

The Written Science Fair Report – FLASF 2022

The report you write is your way of communicating your work with your teacher, classmates, judges, and others who may visit your project. A sign of an excellent report is one that someone else could use to repeat your work. The report should not exceed **5 pages** in length.

Your report needs to be clearly written, in a logical sequence, with all steps in your work clearly explained. Your written work should tell a story about your observations, and should include the following:

___ A title page with your project name and your name

___ An abstract of your work (the “Summary” tile in ProjectBoard)

An abstract, or summary of your work, is usually about 250 words long. A shorter summary of 150 words may be required as part of your registration for regional or national fairs. An abstract should include:

☐ Title

☐ Hypothesis

☐ Problem

☐ Procedure

☐ Purpose of Project

☐ Conclusions

Judges may use your abstract to form an initial opinion about your project. Think of it as the ‘ad’ for your work!

___ A table of contents

___ Introduction

___ Your question/problem statement, purpose, and hypothesis (the “Why?” tile in ProjectBoard)

___ Background information, written in your own words (the “Why?” tile in ProjectBoard)

___ Your procedure, including the materials list (the “How?” tile in ProjectBoard)

___ Summaries of all experiments/tests you made (the “How?” tile in ProjectBoard)

___ A summary of all data you collected (the “What?” tile in ProjectBoard)

Rather than copying in all observations, you might use/refer to tables or graphs that illustrate your story.

___ Your conclusions about the results (the “So What?” tile in ProjectBoard)

___ Your discussion of the possible applications of your work and further work or improvements that could be done (the “What’s Next?” tile in ProjectBoard)

___ A reference list (the “References” tile in ProjectBoard)

Your reference list will be an alphabetical list of all the resources you used to complete your project. All ideas, thoughts, data statements or images that are not uniquely your own should go on this list. There are different reference list formats but the use of APA formatting is encouraged. Here are two examples:

Journal articles:

Denisov, I. G., & Sligar, S. G. (2017). Nanodiscs in membrane biochemistry and biophysics. *Chemical Reviews*, 117(6), 4669-4713.

Books:

Eby, G. N. (2016). *Principles of environmental geochemistry*. Waveland Press.

___ Acknowledgements, recognizing help or ideas from mentors, use of lab space or materials, etc.

In addition, you may have an appendix section, which could include:

___ Any required forms, for example, ethics committee approval forms

___ Copies of blank questionnaires used in your project