

2027

Quinte Regional Science and Technology Fair Expo-sciences régionale de Quinte



YOUR CLASSROOM SCIENCE FAIR HANDBOOK

Quinte Regional Science and Technology Fair (QRSTF)

Everything you need to design, build, and present your project.

1. What Is a Science Fair Project?

A science fair project is your chance to explore a question, solve a problem, or build something new. You choose a topic, investigate it, and share what you discovered.

You can create:

- **An Experiment** – test a question using variables
- **An Innovation or Invention** – design or improve something
- **A Study** – research and analyze information
- **An Engineering Project** – build and refine a prototype

2. Getting Started

Follow these steps to begin your project:

Step 1: Pick a Topic

Choose something you're curious about. Good projects start with good questions.

Step 2: Write Your Project Plan

Include:

- Your question or problem
- Your hypothesis or goal
- What materials you need
- How you will test or build
- Any safety concerns

Step 3: Do Your Research

Learn more about your topic using books, websites, videos, or interviews.

3. Build Your Project

Experiment

- Change **one variable** at a time
- Keep everything else the same
- Collect data in charts, tables, or photos

Innovation / Invention

- Sketch your idea
- Build a prototype
- Test it and improve it

Study

- Gather information
- Organize it clearly
- Explain what you learned

Engineering



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- Identify a problem
- Design a solution
- Build, test, and refine

4. Safety Rules

To keep everyone safe:

- No dangerous chemicals
- No flames or heat sources
- No growing bacteria or mould at home
- No experiments on animals
- No tasting food in food projects
- Only low-voltage circuits

If you're unsure, ask your teacher.

5. Your Display Board

Your board should include:

- Title
- Question or problem
- Hypothesis or goal
- Procedure or design plan
- Data and results
- Conclusion
- Pictures or diagrams
- Bibliography

Make it neat, colourful, and easy to read.

6. Your Presentation

Be ready to explain:

- What you investigated
- Why you chose it
- How you tested or built it
- What you discovered
- What you would change next time

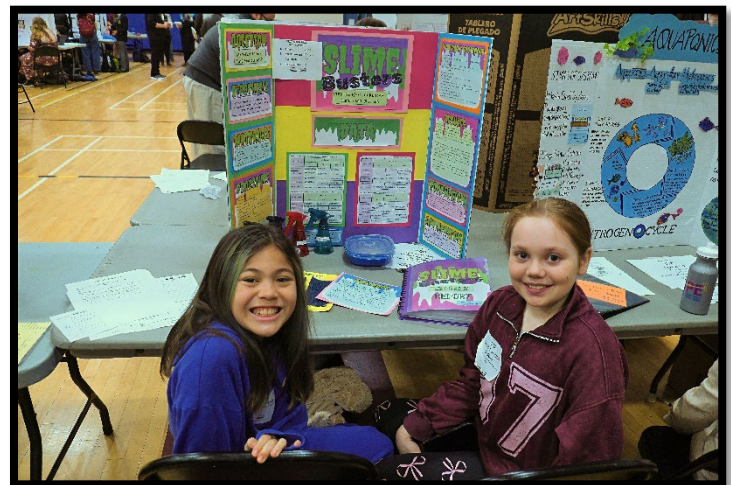
Practice speaking clearly and confidently.

7. Judging Day

During your classroom fair:

- Set up your board and materials
- Stand beside your project
- Smile and greet judges
- Answer questions about your work

Judges look for:



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- Clear thinking
- Creativity
- Good communication
- Effort and improvement

8. Moving On to QRSTF

Some projects from your classroom fair may be invited to the **Quinte Regional Science and Technology Fair**. If you advance:

- You'll register online
- You'll prepare your project for the regional event
- You may qualify for **Team Quinte** and the **Canada-Wide Science Fair**

9. Need Help?

Visit the **Students Hub** on the QRSTF website for:

- Project ideas
- Forms and documents
- Judging criteria
- Tips for success
- Fair Day information

