



## DESIGN A RIGOROUS AND METHODOLOGICAL EXPERIMENTAL PROTOCOL

Create a scientific protocol to question and evaluate a specific research question



Science only truly exists if it is shared with the community. An experiment, even a brilliantly conducted one, only takes on its full meaning when it is communicated, debated, and enriched by others. Writing a scientific article is much more than a simple academic exercise: it is the natural outcome of any investigative process.

Putting students in the position of writers, researchers who promote the research conducted, is the logical continuation of the SteamCity approach. Students force themselves to forge coherent connections between their observers, their hypotheses, their protocol, and the results they have obtained. This stimulates their logical thinking and their work discipline.

Writing encourages students to question their results, identify the limitations of their experiments, and consider the potential for further development of their work. But above all, it encourages them to be proud of themselves, their commitment, and their accomplishments!

Finally, from an academic point of view, contributing to written documentation, whatever the form, allows you to keep track of and memorize acquired skills and knowledge more durably.

### Open Schools Journal for Open Science - First scientific publication for European students

To share and promote your students' papers, you can submit your publications to the Open Schools Journal for Open Science. It is Europe's first peer-reviewed scientific journal. It accepts original articles written by primary and secondary school students from across Europe, under the supervision of their teachers, on all aspects of science, engineering, and technology. Through school projects, students and teachers produce scientific data that is invited to be published in the journal. The journal regularly publishes articles. Publication is free and articles are published in English.

The journal is supported by the Openaire Advance project and the Open Schools for Open Societies project, both funded by the European Commission.

The framework proposed in addition to this information sheet is taken from the practices of the Open Schools Journal for Open Science, which makes it easier to submit your articles! Don't hesitate to participate in this European community.

#### Peer-reviewed scientific article - What are we talking about?

To ensure the clarity of their articles, researchers seek feedback from other researchers. This is called peer review. Reviewers provide their comments to the authors, who then make the changes, and the articles are ready to be shared with the community. In the case of the Open Schools Journal for Open Science, the articles will be reviewed by two people: a teacher and a researcher. They will provide their comments and suggestions to ensure the best possible outcome.