TEACHING GUIDANCE

1.1 ICT Tools

- A teacher must start the chapter by asking learners whether they have heard about ICT. Also, ask them to try to describe this term as per their knowledge about computers and communication.

- After assessing their knowledge about ICT, the teacher can explain the meaning of Information Communication Technology (ICT) and describe its significance in the development of the modern society.

- The teacher can also ask learners about the tools that are generally used for communication purposes. Further, explain various ICT tools and their purposes in class.

1.2 Applications of ICT

- Ask learners whether they have noticed the application of ICT tools in the field of education, health care, governance, etc.

- Describe the role of ICT in bringing the growth and development of business and society.

1.3 Negative Impact of ICT on Society

- Discuss the negative impacts of ICT in different societies, such as the divide between the people living in the rural and urban areas. Use of e-mails, SMSs and MMSs has reduced the concentration of people on other activities, which has led to infomania.

1.4 Information Processing Cycle

- Ask learners about the difference between data and information.

- Describe how data become information and is stored in computers using real-life examples.

1.5 Major Threats of ICT

- Start with describing that it is the responsibility of users to ensure that the environment of the Internet remains safe and secure for themselves and others during information exchange.

- Explain that the people in the IT field generally use unethical practices to access sensitive information from others' computer and find different ways to crack the security system of the computer to get information. Also, tell learners that because of all this, a computer is always vulnerable to attacks.

- List common causes of attacks, such as worms, malware, spyware and spam. Also, tell learners about hackers, who break into a computer system with no malicious intent, and crackers, who gain unauthorised access to a computer with the intention of stealing information or causing harm to the computer by destroying its software.

- Present a list of any five cyberattacks that have taken place recently in the world.