

Regeneron ISEF 2025 Display Guidelines

Regeneron ISEF 2025 will be an in-person event in which finalists will compete in-person in Columbus, Ohio from May 10-16, 2025. However, **ALL finalists** are still required to complete a virtual display within ProjectBoard to support the judging process and to share their projects with the general public. Finalists are also required to provide a physical display board for the finalist exhibit hall in Columbus. All displays, virtual and in-person, will undergo Display & Safety (D&S) inspections. [The International Rules & Guidelines](#) remain the guide of what is eligible and allowable; all written materials are to be provided in English.

We strongly encourage finalists to use the same core materials in both displays to avoid duplication of effort and to support the D&S review. Where possible, infractions identified within the virtual display should be corrected online and within the physical display board prior to printing or construction of the final physical display. The guidelines are updated for 2025 and have minor changes from 2024.

ProjectBoard – Virtual Display

I. Regeneron ISEF Paperwork as submitted in the Finalist Questionnaire

- a. This process remains the same as prior years and will be reviewed by the Scientific Review Committee (SRC) to confirm eligibility for competition.
- b. On display for the judges will be:
 - i. **Official Abstract** (250 words)
 - ii. **Regulated Research Institutional Setting Form 1C** (if applicable)
 - iii. **Continuation Form 7** (if applicable)
- c. Appendix I provides an overview of Regeneron ISEF paperwork.

II. Project Presentation

- a. The project presentation is the primary vehicle to present the content of your project and replaces the project poster for your virtual display. Appendix II provides complete instructions of the format requirements and recommendations.
- b. There are three suggested templates based on project type:
 - i. Science Projects,
 - ii. Engineering Projects and
 - iii. Mathematics/Computer Science Projects.
- c. Project presentations will be required to be submitted by a set deadline and will then be locked for Display & Safety inspection prior to competition.

III. A Quad Chart

- a. The quad chart summarizes the project in a single page for a quick overview by the judges.
- b. This representation of your project is intended to be only a summary and to be visual in nature.
- c. Be concise and avoid lengthy sentences. The details of your project should be put forth in your project presentation. Each quadrant should contain no more than 75 words.
- d. Appendix III provides complete instructions with format requirements and recommendations as well as sample templates.

Regeneron ISEF 2025 展示指南

Regeneron ISEF 2025 將以線下活動形式舉行，決賽入圍者將於 2025 年 5 月 10 日至 16 日在俄亥俄州哥倫布市進行線下比賽。所有入圍者仍需在 ProjectBoard 上完成虛擬展示，以支援評審流程並與公眾分享其項目。此外，入圍者還需為哥倫布市的入圍展廳提供實體展板。所有虛擬和線下展示均需接受展示與安全 (D&S) 檢查。國際規則與指南仍將作為合格且允許的指南；所有書面資料均需以英文提供。

我們強烈建議入圍者在兩個展板中使用相同的核心材料，以避免重複工作並支援設計與規範 (D&S) 審核。在可能的情況下，應在印刷或製作最終實體展板之前，在線上和實體展板上糾正在虛擬展板中發現的違規行為。

顯示。該指南已更新至 2025 年，與 2024 年相比略有變化。

ProjectBoard – 虛擬顯示

一、Regeneron ISEF 決賽問卷中提交的文件

- a. 評審流程與往年相同，並將由科學評審委員會 (SRC) 審核，以確認參賽資格。 b. 評審將展示以下內容：
- i. 官方摘要（250 字） ii. 受監管研究機構設定表格 1C（如適用） iii. 續表 7（如適用） c. 附錄 I 概述了 Regeneron ISEF 文書工作。

二、專案介紹

- a. 專案簡報是展示專案內容的主要載體，可取代專案海報進行線上展示。附錄二提供了完整的格式要求和建議說明。 b. 根據項目類型，我們推薦三種範本：

- i. 科學項目，ii. 工程項目和 iii. 數學/計算機科學項目。

- c. 專案簡報必須在規定的截止日期前提交，並在比賽前被鎖定以進行展示和安全檢查。

III. 四邊形圖表

- a. 四邊形圖表將項目總結在一頁紙中，以便評審快速瀏覽。
- b. 您的專案展示僅供參考，本質上是視覺化的。
- c. 簡潔明了，避免冗長的句子。專案細節應在專案簡報中詳細闡述。每個象限的字數不得超過 75 個字。
- d. 附錄三提供了完整的說明，包括格式要求和建議以及範例範本。

IV. Project Video (2-minute maximum)

- a. This video summarizes the project at a high level and will be used primarily for the public display of projects and should have the layman as the core audience.
- b. While judges will be given access to all materials submitted, it is advised that the video be a supplement to the project presentation slides.
- c. This video should feature the finalist(s) prominently on screen.

V. Additional Notes

- a. Active links or QR Codes are not permitted anywhere on the virtual display
- b. Do NOT include your research paper or notebook images as part of your virtual display.

In-Person Physical Display

Display & Safety

Please review the full text of the Display & Safety rules in the International Rules & Guidelines to ensure compliance with the display regulations including:

- Maximum size of the project
- Forms required to be displayed
- Photograph/Image Display Requirements and
- Items/materials not allowed on display or at your project booth.

The virtual display D&S inspection will occur on a rolling basis between March and May and it is our intent to conduct an inspection of all virtual displays by no later than May 1, 2025. This should allow all finalists to make any updates and adjustments to their physical display board to address any infractions that were identified on the virtual display.

