

Technology Resources

PIMTECT

Every technological system makes use of seven types of resources: people, information, materials, tools and machines, energy, capital and time.

Since there is limited amount of certain resources on the earth, we must use these resources wisely.

To choose resources wisely, people must understand the uses and limitations of each resource.

When we choose resources, we must sometimes make trade-offs in order to reach the best possible solutions.

To solve technological problems, we choose resources from each of the seven categories of resources.

Important factors in choosing resources are cost, availability, and appropriateness.

People- Humans design and creat technology using their knowledge and Intelligence

Information-People turn information into knowledge by giving it meaning

Materials-The physical substances that are used in a process

Tools and Machines- Tools extend the capabilities of people, Machines are tools that change the amount, speed or direction of a force.

Energy- the ability to do work

Capital- any form of wealth provided by tax payers, government

Time- a quantity in years, days, hours, minutes, seconds, or parts of a second