1-Overview Content – Read Below
Threats
- According to Robinson, Brown, and Green (2010), in Access Vs. Security, Network security is the maintenance or safeguard of any network. This could be a network at home, school or workplace.
- There are multiple aspects of security, which include keeping computer software, applications, and hardware safe.
- Another important aspect of network security is the protection of data that may contain confidential or sensitive information like, credit card numbers, social security numbers, student grades, etc.
- Security is important to keep all of these aspects of a network safe from things such as corrupt files, spam or viruses.
- Computer networks that are brought down by viruses can also stop learning and harm students, mentally and psychologically.
- A network that is hit with a virus can disrupt productivity and can cost millions of dollars. This can also be costly in terms of time.

Misconceptions
- Many may believe that viruses and computer network attacks aren't preventable
- Some also believe that anyone with a little knowledge and a computer can bring down an entire network, affecting everyone.
- Some people simply fear the unknown of technology and the power of computer networks.
- For example, movies like "iRobot" and "The Terminator" depict a takeover of uncontrollable technologies. These fictional depictions mixed with the experience of real technology failures can develop in individuals fear of the power of technology and the need to maintain control at all times.
- To prevent problems and technology failure, many tend to take the path of locking down and restricting devices to prevent issues from occurring.
- Teachers, in particular, may not be willing to use a computer or other technologies because of the fear that something may go wrong with the technology and ruin their lesson.
- A common misconception is that locking down technology is the best way and only way to provide safe. However, doing taking the route of locking down a computer network can make the user-experience unfriendly and thus, reduce the likelihood that the user willing uses the system in the future.

Reference

Robinson, L., Brown, A., & Green, T. (2010). Network Security Versus Access. In Security vs. access balancing safety and productivity in the digital school. Eugene, Or.: International Society for Technology in Education.