The two formats are different and they do not need to be identical, but where a Finalist can use the same elements in both displays, it is encouraged. **The following information are suggested guidelines for your physical display taken from <https://guides.nyu.edu/posters>.**

- Important information should be readable from about 10 feet away. The suggested smallest font on your physical poster is 18 pt.
- Title is short and draws interest.
- Word count of about 300 to 800 words.
- Text is clear and to the point.
- Use of bullets, numbering, and headlines make it easy to read.
- Effective use of graphics, color, and fonts.

四 專案影片（最長 2 分鐘）

- a. 影片概括了專案概況，主要用於專案公開展示，核心受眾應為非專業觀眾。 b. 雖然評審可以查看所有提交的資料，但建議將影片作為專案簡報幻燈片的補充。 c. 該影片應在螢幕上突出顯示入圍者。

五、補充說明

- a. 虛擬顯示幕上的任何地方都不允許出現活動連結或二維碼。 b. 請勿將您的研究論文或筆記本影像作為虛擬顯示器的一部分。

現場實體展示

展示與安全

請查看國際規則和指南中展示和安全規則的全文，以確保遵守展示規定，包括：

- 專案最大規模
- 需要顯示的表格
- 照片/影像顯示要求和
- 不允許在展覽或項目展位上展示的物品/材料。

虛擬展示 D&S 檢查將在 3 月至 5 月期間滾動進行，我們計劃在 2025 年 5 月 1 日之前對所有虛擬展示進行檢查。這將允許所有入圍者對其實體展示板進行任何更新和調整，以解決在虛擬展示上發現的任何違規行為。兩種展示形式有所不同，無需完全相同。但如果入圍者可以在兩種展示中使用相同的元素，我們鼓勵這樣做。以下資訊是實體展示的建議指南，摘自 <https://guides.nyu.edu/posters>。

- 重要資訊應在約 10 英尺（約 3 公尺）的距離內清晰可見。建議實體海報上的最小字體為 18 磅（約 18 磅）。
- 標題簡短且引人注目。
- 字數約 300 至 800 字。
- 文字清晰，切中要點。
- 使用項目符號、編號和標題使其易於閱讀。
- 有效使用圖形、顏色和字體。

Appendix I. Submission and Review Process

Regeneron ISEF Paperwork

All finalists must submit a finalist questionnaire that includes all the ISEF paperwork required for their project. Minimally, all projects must have [Checklist Forms 1](#), [Student Checklist Form 1A](#), Research Plan, and [Approval Form 1B](#). The forms that are to be made available at your project booth for the judges to review are the Official Abstract, and if applicable, the [Regulated Research Setting Form 1C](#) and/or the [Continuation Form 7](#). These forms will be automatically passed over to ProjectBoard from Finalist Questionnaire. You will not be able to upload them directly on ProjectBoard.

- Official Abstract** approved by SRC (250-word format)
The abstract summarizes the information contained in the rest of this document. An abstract includes: (a) the research question or engineering problem, (b) procedures used, (c) data, (d) interpretation and (e) conclusions. It also may include any possible research applications. It should be limited to these essential elements. Consider using the summary created by the Quad chart to inform this narrative.
- Regulated Research Institutional Setting Form 1C** (if applicable)
This form is required for work done at a Regulated Research Institution or Industrial Setting and is to be completed after experimentation by the adult supervising. A Form 1C can also be used when support from mentors and those in a laboratory setting has been provided, even when the student received this support remotely. This can also include situations in which a high school teacher is supporting laboratory activities on behalf of a remote student to help clarify the student's involvement in each step of the project.
- Continuation Form 7** (if applicable)
Any project that is a continuation of a previous year's work must document that additional research is new and different on Continuation Form 7.

Display & Safety

Display & Safety inspections will include a review of all submitted materials and enforcement of the display guidelines as published in the [International Rules and Guidelines](#). This includes meeting all of the format and size requirements, **providing appropriate credits for photographs, graphs and other visuals** and in having any permissions of individuals depicted in any project materials (on the board, slides or in the video) available.

ALL graphics MUST BE properly cited individually. APA format is preferred. If a graphic was obtained via the Internet then a URL must be provided (digital object identifiers are acceptable in place of long URLs). Citations must be provided alongside the graphic or in a reference list. Please refer to the [D&S Graphic Credit Guidance](#) for examples of correct citation.

Calendar of Processes

- All finalists must adhere to the deadlines below to compete at Regeneron ISEF 2025. Deadline to submit Finalist questionnaire: **12 days after your fair ends** and finalists are announced
- Final deadline for abstract rewrites by all finalists: **April 18**
- Final submission of presentation materials on ProjectBoard: **Rolling Basis**
- SRC rolling phone/video conference Interviews: **Completed by May 1**
- Display & Safety inspections of presentation materials: **Completed by May 1**

附錄一 提交與審核流程

Regeneron ISEF 文書工作

所有入圍者必須提交一份入圍問卷，其中包含項目所需的所有 ISEF 文件。所有項目至少必須包含核對清單表格 1、學生核對清單表格 1A、研究計畫和審核表格 1B。您的專案展位將提供以下表格供評審審查：官方摘要，以及（如適用）規範研究設定表格 1C 和/或續篇表格 7。這些表格將從入圍問卷自動轉至 ProjectBoard。您無法直接在 ProjectBoard 上傳。

- SRC 批准的正式摘要（250 字格式）

摘要概括了本文件其餘部分的資訊。摘要包括：(a) 研究問題或工程問題，(b) 所用程序，(c) 數據，(d) 解釋和 (e) 結論。摘要也可以包含任何可能的研究應用。摘要應僅限於這些基本要素。建議使用四邊形圖建立的摘要來說明這一點。

