



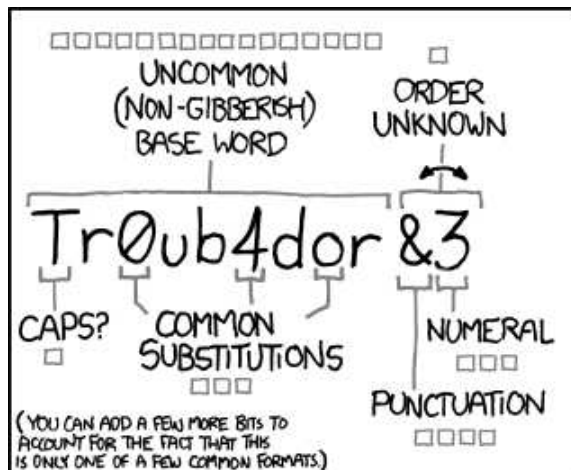
# Tech Class – Pinterest

## Resources

- Pinterest – <https://www.pinterest.com/>
- Video: What's Pinterest – <http://bit.ly/S2yVww>
- Guide – <https://help.pinterest.com/en/guide/all-about-pinterest>
- Tutorial – <http://www.gcflearnfree.org/pinterest/>
- Class website – <http://www.mhklibrary.org/technology-education/pinterest-basics/>

## Social Media Advice

- Staying safe online
  - Use maximum privacy and security settings
  - Don't add friends who aren't your friends
  - Create strong passwords and don't reuse them
  - Always make sure to log out when you are done on your computer
- Rules for creating a strong password: What **not** to do
  - Don't use sensitive information (names, birthdates, addresses, etc.)
  - Don't use single words or sequential numbers or letters
  - Don't use the same password for multiple accounts
  - Don't store your passwords in your browser
- Rules for creating a strong password: What to do
  - Start with a phrase that means something to YOU
  - Switch out letters in the phrase with numbers and characters
  - Add capitalization to make passwords more complex
  - Make it at least twelve characters long
  - Change your passwords regularly
  - Write them down in a safe location
- Password examples
  - FasterFingers = **F@573rF1ng3r5**
  - I sold my camel for five dollars in 2016 = **Ismcf\$5i16**
  - 4 to 6 random words =  
**SwampSocksCafeBurstEmpty**
  - **Ismcf\$5i16itunes, Ismcf\$5i16netflix, Ismcf\$5i16amazon**
- Social media etiquette
  - 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



~28 BITS OF ENTROPY

$2^{28} = 3 \text{ DAYS AT } 1000 \text{ GUESSES/SEC}$

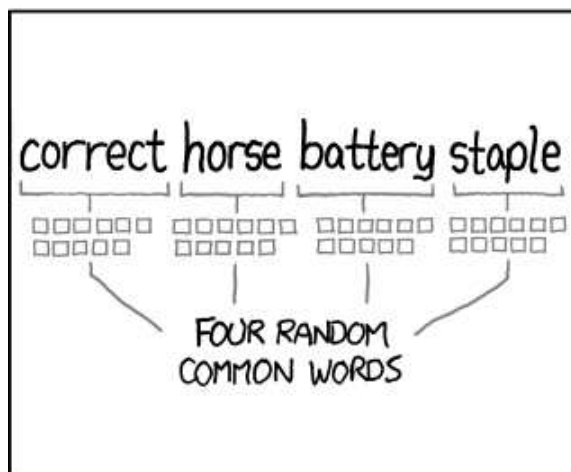
(PLAUSIBLE ATTACK ON A WEAK REMOTE WEB SERVICE. YES, CRACKING A STOLEN HASH IS FASTER, BUT IT'S NOT WHAT THE AVERAGE USER SHOULD WORRY ABOUT.)

DIFFICULTY TO GUESS: **EASY**

WAS IT TROMBONE? NO, TROUBADOR. AND ONE OF THE 0s WAS A ZERO?

AND THERE WAS SOME SYMBOL...

DIFFICULTY TO REMEMBER: **HARD**



~44 BITS OF ENTROPY

$2^{44} = 550 \text{ YEARS AT } 1000 \text{ GUESSES/SEC}$

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.