

GUIDE to the PROJECT SHEET

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TITLE:

School:	Year: 1/2/3/4 ESO/BAC/CF delete if not relevant
Tutors:	Contest category: PHYSICS or TECHNOLOGY

Students: Names must match those registered on the registration platform (maximum 4 participants per project)

Describe the project in a COMPREHENSIBLE way, providing the necessary information to understand the goals and expected results. The text in this sheet must be an **ORIGINAL** elaboration and not the result of copying and pasting other texts. We recommend reading <u>this guide</u>. USE TWO PAGES MAXIMUM (this and the following one).

IMPORTANT INFORMATION

Each project should be exhibited on <u>ONE</u> table of 1.80 x 0.7 m², and has available a display panel face (no writing or thumbtacks) and plugs (ensuring proper electrical isolation of what is connected). There is the possibility of collecting small quantities of water. <u>Any other material necessary for the operation or exhibition of the project must be provided by the participants</u>. The project must meet safety criteria for the public. The location of the project at the fair will be communicated days before the fair.

PLEASE, CONVERT THIS FILE TO PDF FOR UPLOADING TO THE REGISTRATION PLATFORM

1. Brief summary of the project and its objectives

Explain in a few lines what is intended to be shown or verified and what is of interest from the educational point of view in science or technology, highlighting the most significant aspects.

You are expected to sinthesize the essential aspects of the project are detailed in the following points. (In carrying out this project we have set ourselves the objective of this project/device is intend to it is known that / a problem of interest is that of....to demonstrate or test its validity...we have thought to to build/demonstrate/measure... .in order to verify/realise, etc.)

2. Material and set-up (include a medium-low resolution figure, scheme or photograph of the set-up) Briefly explain the elements that make up the experimental set-up or prototype and the materials used. It is not a question of drawing up an exhaustive list of elements, but of understanding the function they have in the whole and their suitability for the proposed objective, justifying this choice (at least of the most significant elements or those whose choice and placement is decisive in the expected result).

3. Theoretical foundations and background: Physics involved and their relation to technological applications. Describe briefly the phenomena or effects that you intend to observe or verify and how these phenomena can be understood or explained by one or more physical principles. Explain the relationship between the natural phenomena or technological applications involved in the project and the physical principles.

4. Operation and results: observations and measurements.

Explain how the project device(s) works, indicating the qualitative observations and/or measurements made and the results obtained; or those expected if you have not yet made them. If applicable, discuss whether and how the observed/measured effects change when changing conditions, i.e. when changing any of the variables involved. As far as possible, indicate typical values or orders of magnitude of the most important quantities. Explain the results obtained on the basis of the rationale of the previous point.

5. Conclusions

Indicate the most important conclusions you draw. Relate the experiences or prototypes that make up the project to existing or possible applications (technological, related to other sciences, etc.).

6. References

Honest citation of the sources consulted and acknowledgement of the work of others is essential in scientific and technological activity. List the most important books, videos or web pages consulted to be inspired, devise or develop this project (WARNING: the information must be elaborated, not copied literally from these sources).

2 PAGES MAXIMUM INCLUDING IMAGES