敘述。
- 受監管研究機構設定表格 1C（如適用）

此表格適用於在受監管的研究機構或工業環境中進行的研究，並須在指導成人完成實驗後填寫。即使學生遠端獲得了導師和實驗室人員的支持，也可以使用 1C 表格。這也包括高中教師代表遠距學生支援實驗室活動，以幫助闡明學生在專案每個步驟中的參與情況的情況。
- 續表 7（如適用）

任何延續前一年工作的項目都必須在延續表格 7 上記錄新增研究的新穎性和差異性。

展示與安全

展覽和安全檢查將包括審查所有提交的材料，並執行國際規則和指南中公佈的展覽指南。這包括滿足所有格式和

尺寸要求，為照片、圖表和其他視覺資料提供適當的來源，並獲得任何項目材料（在黑板、幻燈片或影片中）中描述的人的許可。

所有圖形必須單獨正確引用。建議使用 APA 格式。如果圖形是透過網路取得的，則必須提供 URL（可以使用數字物件識別碼取代長 URL）。引用必須在圖形旁邊或參考文獻清單中提供。請參閱 D&S 圖形版權指南，以了解正確引用的範例。

流程日曆

- 所有入圍者必須遵守以下截止日期才能參加 Regeneron ISEF 2025。提交決賽入圍者問卷的截止日期：展會結束並公佈決賽入圍者名單後 12 天
- 所有入圍者重寫摘要的最後截止日期：4 月 18 日
- ProjectBoard 上示範資料的最終提交：滾動基礎
- SRC 滾動電話/視訊會議面試：5 月 1 日前完成
- 示範資料的展示與安全檢查：5 月 1 日前完成

Appendix II. Project Presentation Instructions

You may prepare your Project Presentation using any software tools that you desire, but the final document submitted for display to the judges and the public must satisfy the following requirements.

Format Requirements

1. The Project Presentation must be uploaded to ProjectBoard as images (JPG, PNG or similar). Each page will need to be a separate image and you are limited to **no more than 12 pages**. *Tip: Powerpoint or Adobe Acrobat pages can be easily converted to separate images when content and formatting has been finalized.*
2. The pages should be created following the templates provided below. The page should be created in Landscape mode so that the entire page is visible at the same time.
3. Your pages must be without animation or active hyperlinks.
4. The page background color must be a light color and should not affect readability.
5. Text color must be predominantly dark to support readability.
6. All text should be easily readable when viewing the entire page at once. The smallest allowable font size of body text is 14 pt. and an 18 pt. font is recommended. *Exception:* You may use a smaller font size, down to 10 pt., for figure captions or photo credits.
7. All Project Presentation elements must conform to all [Display & Safety rules](#) as if placed on a physical poster for display to judges and the public. Passing a Display & Safety inspection will be required to compete. (Please see the highlight of Display & Safety Rules below.)

Format Recommendations:

1. Do not use non-standard fonts or colors to “stand out from the crowd” or to be entertaining. It is recommended that you use a font such as Arial, Calibri, Helvetica or Century Gothic.
2. Page titles should all be the same size. That size should be larger than headings within each page. In turn, headings should be larger than body text.
3. Avoid long expository paragraphs. State your points succinctly.
4. Use bullets to set out individual points of interest. Use numbered lists when the ordering of points of interest is important (*e.g.*, instructions to be followed in order, or items needing a reference anchor for citation elsewhere in your Presentation).
5. All body text should adopt a common font style and size. Similarly, all heading text should adopt a common font style and size. There is no recommendation for the relation between body and heading styles.

附錄二：項目展示說明

您可以使用任何您想要的軟體工具準備您的專案演示，但提交給評審和公眾展示的最終文件必須滿足以下要求。

格式要求

- 1. 專案簡報必須以圖片（JPG、PNG 或類似格式）的形式上傳至 ProjectBoard。每頁需單獨製作一張圖片，且頁數不得超過 12 頁。提示：內容和格式確定後，PowerPoint 或 Adobe Acrobat 頁面可以輕鬆轉換為單獨的圖片。
- 2. 頁面應按照以下提供的模板建立。頁面應以橫向模式創建，以便同時顯示整個頁面。
- 3. 您的頁面必須沒有動畫或活動超連結。
- 4. 頁面背景顏色必須是淺色，且不應影響可讀性。
- 5. 文字顏色必須以深色為主，以提高可讀性。
- 6. 所有文字同時瀏覽整個頁面時都應清晰易讀。正文允許的最小字體大小為 14 pt，建議使用 18 pt。例外：圖片說明或照片來源可以使用較小的字體，最小可至 10 pt。
- 7. 所有項目展示元素必須符合所有展示和安全規則，如同展示在實體海報上供評審和公眾展示一樣。參賽者必須通過展示和安全檢查。（請參閱下方展示和安全規則的重點內容。）

格式建議：

- 1. 不要為了「脫穎而出」或為了娛樂大眾而使用非標準字體或顏色。建議使用 Arial、Calibri、Helvetica 或 Century Gothic 等字體。
- 2. 所有頁面標題應採用相同大小。該大小應大於每個頁面內的標題。反過來，標題也應大於內文。
- 3. 避免使用長篇大論的說明性段落。簡潔地陳述你的觀點。
- 4. 使用項目符號列出各個興趣點。當興趣點的順序很重要時，可以使用編號清單（例如，需要按順序遵循的說明，或需要在簡報其他地方引用的參考資料）。
- 5. 所有正文文字應採用統一的字體樣式和大小。同樣，所有標題文字也應採用統一的字體樣式和大小。正文和標題樣式之間的關係沒有建議。

Display & Safety Rules Highlight for Project Presentation Materials

(Please see [Display & Safety rules](#) for full text.)

