

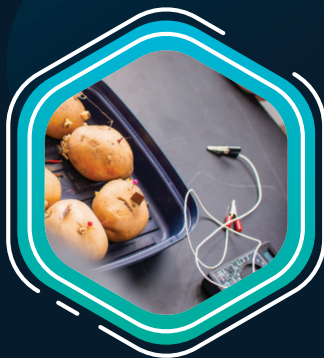
2023 SCIENCE QUEST

Rajiv Gandhi Science Centre



Category 1

Grade 7, 8 & 9



Category 2

Grade 10 & 11



Category 3

Grade 12 & 13

Deadline for
Online Registration

16 February 2023
Thursday



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1. INTRODUCTION

Dear Students,

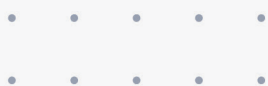
Congratulations!!

Your participation in the Science Quest 2023 will give you the opportunity to get into the shoes of scientists. Think of the aspects of your life at school or in your locality that need improvement.

How can you use Science and Technology to make your life better?

Set up a team and work under the guidance of your supervisor. While working, think about how your friends at school or how people in your locality could benefit from your actions.

**Your small actions
can make
a huge impact!!!**



2. GUIDELINES TO COMPLETE THE PROJECT

2.1 How to identify a project?

Look carefully around you in your classroom, in your school yard or in your village/locality. Together with your supervising teacher, discuss and come up with ideas. Involve your friends, parents and school community.

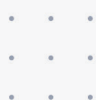
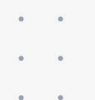
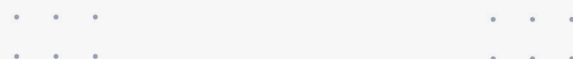


You may ask the following questions:

- * Do students eat properly at school or at home?
- * How can you make your school environment better?
- * What problems do you face while coming to school or at school?
- * Does the school infrastructure need improvement?

2.2 Gather Information

Look for information about the topic you choose. You may use books, magazines, the internet, newspapers, etc. You may also discuss with scientists, doctors or other resource persons. You are encouraged to keep a log book where you will record the details of what you did each day. This will help you while writing your project report.



2.3 Project Title

Once you have identified the problem you want to solve, give a title to your project. Some examples of projects:

- * A low cost water purifier
- * Reducing vector borne diseases in the locality
- * Automatic greenhouse
- * A new mobile phone application for disabled people at school

Some themes in Science and Technology that you may explore to help you choose a project title:

- * Biology , Biotechnology and other Biosciences
- * Chemistry
- * Energy and Sustainable Development
- * Engineering and Technology
- * Environment and Marine Sciences
- * Health and Nutrition
- * Information and Communication Technology
- * Mathematics
- * Physics
- * Other Science and Technology related themes

2.4 Why are you doing the Project?

- * What do you hope to achieve through your project?
- * How can your project make life at school better?

2.5 What actions are you going to take?

Take necessary actions to complete your project. Break down your project into small and important tasks to make it successful (e.g survey, talk by resource persons, site visits, designs and experimentation, constructions, conduct experiments, etc.).

Make a list of the following:

- * The small tasks that you need to do
- * When are you going to complete each task?
- * What experiments are you going to conduct? Remember, you SHOULD ALWAYS conduct experiments under adult supervision.
- * Surveys, interviews and discussions conducted.
- * Places that you have visited (if any) so as to understand things better.
- * Will resource persons come to talk to your friends at school to sensitize them?
- * What are you going to measure? (weight, length, time taken, etc.
- * What tools/ materials/ resources you need for the project
- * Who is going to help you? (Example the school gardener, the headmaster, parents)
- * Name of institutions/ people who will help you with your project.

2.6 Record your observations/results

Write about your results in an organised and systematic manner. Perform calculations if needed.

2.7 Interpret your results

- * Does your project have a positive or negative impact on your friends?
- * How far has your project been successfully implemented?

2.8 Conclusion

How your project has made a change in your environment?
What difficulties have you faced while working on your project?
In what way can you improve your project?

