



To be Encrypted or Not to be Encrypted

Objective: To learn what website encryption is and be able to identify if websites are encrypted.

What is Site Encryption?




How can you know your site is encrypted?

Definition: Website encryption

HTTPS (Hypertext Transfer Protocol Secure) is a special way to keep messages safe when you talk to a website. It's like a secret code that keeps your words safe. When you send messages to the website, they get turned into secret code to protect them. And when the website talks back to you, it also uses secret code to keep things safe.

You can tell if a website is using HTTPS by looking at a tiny lock in the address bar at the top of the screen, just to the left of where the website's name is. If you see the lock, it means your messages are safe. But if there's no lock or if the lock has a red line through it, it means your messages are not safe, so be careful!

Activity

Website Encryption scavenger hunt. See if your favorite places are safe places to share your information. Take the time to explore the following and find the HTTPS or the 

- Found Encryption on your favorite social media
- Found Encryption on your favorite gaming site
- Found Encryption on your online email access
- Found Encryption on an online learning site
- Found Encryption on your favorite video streaming website
- Found Encryption on your favorite search engine



Did you discover a place you frequently visit that was not encrypted? Discuss with others why website encryption is important before sharing your information?

