

Step into the future with QRSTF



QRSTF Certificate Maker V1

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The Quinte Regional Science and Technology Fair



WELCOME TO THE QRSTF CERTIFICATE MAKER V1.0

Overview & Interface Layout

The [QRSTF Certificate Maker](#) is a browser-based tool designed to generate, preview, and export customized certificates for the Quinte Regional Science and Technology Fair (QRSTF). The interface is split into two primary zones:

- **Top Control Toolbar & Collapsible Menu Panel (Left):** Manages global view modes, file generation actions, localization, layout, and detailed field configuration.
- **Live Preview Canvas (Right):** Displays real-time updates of the certificate layout based on active inputs and template selections.

1. Interface Overview & Toolbar Controls

The control panel consists of a top control toolbar, primary modes, drop-down configuration sections, and a live canvas preview.

*Remember to hit the Update button after most selections.

The screenshot displays the QRSTF Certificate Maker interface. On the left is a control panel with various settings, and on the right is a live preview of a certificate.

Control Panel:

- Instructions: Fill in the fields below, then click Update to refresh the preview.
- Buttons: Update, Preview Mode, Print Preview, Print, Calibration Grid, PNG, PDF, SVG, QR Code, Batch PDF, Batch PNG ZIP, Batch Preview, Expand All.
- Language: English (selected), Français.
- Mode: Teacher Mode (selected), Judge Mode, Sponsor Mode.
- Layout: Landscape (selected), Portrait.
- Template: Default Certificate (dropdown).
- Expandable sections: Award Presets, Recipient Information, Project, Theme, School Auto-Branding, School Logo, Signatures, Date, Zoom, Batch Certificates (30).
- Reset All Fields button.

Live Preview Canvas:

The preview shows a "Certificate of Achievement" with the following text:

- School Logo
- Certificate of Achievement
- Presented by Your School
- This certificate is proudly presented to
- Student Name**
- School Name
- For the project:
- Project Title
- Category
- Teacher
- Chief Judge
- April 2026
- Supported by the Quinte Regional Science and Technology Fair

2. Buttons across the top:

Fill in the fields below, then click Update to refresh the preview.



Fill in the fields below, then click Update to refresh the preview.



Modes:

2. Top Action Toolbar

The top bar controls primary rendering actions, layout modes, export formats, and interface helpers.

- **Update:** Refreshes the live preview canvas to apply manual text or configuration edits. Some functions display automatically
- **Preview Mode:** Switches the canvas to standard view, showing the final clean state of the certificate. Turn return to the functions again.. click Preview mode again to return to the main menu.
- **Print Preview:** Renders the document within a print-optimized window boundary to verify margins before sending to a printer. Do not use this unless you want to print.
- **Print:** Opens the browser's native print dialog to directly output physical copies. Don't use this unless you want to print.. may loose inputs.
- **Calibration Grid:** Overlays an alignment and ruler grid onto the preview canvas to check positioning and layout precision. Click Again to remove. Make sure it is turned off before you print.
- **PNG:** Exports the active individual certificate as a high-resolution PNG image file.

- **PDF:** Compiles and downloads the current certificate layout into a formatted PDF document.
- **SVG:** Downloads a scalable vector graphic version of the certificate for high-end graphic design editing.
- **QR Code:** Generates and embeds or downloads a unique verification QR code tied to the certificate data. Click remove again to remove.
- **Batch PDF:** Processes a bulk queue of entries, generating a single combined multi-page PDF document.
- **Batch PNG ZIP:** Compiles an entire queue of custom certificates into individual PNG images, packaged into a downloadable .zip archive.
- **Batch Preview:** Cycles through bulk records on the screen to review multi-record entries prior to bulk export.
- **Expand All:** Automatically opens all collapsed configuration menus simultaneously for rapid editing.
- **English / Français:** Toggles the interface language and document text placeholders between English and French. It does not change all. You need to input French in most areas.
- **Teacher Mode:** Configures context fields, default signatory titles, and batch inputs tailored for classroom educators.
- **Judge Mode:** Adjusts fields and presets suited for fair judges awarding specific placements or fair honors.
- **Sponsor Mode:** Shifts fields to highlight organizational contributions, sponsor logos, and donor acknowledgments.
- **Landscape / Portrait:** Flips the document orientation between horizontal layout (Landscape) and vertical layout (Portrait).

3. Template & Collapsible Control Menus

The control panel features layout style selectors followed by collapsible configuration drawers.

Template:

Default Certificate ▼

- **Template Dropdown:** Selects the core graphic style for the certificate. Options include:



**The Quinte Regional Science
and Technology Fair**

- **Default Certificate:** Standard formal layout with clean borders.
- **Medal Style:** Emphasizes achievement standings and medal level themes.
- **Sponsor Plaque:** Optimized layout for corporate or community donor recognition.

4. Collapsible Menu Reference

Award Presets

- **Function:** Auto-populates standard award levels, achievement descriptions, and titles. For French, you must enter the French version in.
- **Items:**
 - *Gold / Silver / Bronze Excellence Awards*
 - *Honorable Mention*
 - *Special Sponsor Award Category*
 - *Participation Certificate*

Award Presets ▲

Preset

None ▼

Award Title

Certificate of Achievement

Subtitle

Presented by Your School

Recipient Information

- **Function:** Controls data fields identifying the student awardee.
- **Items:**
 - **Student Full Name Input:** Enters the recipient's name.
 - **School Name Input:** Specifies the attending educational institution.
 - **Select the division for the certificate.** It will be placed on the certificate. Also select whether or not the Division will be put on the certificate.