3. GUIDELINES TO WRITE THE PROJECT PROPOSAL

Your project proposal should include the following:

- * Introduction
- * Aims and Objectives
- * Proposed Methods/ Experiments/Materials used
- * Expected Outcomes

4. GUIDELINES TO WRITE THE PROJECT REPORT

The Project Report should be the work of the participants. It should describe why and how you have done the project and what has been achieved through the project.

- * The Project Report will be a maximum of 10 Pages, A4 format, and may include pictures, drawings, charts etc.
- * It should clearly state the problem under investigation, the purpose of the project, the methods adopted (the use of Science and Technology), the results obtained, the interpretation of results and conclusion. It is strongly advised that you use the following guidelines to complete your Project Report.



The Project Report should contain the following information:

4.1 Introduction (About 1-page)

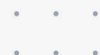
- * The introduction describes the current situation.
- * What is the actual situation at school or in your locality?
- * What do you wish to change about it?
- * Identify the problem that you want to solve.

4.2 Purpose of the project (About Half a page)

- * State the Aims and Objectives of the project.
- * Why is the project being done?
- * What main actions you will take to complete the project?

4.3 Methods (About 2 pages)

- * What step by step actions have been taken to make the project successful?
- * What experiments have you conducted?
- * What measurements have you taken?
- * Have any survey, discussions or interviews been done?
- * Have you visited any specific places?



4.4 Results (About 2 pages)

- * What has been the outcome of your experiments, visits, discussions etc?
- * Did you take any measurement? Record your results.
- * Do not hesitate to use tables, charts, graphs, drawings or pictures to illustrate your results.
- * Did any Resource Person come to talk to your friends at school?
- * How have they helped you?
- * What did you find during your site visits?

4.5 Analysis (About 2 pages)

- * What have you found through your project?
- * What do your results show?
- * How has your project made an impact on your health/ environment?
- * How has your school or friends benefitted from your project?

4.6 Conclusion (About 1 page)

- * How your project has made a change in your environment.
- * What difficulties have you faced while working on your project?
- * In what way can you improve your project?

4.7 References (About 1 page)

A list of books, magazines, websites, that you have consulted.

4.8 Acknowledgement (about half page)

Name the people who have helped you in your project. How did they contribute to make your project successful?

. . .
. . .
. . .

The presentation should last a maximum of 5 minutes. After that, participants will answer queries from the judges.

5. GUIDELINES FOR ORAL PRESENTATION

- * Pupils are encouraged to give their presentation in English or French.
- * The presentation should last a maximum of 5 minutes.
- * The presentation should describe the project in a clear and logical sequence.
- * Visual Aids should be used properly.

The following support may be used:

- . . .
- * 1. Visual Aids such as displays, posters, drawings, models, etc .
 - * 2. Computer programmes such as powerpoint. However, RGSC will not provide any computers.
 - * 3. Or any other support.
- . . .

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6. IMPORTANT DATES:

4.8 Acknowledgement (about half page)

- 16 February 2023:** Deadline for Online Registration
Submit Entry Forms and Project Proposal Form
- 09 March 2023:** Screening and Nominations
- March-May 2023:** Work on Project
- 11 May 2023:** Online Submission of Project Report
- 06-09 June 2023:** Final and Prize Giving

7. PRIZES

Certificates: All finalists and their supervising teachers will receive a certificate of participation.



8. PRIZES

All prizes are sponsored by Mauritius Commercial Bank.

Winning teams of each category will be awarded prizes as follows:

Participants

Gold Prize: Rs 25 000 + Shield

Silver Prize: Rs 20 000 + Shield

Bronze Prize: Rs 12 000 + Shield

Two Merit Prizes each of Rs 5000

9. PRIZES FOR SUPERVISING TEACHERS/MENTORS

Winning teams of each category will be awarded prizes as follows:

Supervising teachers/Mentors

Gold Prize: Rs 4000 + Certificate

Silver Prize: Rs 3 000 + Certificate

Bronze Prize: Rs 2 000 + Certificate

Two Merit Prizes each of Rs 1000 + certificate

