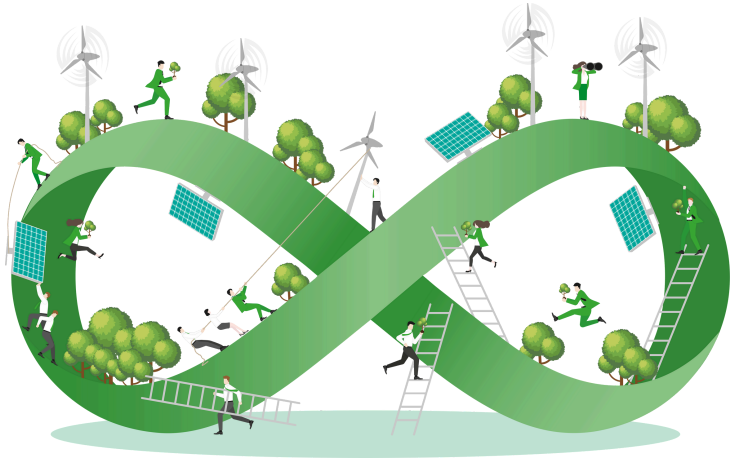




Sustainable & Smart Technology



Sustainable Technology: It includes reusing, recycling, reducing pollution, protecting natural resources and energy efficiency with the aim of minimizing our environmental impact. It is also known as “**green**” or “**eco-friendly**” technology.



Can you give examples for sustainable technologies used today?

- *
- *
- *
- *



Smart Technology: It refers to devices or systems that use technology, like sensors, internet connection and/or artificial intelligence (AI), to collect and process data, learn from it and make decisions or perform tasks automatically.



Some of smart technologies are already being used commonly in our daily lives. Can you give examples for these technologies?

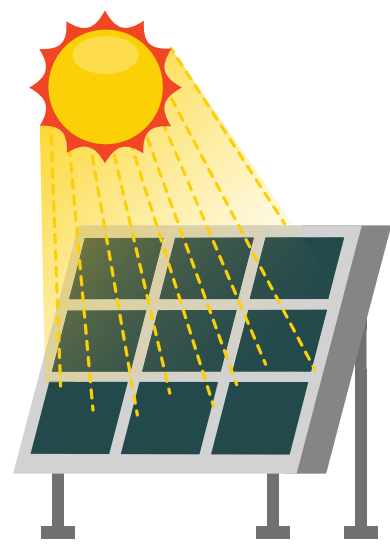
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Sustainable & Smart Home Technologies



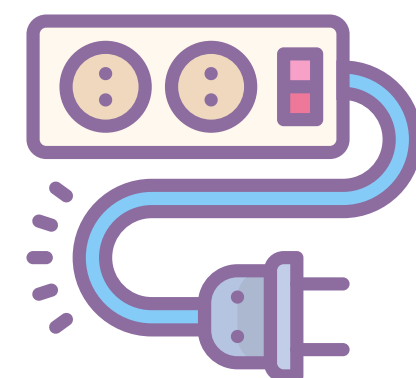
Now check the examples below. How many of them were in your list?



