


UNCOMMON (NON-GIBBERISH) BASE WORD
ORDER UNKNOWN
Tr0ub4dor&3
CAPS?
COMMON SUBSTITUTIONS
NUMERAL
PUNCTUATION
(YOU CAN ADD A FEW MORE BITS TO ACCOUNT FOR THE FACT THAT THIS IS ONLY ONE OF A FEW COMMON FORMATS.)
~28 BITS OF ENTROPY
2^28 = 3 DAYS AT 1000 GUESSES/SEC
(PLAUSIBLE ATTACK ON A WEAK REMOTE WEB SERVICE. YES, CRACKING A STOLEN HASH IS FASTER, BUT IT'S NOT WHAT THE AVERAGE USER SHOULD WORRY ABOUT.)
DIFFICULTY TO GUESS: EASY
WAS IT TROMBONE? NO, TROUBADOR. AND ONE OF THE Os WAS A ZERO?
AND THERE WAS SOME SYMBOL...
DIFFICULTY TO REMEMBER: HARD
correct horse battery staple
FOUR RANDOM COMMON WORDS
~44 BITS OF ENTROPY
2^44 = 550 YEARS AT 1000 GUESSES/SEC
DIFFICULTY TO GUESS: HARD
THAT'S A BATTERY STAPLE.
CORRECT!
DIFFICULTY TO REMEMBER: YOU'VE ALREADY MEMORIZED IT
THROUGH 20 YEARS OF EFFORT, WE'VE SUCCESSFULLY TRAINED EVERYONE TO USE PASSWORDS THAT ARE HARD FOR HUMANS TO REMEMBER, BUT EASY FOR COMPUTERS TO GUESS.

(**Source:** https://xkcd.com/936/)

# Rules for Creating a Strong Password: What Not to Do!

1. Don’t use sensitive information (names, birthdates, addresses, etc.) in your passwords
2. Don’t use single words or sequential numbers or letters
3. Don’t use the same password for multiple accounts
4. Don’t store your passwords in your browser

# Rules for Creating a Strong Password: What to Do!

1. Start with a phrase that means something to YOU
2. Switch out letters in the phrase with numbers and characters
3. Add capitalization to make passwords more complex
4. Make it at least twelve characters long
5. Change your passwords regularly
6. Write them down in a safe location

# Password Examples

- Switch letters to characters
  - FasterFingers = **F@573rF1ng3r5**
- Use the first letters in a phrase
  - I sold my camel for five dollars in 2016 = **Ismcf$5i16**

# Password Examples

- Pick 4 to 6 random words
  - **SwampSockCafeBurstEmpty**
- Add the site each password is for at the end
  - **Ismcf$5i16itunes, Ismcf$5i16netflix, Ismcf$5i16amazon**

Social Media

# Etiquette

If you can't say something nice, don't say nothing at all.

# Rule #1

The Golden Rule

# Rule #2

The Internet is forever

# Rule #3

We can still see you

# Rule #4

Beware the overshare

# Rule #5

It's okay to say goodbye