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IT Teacher



CHAPTER 3

ERGONOMICS



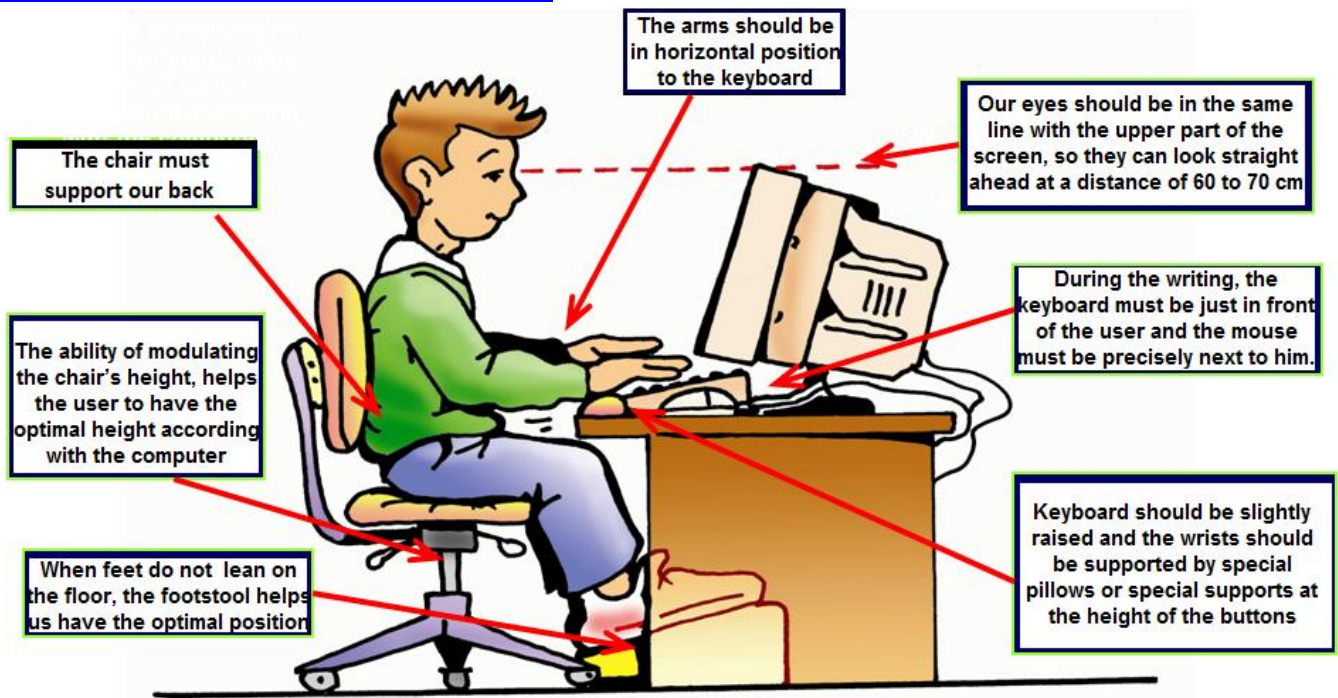
ERGONOMICS

It is a term used to describe the design of different devices human uses, as long as their **order** and **installation** inside a workspace, in such a way that a user's work becomes...

- more pleasant
- more refreshed
- more comfortable
- more efficient
- less harmful

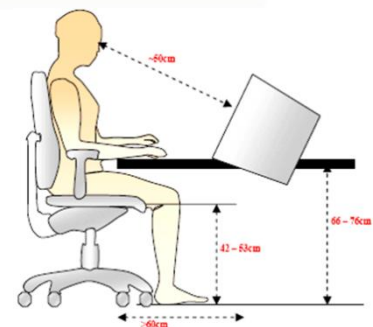
Ergonomics refers to a more **efficient usage** of hardware and software

THE IDEAL POSITION OF THE BODY



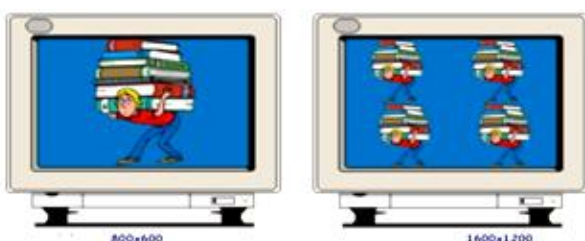
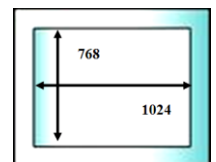
SCREEN (ERGONOMICAL RULES)

- The screen should reflect as little as possible
- The image must be **stable**
- The top of the screen should be at **eye level**
- The **brightness** and **resolution** must be properly set
- Every 50 minutes of work, we need **10 minutes break**



The screen is divided into thousands or millions of tiny rectangular areas called **pixels** (picture elements). Each pixel displays only one colour at a time for some milliseconds (refresh rate).

The **Screen resolution** is the number of pixels we find in a horizontal row and in a vertical column of the screen e.g. 640*480, 1024*768, 1280*1024, 1600*1200.



When we increase the resolution, the objects of the screen become **increasingly smaller**.