

Capture the Flag

An introduction to Cyber Security challenges



What is CTF? 🚩

- Fun and engaging activities to engage students
- “White-Hat” Hacking
- Teaching problem-solving and lateral thinking



Different types of CTF

- **Cryptography:** encoding information so only the intended person can read
- **Forensics:** recovering a digital trail left on a computer
- **Steganography:** hiding data in plain site
- **OSINT:** Open-Source Intelligence – gathering and analysing information that is available to everyone

There are many more styles of CTF that you can read about here:

snyk.io/articles/ctf/ctf-types/

Why do we do it

- Allow participants to gain hands-on experience and develop practical skills in cybersecurity
- The need for being secure
- How systems can be hacked
- Learning how to solve problems, talking through solutions

Challenge Sites

- Saburra Challenge - ctf.lonetree.xyz
- Pecan+ - pecanplus.ecusdf.org



Resources

- <https://www.csnp.org/post/capture-the-flag-for-beginners>
- <https://ctf101.org/intro/what-is-a-ctf/>
- <https://snyk.io/articles/ctf/ctf-types/>