

What is the relationship
between science, technology,
society & the environment?

Science

- A body of knowledge or facts.
- A process or way of approaching a topic.

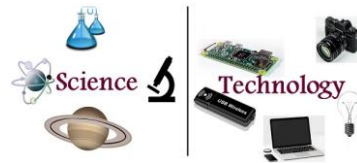


Technology

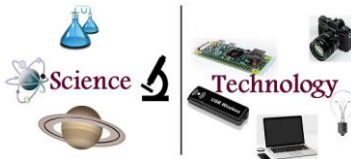


- Applied science.
- Involves the use of devices, processes, and materials to solve problems.

Is it...?

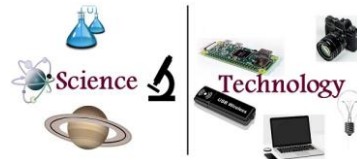


Is it...?



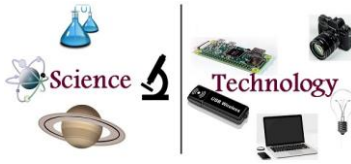
- Aluminum is a light weight metal.

Is it...?



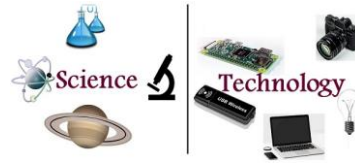
- Aluminum is a light weight metal. (S)

Is it...?



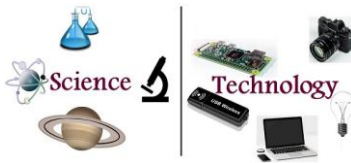
- Aluminum is a light weight metal. (S)
- Airplanes are made from aluminum.

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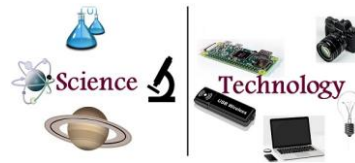


- Aluminum is a light weight metal. (S)
- Airplanes are made from aluminum. (T)

Is it...?

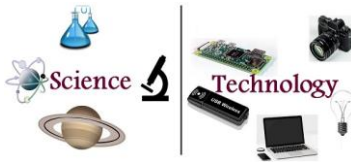


Is it...?



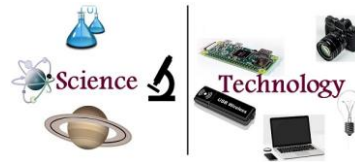
- Fat and lye when heated will make a yellow substance.

Is it...?



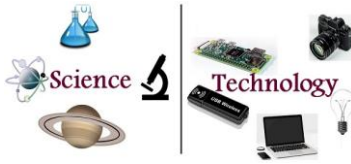
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Your Example

- Turn to a partner and come up with an example of an item or action that includes both science and technology.
- Consider: glass lenses, making cookies, drinking a soft drink, playing an instrument...



Are Science and Technology Related?

- Yes! Advancements in one can help further the other.

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 - Science discoveries can lead to new or better technology.
 - Better technology can lead to new scientific discoveries.

Are Science and Technology Related?

Example: Cold temperatures reduce the growth of bacteria and fungi. (S)

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Associated technology:

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Associated technology:

History of the refrigerator



Science and Technology in Society

- Society refers to a group of people in a particular place, linked by common interests.



Science and Technology in Society

- Society can influence the direction of science and technology.



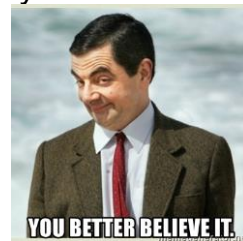
Science and Technology in Society

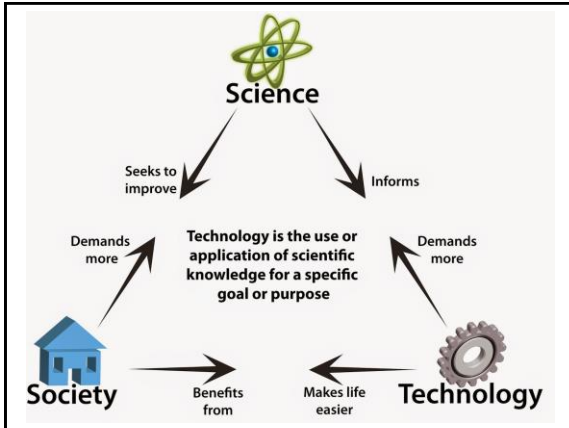
- As well, both science and technology have an immense impact on society.



So...science, technology and society are all related?

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Science, Technology, Society & the Environment

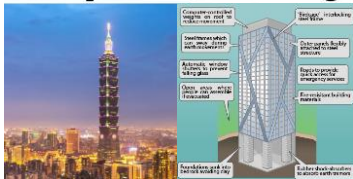
- The environment refers to the physical area in which an organism exists.



Science, Technology, Society & the Environment

- The environment often motivates science and determines technology based on society's wants/needs.

Earthquake Proof Buildings



Science, Technology, Society & the Environment

- Society and technology can improve or destroy the environment.



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