

## Preparing an abstract

An abstract is written once your research and experimentation are complete. It will include:

- a statement of the problem/ purpose of the experiment,
- the procedure used,
- your data
- your conclusions.

Abstracts are prepared for viewers to familiarize them with the project and will be evaluated as part of the project.

A sample abstract may look like this:

### Sample Abstract

**TITLE:**

**STUDENT RESEARCHER (S):**

**SCHOOL ADDRESS:**

**GRADE:**

**TEACHER:**

#### **I. STATEMENT OF PURPOSE AND HYPOTHESIS:**

Describe or define your topic.

What do you want to find out?

Describe your hypothesis

#### **II. METHODOLOGY:**

Explain how you will test your hypothesis.

List all the materials you will need.

Identify all variables.

Explain how your investigation will be conducted in a "step by step" manner with enough detail so it can be replicated by another scientist

#### **III. ANALYSIS OF DATA:**

Explain what the data you collected indicates about what happened in your investigation Explain what your charts, graphs, and statistical analysis demonstrate

#### **IV. SUMMARY AND CONCLUSION:**

Explain what you found out

Explain what your analysis of data indicates

State whether you accepted or rejected your hypothesis and why

Describe any limitations or shortcomings in your investigation

#### **V. APPLICATION:**

Use and apply what you learned from your investigation in the world outside of the classroom

Explain how your findings help people solve practical problems or make your world a better place to live