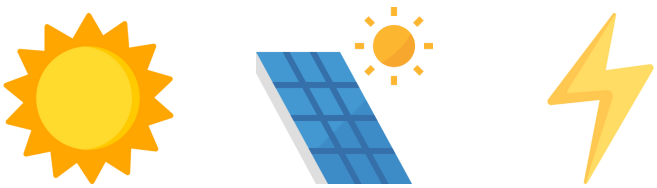




## HOW TO MAXIMISE SOLAR ENERGY INPUT AND CREATE SELF-ORIENTING SOLAR PANELS?

A solar panel works by converting solar energy into electricity. It is made up of photovoltaic cells that capture sunlight and convert it into electricity using a process called the photovoltaic effect. The electricity produced by the cells is then sent to an inverter, which converts it into alternating current that can be used to power appliances. Because of their durability and ability to produce clean energy, solar panels are considered an important form of renewable energy.

**Can you develop a solution to understand the ideal orientation of a solar panel in order to maximise its efficiency?**



Name your team / Name of the participants:

.....

.....





## INVESTIGATION

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.

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