solar panels



wind turbines



energy saving plugs



green roof



smart thermostat



**energy saving
light bulbs**



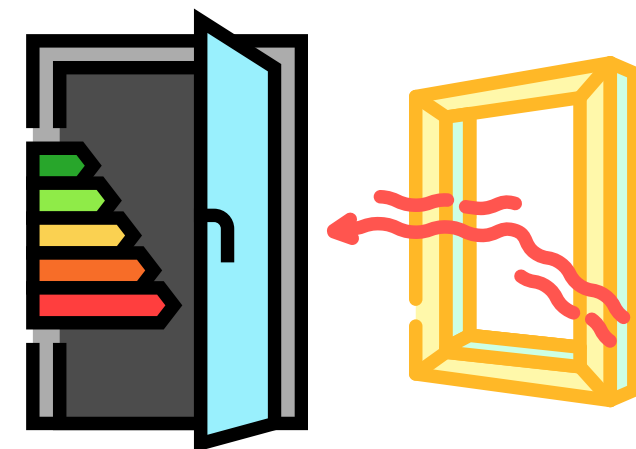
low flow taps



**rainwater
collector**



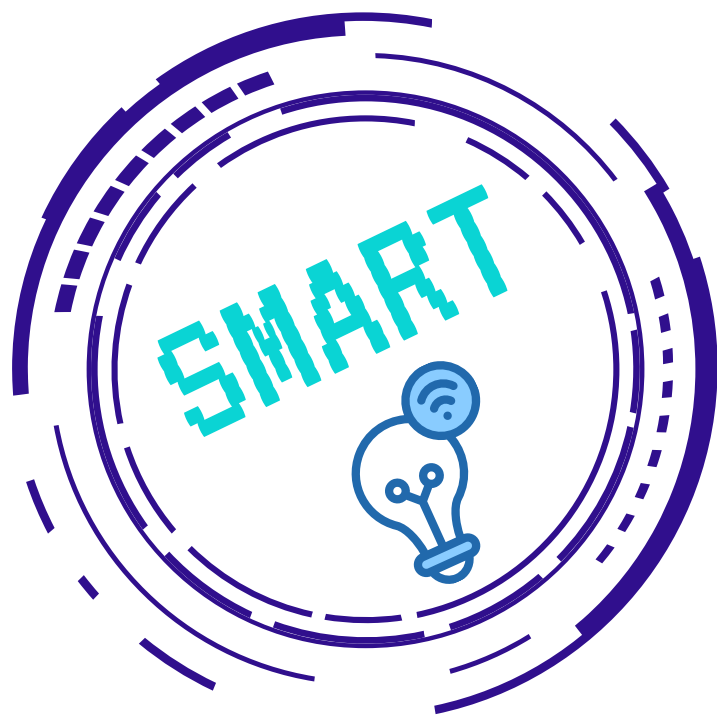
**sustainable building
materials**



**energy efficient
doors & windows**



Sustainable & Smart Home Technologies



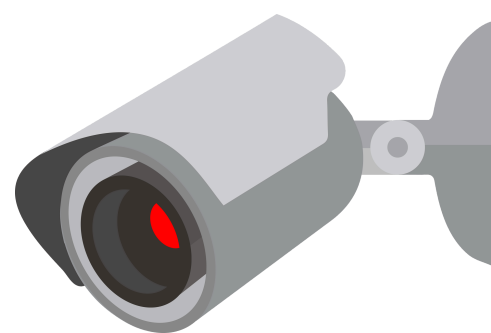
smart electronics



remote control



voice command



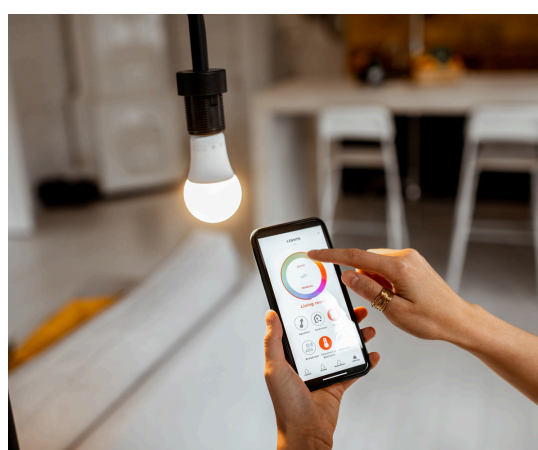
security systems



smart locks



smart speakers



smart lights



smart plugs



sensors



smart assistants



Sustainable & Smart Home Technologies

TASK

1

Choose one of the technologies which is new for you and make a research about the technology. Prepare a 3 minutes presentation for your friends. (You can work in groups and prepare a detailed presentation!)

TASK

2

Discuss the challenges of sustainable technologies.

TASK

3

Discuss the advantages and disadvantages of smart technologies.

TASK

4

DESIGN

Close your eyes and think about your dream house. Add some of the smart & sustainable technologies to your house. You can draw your house with coloured pencils or use a web tool for your design. You are free to push the limits. Use your imagination and creativity.

