

SCIENCE AND TECHNOLOGY IN OUR WORLD

What is Technology?

Technology is using science in order to solve different problems.

Technology uses things we know about science to make tools for people to make doing work easier.

Technology can be as simple as a hammer...



or as comp



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Uses of Technology

Machines are a kind of technology.
Machines make doing a job take less time.



Example: Farmers use machines to plow their fields and to plant seeds. They even have machines that pick some of their crops for them (like corn).

Tools are Technology!

Tools help us do different jobs and make the job easier to do.

Example of tools:



A knife helps people cut things.

Remember: only ADULTS should use knives.

Scissors help

Invention

Many new

Invent me



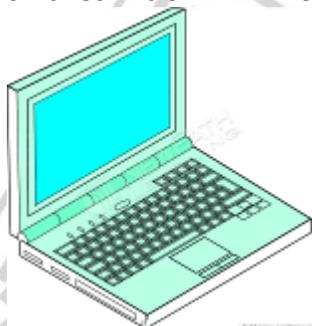
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What does invent mean?

A computer is an example of technology that people did not have many years ago. A computer stores, sorts, and organizes information and can do MANY other things too!



You may use the Internet on the computer. The Internet is a form of technology too.

Tools and technology are used to help people talk to one another when they are not near each other. When you want to call someone who you are not close to – you call them on the telephone!

You can thank technology for your house too! Your house is made up of walls and a roof that were made with technology. You also have special pipes that bring cold and hot water in and out of your house...that is all thanks to technology!

Technology Changes Over Time

Technology changes many things in our world! We do not live the way people lived 10 years ago because of all the new improvements in technology.

What is different now?

How we get from one place to another is different! This is called **transportation**. We have different ways to get from one place to another.



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What we drive ON is different too – thanks to the changes in technology! Now we have highways – which did not exist 100 years ago.



There were trains 100 years ago, but they were not as fast as the trains we have today!

Do you like to watch TV? **Television** is a product of technology too! Television has improved because of new inventions in technology. For example, the picture on TVs used to be in black and white, but now the picture is in color and the picture is SUPER clear! You have seen the television technology change in your life already.

Electricity is used to power many types of technology, including machines and tools such as our refrigerators and hair dryers.

You know that a long time ago, people used fire to create heat for cooking. Technology has improved over time so that we now use gas, oil, or electricity to cook our food in ovens and on stoves!



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We are able to know what the **weather** will most likely be tomorrow because of technology too! Meteorologists are people who study the weather. They use tools and technology like radar to help them figure out what the weather will be like for the next few days.



**Let's check what we have learned so far:
Name a technology you have seen change over the years**



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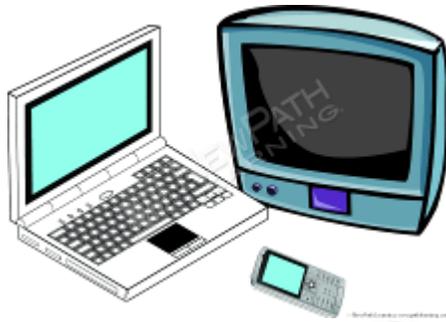
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Technology supplies us with the things we need to live, such as:

- water, through filtration systems and plumbing
- food because of farm technology and trucks and trains that bring the food to us.



Technology helps us communicate with one another by telephones and computers.



*Let's check what we have learned so far:
What is one reason technology is important to us?*



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