

SCIENCE COURSE 1

LET'S DO SOME
SCIENCE
EXPERIMENTS!



ICON

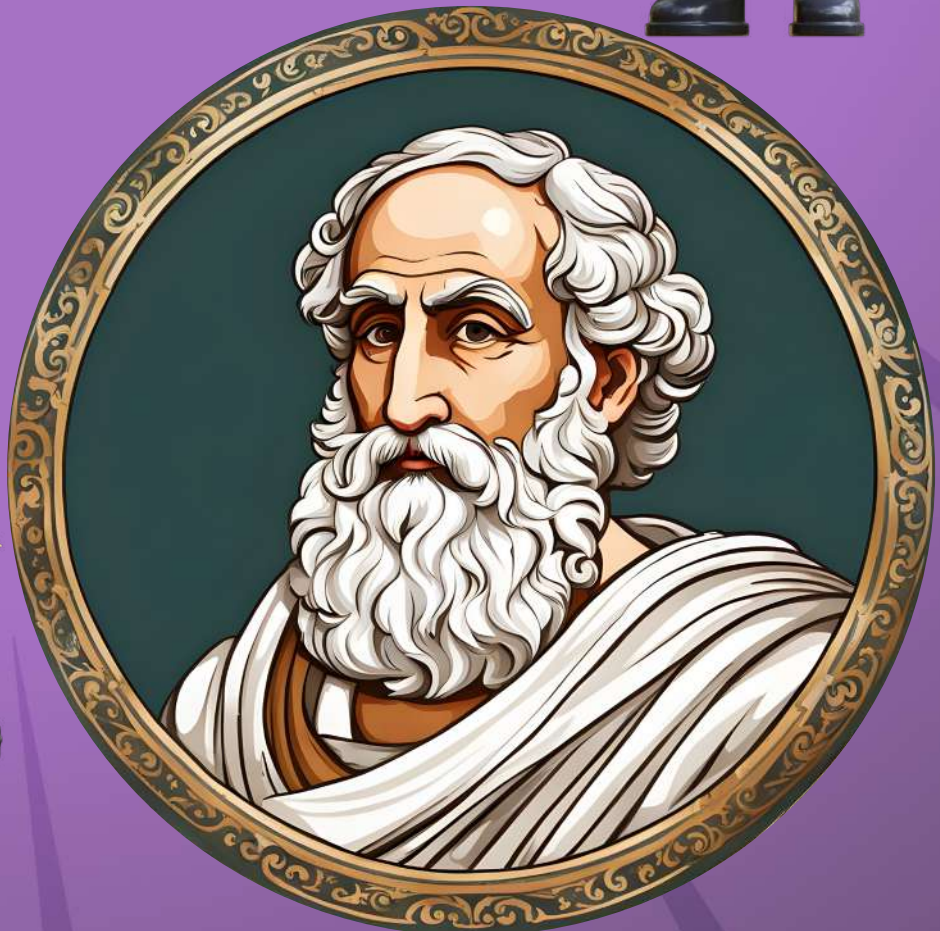
MODULE 1: INTRODUCTION TO SCIENCE



DID YOU KNOW?



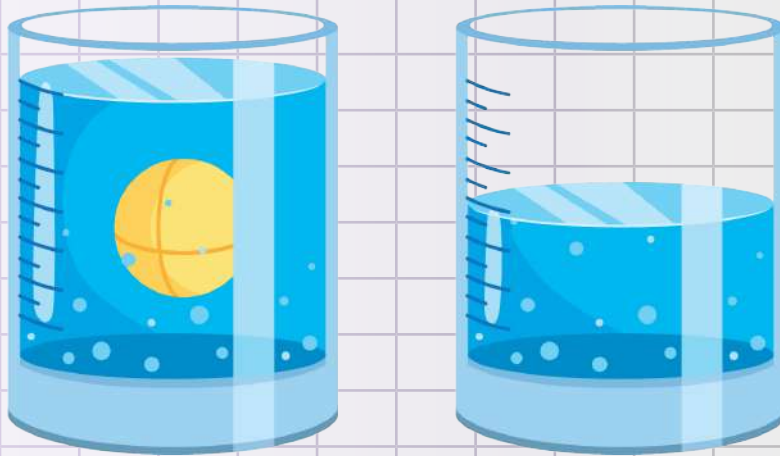
One of the most famous measurement problems is measuring the volume of the solids with various shapes. The Greek philosopher Archimedes found the way to solve this problem by putting the solid into the fluid. He measured the volume of water pulled out by the body. The volume of this water equals a body's volume. Eureka!



Experiment #1:

Archimedes measurements_

For the next experiment you will need graduated cylinder, water, and a set of small solids of different shapes. You will measure the volumes of the solids using the Archimedes method_



PROCEDURE:

1. Fill the graduated cylinder to a half of its volume.
Write the volume of water in a scientific report table as V_w .
2. Put the solid in the water and measure the volume of the water and a solid V_{ws} .
3. Calculate the volume of a solid by using a formula $V_s = V_{ws} - V_w$.
4. Repeat the experiment with other solids.

Fill the laboratory report and answer the extra question.

What other methods of measurement of the solids do You know?

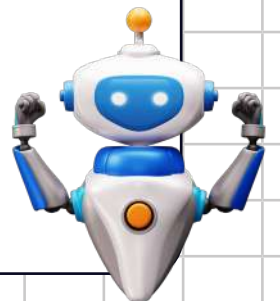
TITLE_



OBJECTIVE_



HYPOTHESIS_



MATERIALS_



PROCEDURE_



OBSERVATION_



	V_w	V_{ws}	V_s
Solid #1			
Solid #2			
Solid #3			
Solid #4			
Solid #5			

CONCLUSION_

