

# ASSESSMENT GRID – PRIMARY

## EXPERIMENTATION



Project title: \_\_\_\_\_

Category: \_\_\_\_\_

Judge's name: \_\_\_\_\_

Judge's signature: \_\_\_\_\_

Booth

Judge No.

### SCIENTIFIC [50%]

#### IDENTIFYING THE PROBLEM [8%] 0 1 2 3 4 5 6 7 8 9 10

- Is the problem well defined?
- What is the origin of the interest in this problem?
- What are the problem's scope and attempted solution?
- What do we already know on the subject?

#### PREPARING AND FOLLOWING UP ON THE EXPERIMENTAL PROTOCOL [18%] 0 1 2 3 4 5 6 7 8 9 10

- What are the hypotheses and objectives?
- With what scientific method or technical tool can this subject be studied?
- What are the parameters to be considered, controlled, observed?
- Is an experiment protocol established and how will observations be recorded?
- Are the safety rules followed?

#### ANALYSING AND INTERPRETING RESULTS [17%] 0 1 2 3 4 5 6 7 8 9 10

- What is the observations' variability?
- Do the observations point in a specific direction?
- What possible sources of errors are there? Can those sources of errors be eliminated? Have positive and negative controls been used?
- Are the coherence, reasoning and terminology adequate?

#### IN CONCLUSION [7%] 0 1 2 3 4 5 6 7 8 9 10

- Do the results confirm the hypotheses?
- Does the experiment raise other questions and are other experimental approaches necessary?
- What are the societal implications?
- What should be retained from this project?

### LEARNING APPROACH [20%]

0 1 2 3 4 5 6 7 8 9 10

- What did the student learn from this project in terms of work planning, time management and the difficulty resolving the problems encountered?
- How can success be measured in this project?

### COMMUNICATION [30%]

#### EXHIBIT ACTIVITIES [15%] 0 1 2 3 4 5 6 7 8 9 10

- Is the project presented clearly, enthusiastically and within the allotted time?
- Are the terminology and vocabulary adequate?

#### VISUAL PRESENTATION [15%] 0 1 2 3 4 5 6 7 8 9 10

- Are the presentation elements (tables, graphics, scale models, etc.) useful and attractive?
- Is the terminology and language quality adequate?