

UNIT 1



MACHINES AND DEVICES AROUND US

Learning Objectives

After completing this unit, you should be able to:

- identify the machines and devices found at home, school, father's workplace, and streets;
- realize how machines and devices make life easier;
- differentiate a manual machine from an electronic machine;
- tell apart which machines and devices fall into High Tech and Low Tech;
- define power outlet and electricity; and
- trace the source and flow of electricity.

Word Power

Devices
Machines
Electronic
Manual
Power Cable
Electricity
Power Plant
Power Lines
Power Failure
Brownout
Black Out



Lesson 1



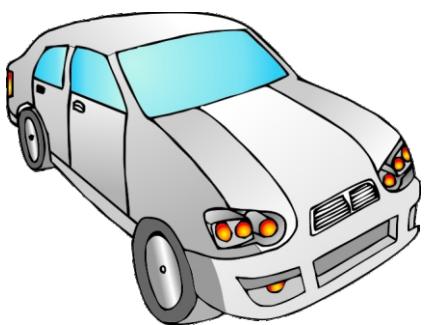
Amazing Inventions Everywhere

Machines and Devices

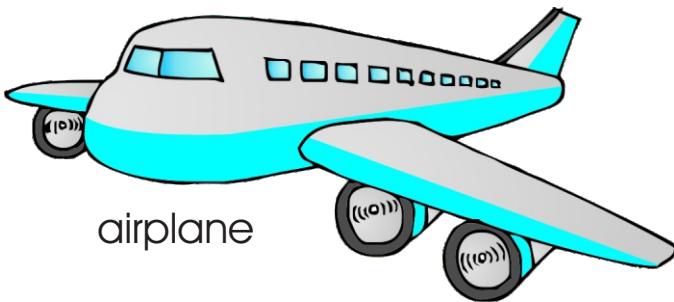
Machine is any device that helps people do their work easily and quickly.

Device is an invention serving a particular purpose, especially a machine that performs a specific task.

Below are examples of machines and devices.



automobile



airplane



bulldozer



dump truck

Lesson 1

Amazing Inventions Everywhere

Machines and Devices

Machines and devices were invented to help us do our work faster and more efficient.

At Home

We use many devices in our homes to make our daily chores easy.



Sheila uses electric iron to press her clothes.



Elle uses telephone to call his friends and Prescy plays her PS2 video games.



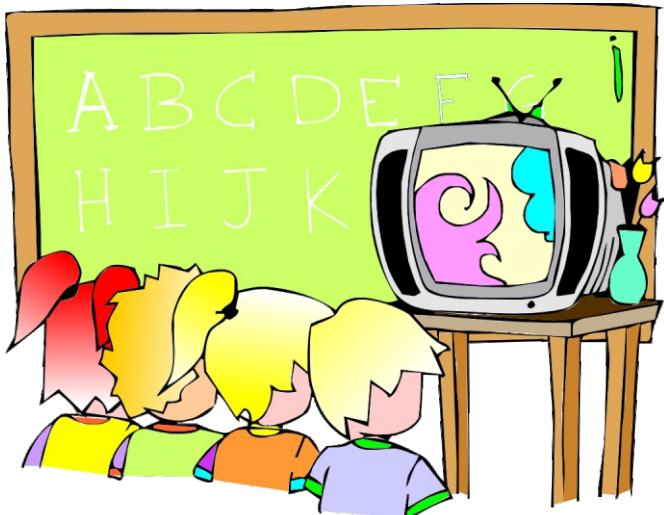
Refrigerators are used to store foods.



Helen uses washing machine to wash her clothes.

At School

Schools use machines and devices for learning purposes.



Pupils use television to watch educational shows.



Lito uses computer to send electronic mail (e-mail) to his friends.



Sir Fred uses typewriter for school records.

At Father's Workplace

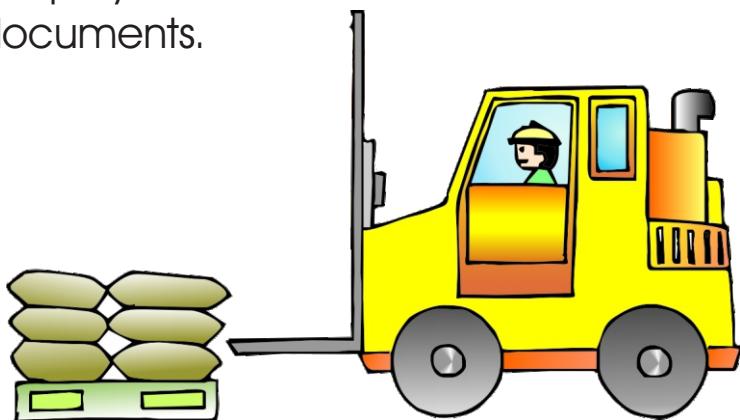
Big companies use heavy equipment machines and devices for different works.



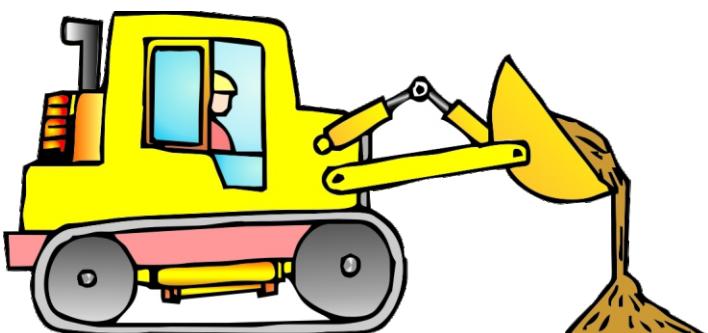
Dad's secretary uses personal computer to make employees' records and office documents.



