

STANDARD 6

SCIENCE

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SCIENCE STANDARD 6			
NO	TOPIC	DATE	REMARKS
1	INTRODUCTION TO SCIENCE		
2	HUMAN NERVOUS SYSTEM & REPRODUCTIVE SYSTEM		
3	MICROORGANISM		
4	INTERACTION AMONG LIVING THINGS		
5	PERSERVATION & CONSERVATION		
6	FORCE		
7	SPEED		
8	FOOD PRESERVATION TECHNOLOGY		
9	WASTE MATERIAL		
10	ECLIPSE		
11	GALAXY		
12	STABILITY & STRENGTH		
13	TECHNOLOGY		

TECHNOLOGY AND ITS IMPORTANT

Humans are able to perform various daily activities by using their senses and limbs. However, humans have limitations in their ability to perform their daily activities. Thus, we need to use technology

The Invention

Various tools have been invented to help overcome human limitations

Devices	Limitations that can be overcome	Devices	Limitations that can be overcome
Microscope 	Can observe tiny living things such as bacteria	Stethoscope 	Enable human to listen to heartbeats clearly as human ears are not able to hear sounds with very low frequency
Telescope 	Enables humans to observe the Moon, other planets and objects that are very far in space	Mobile phone 	Enables long distance communication between humans
Speaker 	Amplify our voice to be heard	Cars, airplane, train 	Able to move farther in a short time
Computer 	Able to connect, calculate, and typing	Binoculars 	Can see distant objects



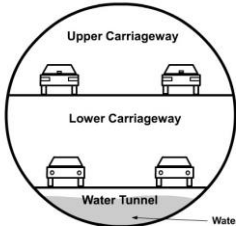

Technology


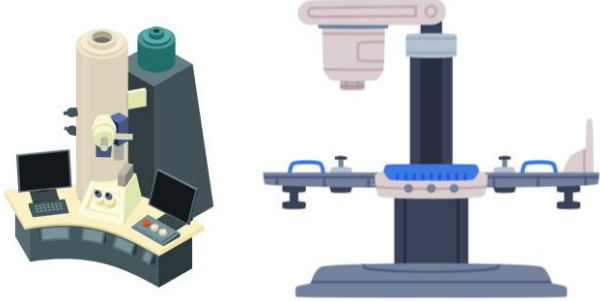

The application of scientific knowledge to help overcome the limits of human ability

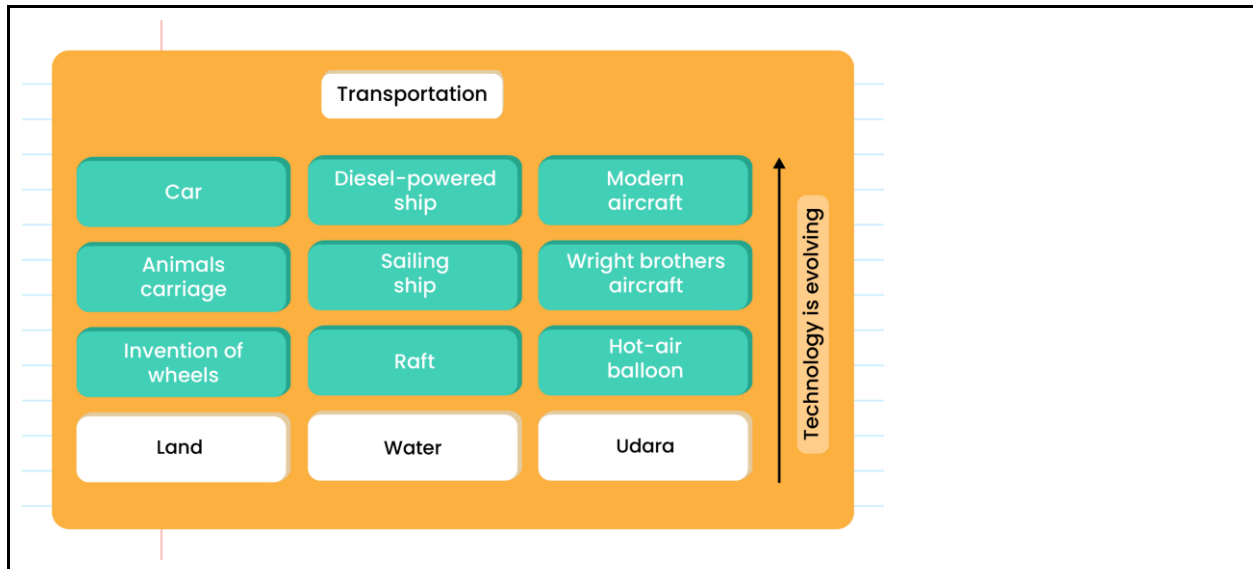
Development of Technology

How does development of technology in various fields help us in our daily lives?

- Various conveniences and a more comfortable life are now the result of technological development
- Technology is developing rapidly in various fields such as agriculture, transportation, construction, communication and medicine

<p>Agriculture and Farming</p> <p>Modern tractors</p> <p>Using animals</p> <p>Using hoes</p> <p>Technology is evolving</p>	<p>Use of spray fertilizers</p>  <p>Use of auto chicken feeder</p> 
<p>Construction</p> <p>Concrete house</p> <p>Wooden house</p> <p>Cave</p> <p>Technology is evolving</p>	<p>SMART tunnel</p>  

<p>Medicine</p> <p>CT scanner machine</p> <p>Microscope</p> <p>Vaccine and medicine</p> <p>Herbal plants</p> <p>Technology is evolving</p>	<p>MRI</p>  <p>Electron microscope</p> 
<p>Communication</p> <p>Mobile phone</p> <p>Invention of the telephone by Alexander Graham Bell</p> <p>Using birds as messengers</p> <p>Beating drum</p> <p>Technology is evolving</p>	








ADVANTAGES AND DISADVANTAGES OF TECHNOLOGY

Technology can overcome the limits of human capabilities. Humans have created various tools to overcome the limits of their capabilities by applying scientific knowledge







ADVANTAGES OF TECHNOLOGY	DISADVANTAGES OF TECHNOLOGY
The use of drones to spray insecticides on crops can save time and human effort	The lifespan of drone batteries is limited and the disposal of drone batteries can cause pollution
Medical technology can improve the quality of human health	Medicines can be abused, causing social problems and health problems that cause death
More houses can be built on hillsides	Destruction of flora and fauna due to deforestation
Unlimited and fast sharing of information can save time	Negative influences spread easily in addition to data that is easily hacked
The increase in motorized vehicles makes it easier to move from one place to another	The release of harmful gasses contributes to air pollution

EXERCISE**A. What is meant by technology**




B. State the importance of the equipment

C. State the field that related to the technology advancement below

D. Observe the diagram, state the name of the following technology tools and human limitations that can be overcome using tools

a.		Tools: Human limitations :
b.		Tools: Human limitations :
c.		Tools: Human limitations :