

1°ESO SCIENCE. UNIT 1: MATTER.

GUIDE FOR LANGUAGE ASSISTANT: DENSITY

Sometimes, when we are working at lab with students, we use to develop several experiences and pupils moves to the different tables in order to do different works. The language assistant can be responsible of one of these experiences. For instance, experience about getting a mineral density. He/she just need to learn this:

Density measures how concentrate the mass is. To measure the density of an object we can determine the mass and the volume of the object and divide both measures, that is: $d=m/v$. I will give you a stone and you must get its density. How?

- You get mass using the electronic scale. For example, this stone weighs 80 grams
- Then you get volume using a test tube, putting the stone inside. Draw two test tubes: first showing the water level before throwing the stone and then a drawing with the stone inside the test tube.
- If the volume is 20 ml, the density will be $80/20=4$ g/ml or 4g/cc.