## PROTOCOL

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## GIN I MEASURE TIME USING THE FREQUENGY OF THE PENDULUWP

Time is a complex concept that can be defined as the measurement of the duration between two events. It is used to organise our daily lives and to explain natural phenomena in the universe. Time is usually measured by devices such as clocks and calendars, which use references such as the movement of stars or electronic vibrations to measure time intervals. However, understanding the nature of time has been a matter of debate among scientists and philosophers. Despite its complexity, time is a key concept that has a significant impact on our daily lives. It is used to plan appointments, holidays and daily tasks, and it is also an important element in many fields, such as science, meteorology and medicine. Ultimately, time is a concept that continues to be studied and understood, but remains a fundamental part of our understanding of reality.

## Can you develop a solution to measure time through the transformation of mechanical energy?

Name your team / Name of the participants:
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## DEFINE YOUR SGIENTIIIC 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.

## ORIEกTワ戸IOn

Briefly introduce your experiment, the issues addressed, the learning objectives. Define the problem to be solved, what are the learning objectives?
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| Discipline | Concept addressed through the protocol |
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## CONCERTUNLISOTION

Formulate a hypothesis to answer the given problem.

## InUESTIGPTION

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.

## InUESTIGPTION - CONTINUED

## CONCLUDE, DEBPIFF

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

