

1°ESO SCIENCE. UNIT 1: MATTER.

GUIDE FOR LANGUAGE ASSISTANT: PROPERTIES OF MATTER

Matter is everything which occupies a place and which can be weighed. We are going to study some properties of matter: length, surface, volume, mass, density and temperature. Note them in the first column of the chart.

You will learn the meaning of each property (second column), the instrument we use to measure that property (third column) and the units to express our measurements (fourth column).

PROPERTIES OF MATTER	DEFINITION	MESAURED WITH...	UNITS
LENGTH	The distance between two bodies	Ruler, measuring tape...	Metre (m)
SURFACE	The space occupied by two dimensions: length and width.		Square metre (m ²)
VOLUME	It's the total space occupied by a body.	Test tube	Cubic metre m ³ Litre
MASS	It's the amount of matter in a body.	Scale	Gram
DENSITY	It measures how concentrated the mass is.		Kg/m ³
TEMPERATURE	It's related to the amount of heat that a body give off o absorb.	Thermometer	°C

At the begining, you will just note on the board the chart and the shaty cells. Then you will explain each property. You can dictate the definitions but you can ask the students about instruments and units. For instance:

Length is the distance between two bodies. How do we measure length? If you want to know how long is your book you use a rule. If you want to know how long is the classroom you use a measuring tape. What units do we use to express length? Metre, centimetre, kilometre... but the main-most important unit is metre. We will learn the International Sistema of Units but you know that in Britain they use feet, inch, mile, yard...