

Class- V
Subject-Science
Chapter -9 (Lecture-01)
Technology in our life
Class Date-23/06/2020



Science:

Science is the knowledge or study about the natural world through observation and experimentation to describe and explain natural phenomena.

Technology:

Technology is the practical application of science to solve the problems of our life. Technology is used in many fields such as education, medical care, communication, and transportation.

Difference between Science and Technology:

Science	Technology
1.Science seeks truth that enrich human life.	1.Technology helps in spreading the devices in our civilization.
2.Science is an organized knowledge.	2.Tecnology is an application of knowledge to various system and sub system.
3.Science is a quest for enlightenment	3.Technology teaches the process to enlightenment.
4.Science is the process of exploring new knowledge.	4.Technology is the use of laws of science to create new products.
5.Science will never change with time.	5.Technology changes with time.

Relationship between Science and Technology:

Science and Technology have different purpose, but they are closely related to each other and both playing a vital role in our life.

Scientists have studied the natural world to explain natural phenomena without a purpose of solving practical problems. They have discovered scientific knowledge such as electricity and light. On the other hand, they apply science knowledge to create products and tools for improving their life which we know as technology.

So, it can be said that science and technology have an interconnection between them.

Science and Technology depends on each other- Explain the statement.

The technology applies scientific knowledge to create products and tools. Scientists also use technology when they study the natural world. For example, a telescope makes it possible for scientists to see objects far into space. Scientists use a microscope when they investigate the objects that cannot be seen with naked eyes. So, now a day's science and technology depend on each other.

Questions related with this topic

1. What is Science?
2. What is Technology?
3. What is used to invent different technologies? (2018)
4. Write five difference between science and technology. (2018,2016)
5. How do Scientists study the natural world?
6. How do science and technology depend on each other?
7. Write the relationship between Science and Technology
8. How does technology use the knowledge of science? (2016).

Answers of the questions

1.

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2.

Technology:

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3.

Science is used to invent different technologies.

4.

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5.

Scientists observe and experiment with different natural events. Thus, they get some information and then they explain the information. The scientists follow the following steps- observation, question, hypothesis, experiment, conclusion, sharing. Together the steps are known as the scientific method.

6

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8.

Technology use the knowledge of science

Technology is the practical application of science to solve the problems of our life. Technology uses science knowledge to design products, tools, and processes that improve the quality of human life.

For example, Scientists have studied about electricity and built up our understanding of electricity. This scientific knowledge is applied to create technologies such as refrigerator, TV, mobile and light

Technologies used in many fields such as education, medical care, communication and transportation.