

Innovative Pedagogy

Activity 1:

Topic: Evolution of Internet

Audience: Class 12 CBSE Students.

Objective: Students will be able to understand the evolution of the Internet from ARPANET.

Procedure:

Thinking Phase: A number of different agency and universities were working on the research area. These research themes were co related in different research agencies. They wanted to collaborate with each other. How will they do it?

Pair Phase: Students should discuss their idea with the neighbor students and refine their answer.

Answer Sharing: Once refined their answer, students are encouraged to share their answer with the entire class for better understanding of the class.

Activity 2:

Topic: Network Types

Audience: Class 12 CBSE Students.

Objective: Students will be able to understand the types of networking which is based their geographical span.

Procedure:

Thinking Phase: As a network is a connection of different devices which can share their data and other resources. This network can be consisting of 2 devices over small area or of more than 10 or 50 devices covering a building or a campus. It can also be consisting of many more devices covering a larger area.

Students are required to think for the solution of categorizing the network?

Pair Phase: Students should share their solution with neighboring student and reform their solution.

Share Phase: The solution should be shared by the students with the class for further brainstorming.

Activity 3:

Topic: Security Threats

Audience: Class 12 CBSE Students.

Objective: Students will be able to understand the types of network threats.

Procedure:

Thinking Phase: A network is a collection of different devices for sharing their resources. In this sense the devices are open to the external world via network connection. This can be exploited by the malicious persons for attacking your network and making it dysfunctional.

Students are required to brainstorm upon the possible network resources which can be attacked upon. What type of malfunctioning the attacker can cause and how to categorize such attacks?

Pair Phase: Students should share their solution with neighboring student and reform their solution.

Share Phase: The solution should be shared by the students with the class for further brainstorming.