

Topic: Understanding Technology

Sub-topics:

1. Meaning of Technology
 2. Technology-Related Professions
 3. Importance of Technology
-

Lesson Objectives

By the end of this lesson, students should be able to:

1. Define **technology**.
 2. Identify **professions related to technology**.
 3. Explain the **importance of technology** in everyday life.
-

Introduction

Technology is everywhere around us — from the mobile phones we use to the buildings we live in. It involves the use of **scientific knowledge** to solve problems and make life easier.

1. Meaning of Technology

Technology is the use of **scientific ideas, tools, materials, and skills** to create products or solve practical problems in our environment.

It involves designing, making, and using machines, tools, and techniques to help humans.

Simple Definition:

Technology is the way people use their knowledge and tools to improve their lives and solve problems.

2. Technology-Related Professions

There are many jobs and careers that involve technology. These are called **technology-related professions**.

Examples of Technology-Related Professions:

Profession	What They Do
Mechanical Engineer	Designs and repairs machines and engines
Electrical Engineer	Works with electricity, wiring, and circuits
Civil Engineer	Designs and builds roads, bridges, and buildings
Architect	Designs buildings and construction plans
Auto Mechanic	Repairs and maintains cars and engines
Computer Technician	Builds, repairs, and maintains computer systems
Welder	Joins metals together using heat
Plumber	Installs and repairs water and drainage systems
Surveyor	Measures land and marks boundaries for buildings and roads
Electronics Technician	Works with electrical and electronic devices

 These professionals use **tools**, **machines**, and **scientific ideas** to perform their work.

3. Importance of Technology

Technology plays a very important role in our daily lives, education, and national development.

Key Importance of Technology:

1. Solves Problems

- Technology helps to provide **solutions** to daily challenges like transport, communication, and construction.

2. Improves Communication

- With phones, the internet, and computers, we can talk to people far away quickly.

3. Creates Jobs and Careers

- Many people earn a living by working in technology-related fields.

4. Supports Education

- Learning is easier and more fun with projectors, computers, smartboards, and online tools.

5. Improves Healthcare

- Hospitals use machines and equipment (like X-rays and scanners) to treat patients.

6. Enhances Transportation

- Cars, trains, airplanes, and ships help us move quickly and safely.

7. Boosts Agricultural Production

- Machines help farmers plant, harvest, and process food in large quantities.

8. Improves Building and Construction

- Buildings, roads, and bridges are built stronger and faster using modern technology.