

INDUSTRIAL VISIT

You may have the opportunity to make a visit to see some form of mechanical system in an industrial or other setting. Visits need careful planning to get the most from them.

Before you go, ask yourself:

- What do I need to find out?
- What questions could I ask? (You will probably find it useful to write down some questions you would like to ask.)
- Will I write down the answers or use a tape recorder?
- Do I need photographs (or a video)? Make sure you have permission.
- Do I need to make some sketches?

Before you make your visit, you will find it useful to prepare a sheet to record the information you collect. An example is given.

Industrial Visit Record

Name: _____

Place of visit: _____

Main business of the company or place visited: _____

During your visit, you should look out for the use of mechanical systems. For each system observed, record the information listed below:

What is the function of the mechanical system?
Tick the box or boxes that apply.

Mechanism being studied	
<i>Changing the type of movement</i>	<input type="checkbox"/>
<i>Taking movement (a drive) from one place to another</i>	<input type="checkbox"/>
<i>Changing the speed of movement</i>	<input type="checkbox"/>
<i>Changing the direction of movement</i>	<input type="checkbox"/>
<i>Changing the distance of movement</i>	<input type="checkbox"/>
<i>Changing the amount of force that the movement can give</i>	<input type="checkbox"/>

Record the mechanism using a sketch or a photograph or a drawing from a descriptive leaflet or, best of all, a combination of these.

Describe, using sketches and writing, the mechanical system as fully as you can. This means describing the input, the mechanism and the output in detail.

You should also try to take measurements.

Record any data you are able to collect.

Mechanism being studied :

Quantity being measured (distance, force, rate of rotation etc.)	Input measurement	Output measurement