Photograph/Image Display Requirements

- 1) Any photograph/visual image/chart/table/student-created logo and/or graph is allowed if:
 - a) It is not deemed offensive or inappropriate (which includes images/photographs showing invertebrate or vertebrate animals/humans in surgical, necrotizing or dissection situations) by the Scientific Review Committee, the Display & Safety Committee, or Society for Science
 - b) Only if it has a credit line of origin ("Photograph taken by..." or "Image taken from..." or "Graph/Chart/Table taken from...").
 - **All images MUST BE properly cited.** This includes student-created logos, background graphics, photographs and/or visual depictions of the finalist or photographs and/or visual depictions of others.
 - All visual depictions of others require a signed photo/video release form is in a notebook or logbook at the project booth. These signed release forms must be available upon request during the set-up and inspection process but may not be displayed.
 - c) Sample release text: "I consent to the use of visual images (photos, videos, etc.) involving my participation/my child's participation in this research."
- 2) Finalists using any presentation or demonstration outside of a project board must be prepared to show the entire presentation to the Display & Safety Inspectors before the project is approved. All aforementioned rules apply to this presentation and the presentation may not be altered in any way after the final Display & Safety inspection. Examples of presentations that require approval include, but are not limited to PowerPoint, Prezi, Keynote, software program/simulation and other images and/or graphics displayed on a computer screen or other non-print delivery method.

NOT ALLOWED in your Presentation Materials

- 1) Any information on the project display or items that are self-promotions or external endorsements are not allowed in the project booth.
 - a) The use of commercial logos including known brands, institutional crests or trademarks, flags unless integral to the project and approved by the SRC via inclusion in the Official Abstract and Certification.
 - b) Any reference to an institution or mentor that supported the finalist's research except as provided in an acknowledgement section of the poster and within official ISEF paperwork, most notably Form 1C.
 - c) Any reference to patent status of the project.
 - d) Any items intended for distribution such as disks, CDs, flash drives, brochures, booklets, endorsements, giveaway items, business cards, printed materials or food items designed to be distributed to judges or the public.
- 2) Any awards or medals, except for past or present ISEF medals that may be worn by the finalist.
- 3) Postal addresses, World Wide Web, email and/or social media addresses, QR codes, telephone and/or fax numbers of a project or finalist. Note: The only personal information that is permissible to include on the display is the finalist name, school, city, state, country, age and grade.
- 4) Active Internet or email connections as part of displaying or operating the project at ISEF.
- 5) Any changes, modifications, or additions to projects including any attempt to uncover, replenish or return removed language or items after the approval by the Display & Safety Committee and the Scientific Review Committee has been received is prohibited.

專案簡報資料的展示與安全規則重點	
(請參閱展示和安全規則的全文。)	
照片/圖像展示要求	
1)	任何照片/視覺圖像/圖表/表格/學生创建的標誌和/或圖形都是允許的，前提是：a) 它不被認為具有冒犯性或不適當的（包括顯示無脊椎動物或脊椎動物/人類在手術、壞死或解剖情況下的圖像/照片）
	科學審查委員會、展示與安全委員會或科學協會
b)	只有當它具有來源信用額度（“照片由...拍攝”或“圖像取自...”或“圖形/圖表/表格取自...”）。
	所有圖片必須正確註明出處。這包括學生創作的標誌、背景圖形、入圍作品的照片和/或視覺描述，或他人的照片和/或視覺描述。
	所有涉及他人的視覺描繪均需提供一份已簽名的照片/影片授權書，該授權書需保存在專案展位的筆記本或日誌中。這些已簽署的授權書必須在搭建和檢查過程中應要求提供，但不得展示。
c)	發布文字範例：“我同意使用涉及我/我的孩子參與這項研究的視覺圖像（照片、影片等）。”
2)	入圍者若使用專案板以外的任何簡報或演示，必須準備好在專案獲得批准之前向展示與安全檢查員展示完整的簡報。所有上述規則均適用於此演示文稿，且在最終展示與安全檢查後不得以任何方式修改簡報。需要批准的簡報包括但不限於 PowerPoint、Prezi、Keynote、軟體程式/模擬以及其他在電腦螢幕上或其他非印刷形式展示的圖像和/或圖形。
不允許出現在您的簡報資料中	
1)	專案展位內禁止擺放任何物品展示訊息或自我宣傳、對外代言的物品。
a)	禁止使用商業標識，包括知名品牌、機構徽章或商標、旗幟，除非這些標識是專案不可或缺的一部分，並且經 SRC 批准納入官方摘要和認證中。
b)	除海報致謝部分和 ISEF 官方文件（尤其是表格 1C）中提供的資訊外，任何提及支持入圍者研究的機構或導師的資訊均不予提及。
c)	任何有關專案專利狀態的參考。
d)	任何用於分發的物品，例如磁碟、CD、隨身碟、小冊子、手冊、背書、贈品、名片、印刷材料或食品，旨在分發給法官或公眾。
2)	任何獎項或獎牌，除決賽選手可以佩戴的過去或現在的 ISEF 獎牌外。
3)	項目或入圍者的郵政地址、網址、電子郵件和/或社交媒體地址、二維碼、電話和/或傳真號碼。注意：允許在展示中顯示的個人資料僅限於入圍者的姓名、學校、城市、州/省、國家/地區、年齡和年級。
4)	作為在 ISEF 上展示或操作項目的一部分，啟動網路或電子郵件連線。
5)	在獲得展示與安全委員會和科學審查委員會的批准後，禁止對項目進行任何更改、修改或添加，包括試圖發現、補充或歸還已刪除的語言或項目。

Project Presentation Templates

Choose one of the following templates to create your presentation. Do not include information not specified in this template. If you are submitting a continuation project, include only information related to this year's research unless otherwise directed in the instructions below. You may include graphical elements as they would explain or illustrate your work and can be contained within the overall page limits.