Recipient Information ▲

Recipient Name

Student Name

School

School Name

Grade / Division

None ▼

☒ Include Division on Certificate

Project

- **Function:** Manages technical particulars regarding the science fair submission.
- **Items:**
 - **Project Title Input:** Sets the official title of the student exhibit.
 - **Category Dropdown:** Filters by scientific discipline (e.g., Biotechnology, Engineering, Earth & Environmental Sciences).

Project ▲

Project Title

Scientific Discipline
 ▼

Category / Custom Sub-text

☒ Include Scientific Discipline on Certificate

Theme

- **Function:** Adjusts color palettes, border ornamentation, and background styling.
- **Items:**
 - *Classic Gold Border*
 - *Modern Minimalist*
 - *STEM Tech Blue*
 - *Eco-Green Fair Theme*
- **Award Style Themes.** Click on a colour and the border will change to that colour
- **Border Thicknes.** You can adjust the thickness of the border. It affects the border
- **Border Style:** Select from Double, Solid, Dashed and Engraved.
- **Custom Border Colour:** Select from the dropdown menu Custom colour. Clicking on the band brings up a colour selector. Select the colour you want and the border will change automatically.

Theme ▲

Theme
 ▼

Award-style themes:











Border Thickness

Border Style
 ▼

Custom Border Color

School Auto-Branding



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- **Function:** Automatically pulls and applies official high school or elementary styling configurations based on selected directory entries.
- **Items:**
 - **Enable Auto-Branding Toggle:** Turns automatic color/crest matching on or off.
 - **Directory Match Select:** Finds local regional schools from the stored database.
- *We always looking for ways to update this area. If you have a logo and branding colours, let us know.*

School Auto-Branding
▲

School

None / Custom
▼

Selecting a school will auto-set logo, colors, and subtitle. You can still override fields manually.

School Logo

- **Function:** Uploads or scales institutional crests onto the designated header zones.
- **Items:**
 - **Upload Custom Logo File:** Accepts PNG/JPG institutional graphics.
 - **Logo Scale Slider:** Adjusts visual weight and dimensions on the canvas.
 - *You can click on Round Logo to make the logo round or*
 - *Hide the school logo*
 - *The logo will be put in the top left, center or right corner of the certificate.*

School Logo

Upload School Logo

Drop logo here or click to upload

Logo Position

☒ Left
☐ Center
☐ Right

Logo Size

☐ Round Logo
☐ Hide School Logo

Signatures

- **Function:** Configures the authorizing signatures displayed at the base of the certificate.
- **Items:**
 - **Signatory 1 (Teacher/Coordinator):** Name and title text fields.
 - **Signatory 2 (Chief Judge):** Name and title text fields.
 - **Signature Image Upload:** Replaces text placeholders with scanned ink signatures.
 - *You can show the Chief Judge Section or not show it.*
 - *Also, you can leave it blank and sign it yourself.*

Signatures ▲

Teacher Signature Name

Drop teacher signature here or click to upload

Chief Judge Signature Name

Drop judge signature here or click to upload

☒ Show Chief Judge Section

Date

- **Function:** Sets the issuance timeline displayed on the document.
- **Items:**
 - **Fair Date Picker:** Sets the active date (defaults to April 2026).
 - *Once you select the date and click update, it will appear on the certificate as Month and year.*
 - *Or put in a Custom Date String for the Certificate*

Date ▲

Date Picker

Custom Date String

August 2026

Zoom

- **Function:** Alters workspace magnification for granular visual reviews.
- **Items:**
 - **Fit to Screen:** Scales preview to browser boundaries.

Zoom ▲

Zoom: 90%

Batch Certificates (30)

- **Function:** Manages imported data rows for bulk multi-student generation.
- **Items:**
 - **CSV File Upload:** Ingests spreadsheet rosters containing student names, schools, and projects.
 - **Data Row Selector:** Previews specific individual records within the batch queue.
 - **Duplicate item**
- **Reset All Fields:** Clears all custom text inputs, resets logos, and restores default baseline values across every menu item.

Batch Certificates (30) ▲

Enter up to 30 names, schools, projects, and categories for batch printing.

#	Name	School	Project	Category
1				
2				
3				
4				
5				
6				
7				
8				



Certificate of Achievement

Presented by the QRSTF

This certificate is proudly presented to

The QRSTF Committee

For the project:

For Organizing the QRSTF

Category

Organizer

Chief Judge

August 2026

Supported by the Quinte Regional Science and Technology Fair



QRSTF

www.qrstf.ca

The Quinte Regional Science and Technology Fair runs completely on volunteers. We appreciate the time you have given to our fair, and to the youth of our community. It is only with volunteers such as yourself that we are able to go beyond the books and classroom walls to show students that science is all around us in the “real world” and that there are opportunities in the field. We hope that you will take part in next year’s science fair. See you then.