

Indus School Science Fair

Steps to Success

The 12th Annual Indus School Science Fair takes place on Tuesday, February 13, 2018. All students in Grades 5 through 9 must participate, but they can elect to do so either *competitively* (external judges) or *non-competitively* (marked by their teacher). The competitive projects with the highest scores will be invited to represent our school at the Calgary Youth Science Fair, held at the Olympic Oval from April 11th to the 14th.

November - January: Building your Project

Check each box as you complete the related task.

- Get a notebook, binder, or duotang to use as a [logbook](#). **Record everything you do and keep any papers, etc. related to the project in your Logbook**
- Select a topic in which you are interested (brainstorm in your logbook).
- Conduct some basic research to determine what is already known about the topic; determine into which [topic/category](#) it falls (record your notes in your logbook)
- Decide **what question you have about the topic** (brainstorm and finalize in your logbook)
- Determine whether you need to conduct an [experiment](#) or complete a [research/non-experimental](#) project to answer your question (write it in your logbook).
- Look at the [Experimental](#) and [Non-Experimental Project](#) scoring sheets to be clear about what is expected of you (fasten them into your logbook)
- Read the ["Tip Sheet"](#) to help you do things the best way (fasten into log book)
- Consider these regulations prior to starting your experiment (fasten copies into your logbook):
 - [Policy 20: Use of Human Participants in Research](#)
 - [Guidelines for use of Animal/Human Subjects](#) – different from above
 - [Entry Rules](#) and [Safety Regulations](#) (keep them in your logbook)
- Prior to doing anything on an experiment:**
 - If animals or humans are used in your experiment, complete and submit (to Mrs. Hansen)
 - [Ethics And Due Care Form 2A](#)
 - [Significant Risk Approval Form 2B](#)
 - [Informed Consent Form 2C](#) (human participants only) **before** starting your experiment. (Keep a copy of your approvals in your logbook).
- Complete your Experiment at home** (record everything in your logbook)
- Complete your write-up, including titles, and have it proof-read by several people before printing.**

- Complete your [trifold](#) display at school.** The school will provide you with a trifold. NOTE: The final appearance of your tri-fold is only worth 6% of your score. The physical appearance is not as important as the information and organization.

January: Improving your project

- Read and follow the [tips sheet](#) and information on the [oral presentation](#) of your project
- Students use the judges tally sheets ([experimental](#), [research](#)) to assess their own work and identify strengths and weaknesses in their projects, then fix those weaknesses.

- February 13: ***Indus School Science Fair*** – 9:00-11:30

- The top competitive projects in Grades 5 and 6 (Elementary) and Grades 7 through 9 (Secondary) will be registered for the Calgary Youth Science Fair.

February –April: Making Them ‘Even Better’

- Those students moving on to the CYSF should use the time between the Indus Fair and CYSF time to improve their projects
- Judging Sheets for CYSF: [Elementary](#); [Secondary](#)

April 11-14: ***Calgary Youth Science Fair*** (see <http://CYSF.org> for more details)

VIDEO: [Preparing for Science Fairs](#): Seven Instructional Parts and Three Examples:
<http://www.sciencefairinfo.ns.ca/theblog/2008/02/10/preparing-for-science-fairs-dvd/>