Each of the required sections in each template must start on its own page and be in the order provided. Titles per section are provided as recommended titles, but alternate titles may be used. Each section may extend beyond one page as long as the total does not exceed 12 maximum pages.

TEMPLATE I: Science Projects

TEMPLATE II: Engineering Projects

TEMPLATE III: Mathematics/Computer Science Projects

專案示範模板

選擇以下範本之一來建立您的簡報。請勿包含此範本中未指定的資訊。如果您提交的是延續項目，請僅包含與今年研究相關的信息，除非以下說明另有說明。您可以新增圖形元素，因為它們可以解釋或說明您的工作，並且不超過總頁數限制。

每個模板中每個必需章節必須單獨成頁，並按照提供的順序排列。每個章節的標題均為建議標題，但可以使用其他標題。每個章節可以超過一頁，但總頁數不得超過 12 頁。

範本 I：科學專案 範本 II：工程專案 範本 III：數學/電腦科學項目

Project Presentation Template: Science Project

1. Project ID and Title

- The following should be included:
 - Project ID. This ID will be provided by Society for Science upon submission of ISEF paperwork.
 - Project Title
 - Finalist Name (s)
 - School(s)
 - City, State, Province, Country

2. INTRODUCTION - What is your research question?

- Explain what is known or has already been done in your research area. Include a brief review of relevant literature. If this is a continuation project, a brief summary of your prior research is appropriate here. Be sure to distinguish your previous work from this year's project.
- What were you trying to find out? Include a description of your purpose, your research question, and/or your hypothesis.

3. METHODS - Explain your methodology and procedures for carrying out your project in detail.

- What did you do? What data did you collect and how did you collect that data? Discuss your control group and the variables you tested.
- DO NOT include a list of materials.

4. RESULTS - What were the result(s) of your project?

- Include tables and figures which illustrate your data.
- Include relevant statistical analysis of the data.

5. DISCUSSION - What is your interpretation of these results?

- What do these results mean? Compare your results with theories, published data, commonly held beliefs, and expected results.
- Discuss possible errors. Did any questions or problems arise that you were not expecting? How did the data vary between repeated observations of similar events? How were results affected by uncontrolled events?

6. CONCLUSIONS - What conclusions did you reach?

- What do these results mean in the context of the literature review and other work being done in your research area? How do the results address your research question? Do your results support your hypothesis?
- What application(s) do you see for your work?

7. REFERENCES/ACKNOWLEDGEMENTS

- This section should not exceed one page. Limit your list to the most important references.
- List the references/documentation used which were not of your own creation (i.e., books, journal articles).
- It is permissible to include a short statement acknowledging support from supervisors, research groups and others that had a direct role in your project.

專案示範範本：科學項目

1. 項目 ID 和標題
- 應包括以下內容：

◦ 項目 ID。提交 ISEF 文件後，科學協會將提供此 ID。

◦ 專案名稱

◦ 決賽入圍者姓名

◦ 學校

◦ 城市、州、省、國家
2. 簡介—您的研究問題是什麼？
- 解釋你的研究領域中已知或已完成的研究。並簡要回顧相關文獻。如果這是一個延續項目，則需要在此簡要概述你先前的研究。請務必將你之前的研究與今年的計畫區分開來。

• 你想找到什麼？請描述你的研究目的、研究問題和/或假設。
3. 方法—詳細解釋您執行專案的方法和程序。
- 你做了什麼？你收集了哪些數據？你是如何收集這些數據的？討論一下你的對照組和你測試的變數。

• 不要包含材料清單。
4. 結果—您的專案取得了什麼成果？
- 包括說明數據的表格和圖表。

• 包括數據的相關統計分析。
5. 討論—您對這些結果的解釋是什麼？
- 這些結果意味著什麼？請將你的結果與理論、已發表的數據、普遍持有的觀點、預期結果進行比較。

• 討論可能出現的誤差。是否出現了任何你意料之外的問題？在類似事件的重複觀察中，數據有何變化？不受控制的事件對結果有何影響？
6. 結論—您得出了什麼結論？
- 這些結果對你研究領域的文獻回顧和其他工作有何意義？這些結果如何解答你的研究問題？你的研究結果支持你的假設嗎？

• 您認為您的作品有何用途？
7. 參考文獻/致謝
- 此部分不應超過一頁。請將清單限制在最重要的參考文獻範圍內。

• 列出所使用的非您自己創作的參考文獻/文獻（即書籍、期刊文章）。

• 可以包含一份簡短的聲明，感謝主管、研究小組和其他直接參與您專案的人員的支持。

Project Presentation Template: Engineering Project

1. Project ID and Title

- The following should be included:
 - Project ID. This ID will be provided by Society for Science upon submission of ISEF paperwork.
 - Project Title
 - Finalist Name (s)
 - School(s)
 - City, State, Province, Country

2. INTRODUCTION - What is your engineering problem and goal?

- What problem were you trying to solve? Include a description of your engineering goal.
- Explain what is known or has already been done to solve this problem, including work on which you may build. You may include a brief review of relevant literature.
- If this is a continuation project, a brief summary of your prior work is appropriate here. Be sure to distinguish your previous work from this year's project.

3. METHODS - Explain your methods and procedures for building your design.

- What did you do? How did you design and produce your prototype? If there is a physical prototype, you may want to include pictures or designs of the prototype.
- If you tested the prototype, what were your testing procedures? What data did you collect and how did you collect that data?
- DO NOT include a separate list of materials.

