CSpathshala
Bringing computational thinking to schools

Overall goal of the lesson	Children will learn about computer network.
Prior knowledge required	Knowledge of the concept of a network (done in Std. 1)

MODULE 1:   **Module time:** 35 minutes

Goal:	To explain in detail the concept of network. Explain how computer network is formed.
Description:	Children will learn more about networking.
Material required:	**Physical:** 1. One copy of the worksheet (Introduction to Networking) per child. 2. Writing material to solve the worksheet: pencil and eraser. **Electronic:** PPT Presentation for Introduction to Networking
Procedure Details:	1. Start the class by asking children how they came to school today. 2. Some will say by road, by bus, by car. Now tell them that they used different roads to reach school. 3. Further tell them that the roads are all connected to each other. 4. These interconnected roads form a "Network of Roads". 5. Thus explain them that two or more points connected together form a network. 6. Ask them if they can think of any such examples of network. Wait for an answer. 7. Now tell them how spider web forms a network with interconnecting threads. 8. Now explain them that computers are also connected with each other. 9. Ask the students if they know how are the computers connected. Wait for an answer. 10. Explain to the students that the computers are not actually connected with wires. Instead a computer is connected using a special device called switch which connect to the Internet using wires. 11. These interconnected computers form a computer network. 12. The largest connected network is called Internet. 13. Show them pictures of wires, routers and switched 14. Further tell them that computers can also be connected without wires using W-Fi. 15. Explain them that we can connect different devices to a network. We can connect printer to one computer on a network and then all other computers on a network can use that device. 16. We can also connect other devices like scanners, fax machine to the network. 17. This concludes the teaching part. Now assess the students on the knowledge they gathered during the lecture. Ask them the questions from the Assessment slide. What is a computer network? How are computers connected to each other? What is the largest computer network called?