

blank working sheet



IS IT STILL POSSIBLE TO HAVE A BEAUTIFUL GARDEN IN THE 21ST CENTURY?

With the current challenges of climate change, resulting in heat waves that dry out the soil and deplete groundwater, water is becoming a scarce commodity, subject to increasingly regular restrictions. Watering the garden or indoor plants during periods of water restriction must therefore be done rationally so as not to waste a resource on which much pressure is already placed.

Can you develop a solution to identify and anticipate the needs of a plant?



Name your team / Name of the participants:



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DEFINE YOUR SCIENTIFIC EXPERIMENT

We invite you through this model to be creative while developing the scientific and technical points to design a unique and motivating experiment! You are free to develop your own solution or to draw on our existing protocols and pre-existing resources you can find on the internet.

OQIENŢĿŢION

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Briefly introduce your experiment, the issues addressed, the learning objectives. Define the problem to be solved, what are the learning objectives?

INTERDISCIPLINARITY

Discipline	Concept addressed through the protocol		

CONCEPTUALISATION

Formulate a hypothesis to answer the given problem.





ΙΛΥΕςτισοτιοη

Describe the steps needed to answer your hypothesis. You could use the following steps as a guide: collect the data and use sensors, display the data, make it accessible, analyse the data and conclude, use the data to propose one or more solutions.





INVESTIGATION - CONTINUED

CONCLUDE, DEBQIEF

Identify the knowledge mobilised during this phase, identify the learnings aquired, reflect on what you have gained as competencies, knowledge and skills.