4. RESULTS - What were the result(s) of your project?

- How did your prototype meet your engineering goal?
- If you tested the prototype, provide a summary of testing data tables and figures that illustrate your results.
- Include relevant statistical analysis of the data.

5. DISCUSSION - What is your interpretation of these results?

- What do these results mean? You may compare your results with theories, published data, commonly held beliefs, and/or expected results.
- Did any questions or problems arise that you were not expecting? Were these problems caused by uncontrolled events? How did you address these?
- How is your prototype an improvement or advancement over what is currently available?

6. CONCLUSIONS - What conclusions did you reach?

- Did your project turn out as you expected?
- What application(s) do you see for your work?

7. REFERENCES /ACKNOWLEDGEMENTS

- This section should not exceed one page. Limit your list to the most important references.
- List the references/documentation used which were not of your own creation (i.e., books, journal articles).
- It is permissible to include a short statement acknowledging support from supervisors, research groups and others that had a direct role in your project.

專案示範範本：工程項目

1. 項目 ID 和標題
- 應包括以下內容：

◦ 項目 ID。提交 ISEF 文件後，科學協會將提供此 ID。

◦ 專案名稱

◦ 決賽入圍者姓名

◦ 學校

◦ 城市、州、省、國家
2. 簡介—您的工程問題和目標是什麼？
- 你想解決什麼問題？請描述一下你的工程目標。

• 解釋已知或已完成的解決此問題的方法，包括您可以藉鏡的研究成果。您可以簡要回顧相關文獻。

• 如果這是一個延續項目，請在此處簡要概述您之前的工作。請務必將您之前的工作與今年的專案區分開來。
3. 方法——解釋建構設計的方法和程序。
- 你做了什麼？你是如何設計和製作原型的？如果有實體原型，你可能會想附上原型的圖片或設計圖。

• 如果您測試了原型，您的測試程式是什麼？您收集了哪些數據？又是如何收集這些數據的呢？

• 不要包含單獨的材料清單。
4. 結果—您的專案取得了什麼成果？
- 您的原型如何滿足您的工程目標？

• 如果您測試了原型，請提供說明結果的測試資料表和圖表的摘要。

• 包括數據的相關統計分析。
5. 討論—您對這些結果的解釋是什麼？
- 這些結果意味著什麼？你可以將你的結果與理論、已發表的數據、普遍持有的觀點和/或預期結果進行比較。

• 有沒有出現任何你意料之外的問題？這些問題是由不可控的事件引起的嗎？你是如何解決這些問題的？

• 您的原型與現有原型相比有何改進或進步？
6. 結論—您得出了什麼結論？
- 您的專案結果是否如您預期的那樣？

• 您認為您的作品有何用途？
7. 參考文獻/致謝
- 此部分不應超過一頁。請將清單限制在最重要的參考文獻範圍內。

• 列出所使用的非您自己創作的參考文獻/文獻（即書籍、期刊文章）。

• 可以包含一份簡短的聲明，感謝主管、研究小組和其他直接參與您專案的人員的支持。

Project Presentation Template: **Mathematics/Computer Science**

1. Project ID and Title

- The following should be included:
 - Project ID. This ID will be provided by Society for Science upon submission of ISEF paperwork.
 - Project Title
 - Finalist Name (s)
 - School(s)
 - City, State, Province, Country

2. INTRODUCTION - What is your research question?

- Explain what is known or has already been done in your research area. Include a brief review of relevant literature.
- If this is a continuation project, a brief summary of your prior work is appropriate here. Be sure to distinguish your previous work from this year's project.

3. FRAMEWORK - Notation and framework.

- Introduce the concepts and notation needed to specify your research question, methods, and results precisely.
- Define relevant terms and explain prior/background results. (Novel concepts developed as part of your project can be presented here or in Section 4, as appropriate.)

4. FINDINGS - Present your findings and supporting arguments.

- What did you discover and/or prove? Describe your result(s) in detail. If possible, provide both formal and intuitive/verbal explanations of each major finding.
- Describe your methods in general terms. Then:
 - Present rigorous proofs of the theory results – or, if the arguments are long, give sketches of the proofs that explain the main ideas.
 - For numerical/statistical results, include tables and figures that illustrate your data. Include relevant statistical analysis. Were any of your results statistically significant? How do you know this?

5. CONCLUSIONS - What is your assessment of your findings?

- How do the results address your research question? And how have you advanced our understanding relative to what was already known?
- Discuss possible limitations. Did any questions or problems arise that you were not expecting? What challenges do you foresee in extending your results further?
- What application(s), if any, do you see for your work?

6. REFERENCES /ACKNOWLEDGEMENTS

- This section should not exceed one page. Limit your list to the most important references.
- List the references/documentation used which were not of your own creation (i.e., books, journal articles).
- It is permissible to include a short statement acknowledging support from supervisors, research groups and others that had a direct role in your project.

專案示範範本：數學/電腦科學

1. 項目 ID 和標題
- 應包括以下內容：

◦ 項目 ID。提交 ISEF 文件後，科學協會將提供此 ID。

◦ 專案名稱

◦ 決賽入圍者姓名

◦ 學校

◦ 城市、州、省、國家
2. 簡介—您的研究問題是什麼？
- 解釋您的研究領域中已知或已完成的研究。並簡要回顧相關文獻。

• 如果這是一個延續項目，請在此處簡要概述您之前的工作。請務必將您之前的工作與今年的專案區分開來。
3. 框架——符號和框架。
- 介紹準確說明研究問題、方法和結果所需的概念和符號。

• 定義相關術語並解釋先前/背景結果。（專案中開發的新概念可以根據情況在此處或第 4 部分中提出。）
4. 發現—展示您的發現和支持論點。
- 你發現了什麼？/或證明了什麼？請詳細描述你的結果。如果可能，請對每個主要發現提供正式的、直觀的/口頭的解釋。