Logger uses chainsaw to cut trees easily.



Bert operates the forklift to move cargoes from one place to another.



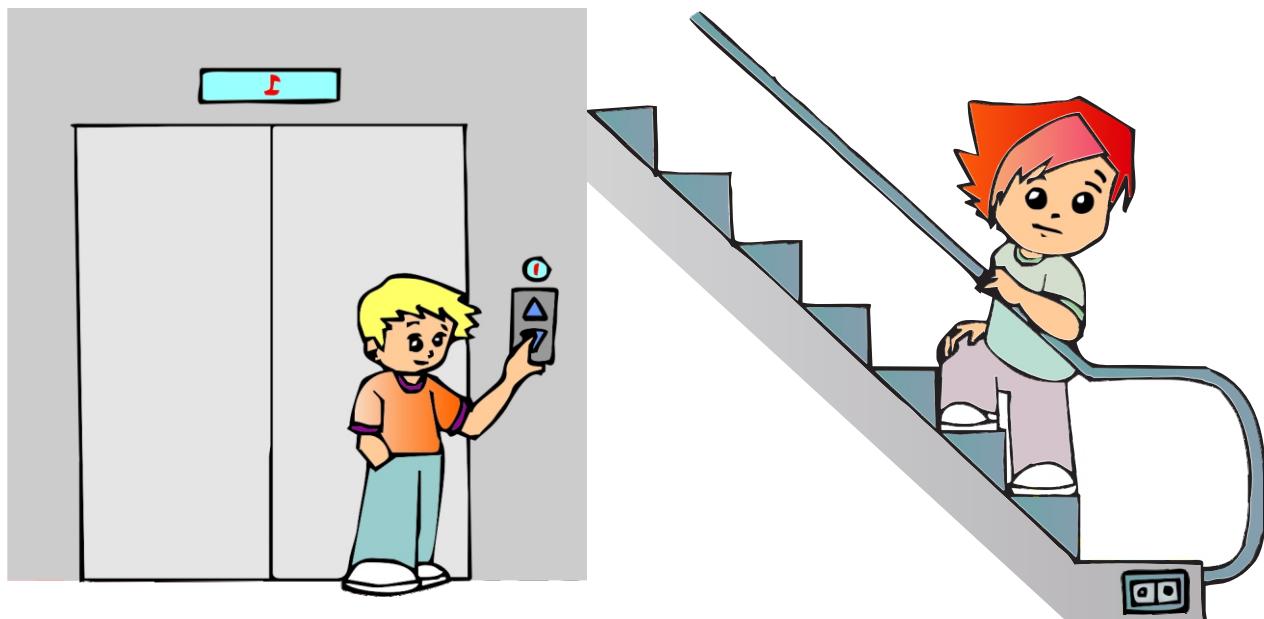
Bulldozers are used to gather sand, soil, and gravel.

At Shopping Mall

Malls use machines and devices to serve their customers well.



The cashier uses computerized cash register to record purchases of the customers.



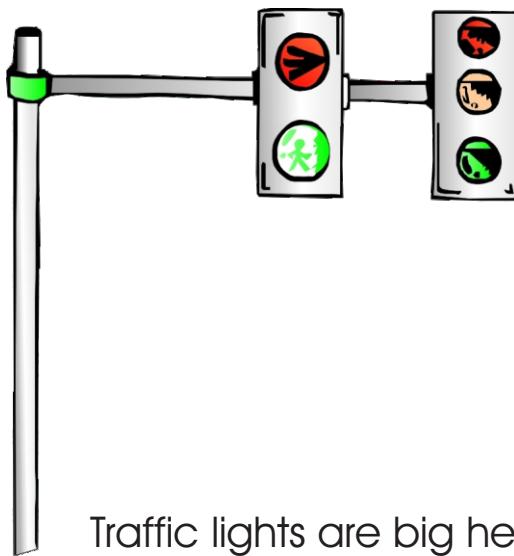
Elevators and escalators are used in shopping malls to transfer customers from one floor to another.

At the Streets

We find different types of vehicles at the streets and other devices like the traffic light.



Motorcycles are used in transportation, and also in motor racing.

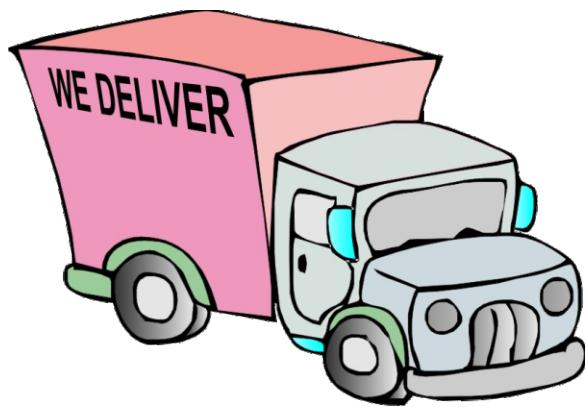


Traffic lights are big help to drivers for an organized flow of traffic.



Automobile is used to conveniently transport passengers.

At the Streets



Delivery truck is used to transport goods.

Glenda uses bicycle for exercise purposes.

