Wireshark – captures every computer domain transaction.

Kerberos –

KCD – Key distribution centre – checks passwords

1. Request Authentication
2. Receive authentication
3. request ticket
4. receive ticket
5. Use ticket for service
6. repeat ticket request if necessary

Active Directory – user information for server

2 step – second step once you’re connected

multi factor – both steps before connection

Full Disk Encryption – password for disk and similar objects

client – PC

Terminal Server – for multiple users

Hash – irreversible encryption 128 bits long depending on

OSI – Physical – Data Link – Network – Transport – Session – Presentation – Application

TLS – level 5

SSL – remind teacher

Telnet

HTTPS

cyphertext – encrypted

algorithm – how the encryption and decryption work, the mathematic function that creates the cypher

key space – all possible keys

key – parameter in the algorithm, the secret to decrypting the cypher.

algorithm needs content and key to work

algorithm is known, key is a secret

Transposition – change letter placement

rail fence or columnar

Substitution – change letters with others

Caesar

Rot13

ATBASH