• 概括地描述你的方法。然後：

◦ 提供理論結果的嚴格證明——或者，如果論證很長，則給出解釋主要思想的證明概要。

◦ 對於數值/統計結果，請提供能夠說明資料的表格和圖表。並包含相關的統計分析。您的結果是否具有統計顯著性？您是如何得知的？
5. 結論—您對您的研究結果有何評價？
- 這些結果如何解答了你的研究問題？相對於已知的知識，你如何提升了我們的理解？

• 討論可能存在的限制。是否出現了任何你意料之外的問題？
您預見到在進一步擴展您的研究成果時會面臨哪些挑戰？

• 您認為您的作品有何應用（如果有）？
6. 參考文獻/致謝
- 此部分不應超過一頁。請將清單限制在最重要的參考文獻範圍內。

• 列出所使用的非您自己創作的參考文獻/文獻（即書籍、期刊文章）。

• 可以包含一份簡短的聲明，感謝主管、研究小組和其他直接參與您專案的人員的支持。

Appendix III. Quad Chart Instructions

A “quad chart” is a single page divided into four quadrants providing a high-level summary of the project. It is intended to be bulleted information that a judge could review at a quick glance and then proceed to the Project presentation for more details. Follow the model below that corresponds to the Project Presentation template you selected.

1. The page should be created so that **the entire page is visible at the same time**. The page should be created in Landscape mode.
2. The page will have to upload as an image to ProjectBoard.
3. The page background color should be a light color and text color predominantly dark to support readability.
4. The minimum allowable font size is 14 pt. and larger fonts are encouraged for readability. *Exception:* You may use a smaller font size, down to 10 pt., for figure captions or photo credits.
5. Text should be in list or bulleted form and as brief as possible. This chart is intended as a high-level summary that can be read at-a-glance.
6. All four quadrants of your Quad Chart should each be the same size with a single border line delimiting each, as in the examples below.
7. The Title section should be only tall enough to include the required elements which are the same as the abstract header. The project title should be at the largest header size of the document for easy identification of the project. (See section on Quad Chart Title).
8. The Quad Chart should include all appropriate photo credits, should not include a bibliography, references, or acknowledgments and must adhere to all Display & Safety rules.

Approximate examples of the format of a Quad Chart are listed below. Additional examples and a template will be posted to the Society for Science website.

Science Project Quad Chart		Booth ID	
Author, School, City, State, Country			
Q1: Scientific Question - Bullet 1 - Bullet 2 Image credit	Q3: Data Analysis & Results - Bullet 1 - Bullet 2 Data Chart credit		
Q2: Methodology Image - Bullet 1 - Bullet 2 credit	Q4: Interpretation & Conclusions - Bullet 1 - Bullet 2		

附錄 III. 四圖表說明

「四象限圖」是一頁分為四個象限的圖表，提供項目的高階摘要。它旨在以項目符號的形式呈現訊息，以便評審快速瀏覽，然後繼續閱讀專案簡報以了解更多詳情。請遵循以下與您選擇的專案簡報範本相對應的模型。

1. 頁面建立時應確保整個頁面同時可見。頁面應以橫向模式建立。
2. 該頁面必須作為圖像上傳到 ProjectBoard。
3. 頁面背景顏色應為淺色，文字顏色應以深色為主，以提高可讀性。
4. 允許的最小字體大小為 14 pt，建議使用更大的字體以提高可讀性。例外：您可以使用較小的字體，例如 10 pt 來表示圖片標題或照片來源。
5. 文字應採用清單或項目符號形式，並盡可能簡潔。此圖表旨在提供一目了然的概要。
6. 四邊形圖的所有四個象限應具有相同的大小，並且每個象限都由一條邊框線分隔，如下例所示。
7. 標題部分的高度應足以包含與摘要標題相同的必要元素。項目標題應與文件的最大標題尺寸一致，以便於識別項目。（請參閱“四元圖標題”部分）。
8. 四元圖表應包含所有適當的照片來源，不應包含參考書目、參考文獻或致謝，並且必須遵守所有顯示和安全規則。

四元圖格式的大致範例如下。更多範例和範本將發佈在科學協會網站上。

科學計畫四元圖		展位號	
作者、學校、城市、州、國家 Q1：科學問題			
• 項目符號 1 • 第 2 點 影像		Q3：數據分析與結果 • 項目符號 1 • 第 2 點 數據圖表 信用	
Q2：方法論 影像 • 項目符號 1 • 第 2 點 信用		Q4：解釋與結論 • 項目符號 1 • 第 2 點	

Engineering Project Quad Chart		Booth ID
Author, School, City, State, Country		
Q1: Engineering Problem & Objectives	Q3: Data Analysis & Results	
Q2: Project Design	Q4: Interpretation & Conclusions	
Math/Computer Science Project Quad Chart		Booth ID
Author, School, City, State, Country		
Q1: Problem or Question	Q3: Findings	
Q2: Framework	Q4: Interpretation & Conclusions	

Quad Chart Title:

- In the upper right-hand corner, list the Project ID.
- Line one is the title of your project.
- Line two is your name, school, city, state, country.

Quadrant 1: Research Question/Engineering Objectives

- This should reflect material in #2 of the Project Presentation Template.
- Please state the research question or engineering problem being addressed.
- A leading core graphic or visual is encouraged, but not required.

Quadrant 2: Methodology/Project Design

- This should reflect material in #3 of the Project Presentation Template.
- Please provide a succinct, bulleted summary of the methodology/project design.

Quadrant 3: Data Analysis & Results

- This should reflect material in #4 and #5 of the Project Presentation Template.
- It is advised that this quadrant should primarily be a graphic representation of relevant data and results.
- Text should be kept to a minimum.

Quadrant 4: Interpretation & Conclusions

- This should reflect material in #5 and # 6 of the Project Presentation Template.

工程項目四元圖		展位號
作者、學校、城市、州、國家		
Q1：工程問題與目標	Q3：數據分析與結果	
Q2：專案設計	Q4：解釋與結論	

數學/計算機科學計畫四元圖		展位號
作者、學校、城市、州、國家		
Q1：問題或疑問	問題 3：調查結果	
Q2：框架	Q4：解釋與結論	

四圖表標題：

- 在右上角列出項目 ID。
- 第一行是您的專案標題。
- 第二行是您的姓名、學校、城市、州、國家。

第一象限：研究問題/工程目標

- 這應該反映專案簡報範本#2 中的材料。
- 請說明正在解決的研究問題或工程問題。
- 鼓勵但不要求使用主要的核心圖形或視覺效果。

第二象限：方法/專案設計

- 這應該反映專案簡報範本第 3 項中的材料。
- 請提供方法/專案設計的簡潔、重點摘要。

象限 3：數據分析與結果

- 這應該反映專案簡報範本的第 4 和第 5 項中的材料。
- 建議此象限主要以圖形方式表示相關數據和結果。
- 文字應保持在最低限度。

象限 4：解釋與結論

- 這應該反映專案簡報範本的第 5 和第 6 項中的材料。

Appendix IV. Project Video Instructions

Record a video (maximum duration 2 minutes) explaining your project. The target audience for this video is members of the general public who will view the projects virtually during Regeneron ISEF and in the months following. While judges will have access to this video, it will not be the focus of their project review. This video must comply with all [Display & Safety Rules](#), particularly those involving logos, acknowledgements and properly crediting images/graphs/photos.

What to include in your video:

1. Introduce Yourself: State your full name and your city/state/country. Rather than reciting your project title, consider explaining your project in a single sentence. The video should feature you presenting your project orally as if in front of your physical project board presenting to a judge or a member of the public.

2. Explain Your Project: Summarize your research into main points:

- a. What did you do?
- b. What did you find?
- c. What conclusions did you draw?

To note:

- Videos can either be uploaded directly to ProjectBoard or you can embed a YouTube video. The YouTube link will need to be public, but it is not required that it be listed. It is recommended that the video be named the project short title. If uploading directly, videos must be less than 500 MB in size.
- We encourage you to be prominently displayed in the video (as opposed to having the video be prominently your slides).
- You can use any props or visuals you may have that are within the Display & Safety guidelines.
 - *Tip: This video is a summary statement about your project and the scientific or engineering design process you followed; it is not intended as an advertisement or sales pitch.*
- Do not include anyone in your video other than the student researchers of the project.

Best Practices for Filming:

These videos will not be edited. To ensure your video is the best representation of your work, please keep these best practices in mind while filming:

- Please speak in English or provide English sub-titles.
- Film yourself in a well-lit and non-distracting environment so the viewer's focus stays on you and your work.
- For best results, film your video horizontally (landscape).
- Keep the camera still and in place during filming.
- Speak clearly and loudly enough that the recording is able to pick up every word you say.
- Avoid long pauses.
- Listen to your video after recording to ensure your voice is clear and audible, and that the video has not picked up too much background noise.
- Confirm the size of the video is less than 500 MB.

附錄四、專案影片說明

錄製一段影片（最長 2 分鐘）來解釋你的專案。這部影片的目標受眾是一般大眾，他們將在 Regeneron ISEF 期間以及之後的幾個月內以線上方式觀看你的專案。評審可以觀看該視頻，但視頻不會成為他們項目評審的重點。該影片必須遵守所有展示和安全規則，尤其是涉及徽標、致謝以及正確標註圖片/圖表/照片的規則。

影片中應包含的內容：

1. 自我介紹：請提供您的全名以及您所在的城市/州/國家。與其背誦項目名稱，不如用一句話來解釋您的項目。影片應該以口頭形式呈現您的項目，就像您在實體項目板前向評審或公眾進行演示一樣。

2. 解釋你的專案：總結你的研究要點：a.你做了什麼？

b. 你發現了什麼？ c.

你得出了什麼結論？

需要注意的是：

- 影片可以直接上傳到 ProjectBoard，也可以嵌入 YouTube 影片。YouTube 連結需要公開，但不強制列出。建議將影片命名為項目簡稱。如果直接上傳，影片大小必須小於 500 MB。
- 我們鼓勵您在影片中突出顯示（而不是讓影片突出顯示您的幻燈片）。
- 您可以使用任何符合展示和安全指南的道具或視覺效果。
 - 提示：該影片是有關您的專案以及您遵循的科學或工程設計過程的總結性陳述；它不作為廣告或推銷。
- 除了該計畫的學生研究員之外，不要在影片中包括任何人。

拍攝最佳實踐：

這些影片不會被剪輯。為了確保您的影片能最好地展現您的作品，請在拍攝時牢記以下最佳實踐：

- 請用英語講話或提供英文字幕。
- 在光線充足、沒有乾擾的環境中拍攝自己，讓觀眾的注意力集中在您和您工作上。
- 為了獲得最佳效果，請水平（橫向）拍攝影片。
- 拍攝期間保持相機靜止不動。
- 說話要清晰、響亮，以便錄音能拾取您說的每一個字。
- 避免長時間停頓。
- 錄製後聆聽您的視頻，確保您的聲音清晰可聽，並且視頻沒有拾取太多背景噪音。
- 確認影片大小小於 500 MB。