

DVSF Policy Regarding Artificial Intelligence, AI

1. Rule Change:

This change has been made within DVSF's Rules, which are based on ISEF Rules for All Projects, webpage at <https://www.societyforscience.org/isef/international-rules/rules-for-all-projects/#EL>.

2. Policy:

Scientific fraud and misconduct are not condoned at any level of research or competition. This includes plagiarism, forgery, use or presentation of other researcher's work as one's own, and fabrication of data. **Student researchers must clearly document in their procedure, logbook, or poster how Artificial Intelligence was used in their project.** Fraudulent projects will fail to qualify for competition in affiliated fairs and Regeneron ISEF. DVSF reserves the right to revoke recognition of a project subsequently found to have been fraudulent.

3. Message to Students:

How should a student document/present the use of Artificial Intelligence, AI? Is it different from other tools?

Artificial Intelligence (AI) is a powerful research tool, and any AI use must be clearly written in your procedure, logbook, or poster so the judges can completely understand how AI was used in your project.

Students should document exactly how they used AI in their project, just like they should document the use of any other technology. Students must cite the use of AI just as they should cite research, results, conclusions, and tools from the literature. This documentation should be clearly cited in their procedure, logbook, research paper, or poster. The absence of this documentation will result in disqualification from the competition.

Judges must be able to understand the details of their use of AI, and not some bare-minimum statement of "I used AI in my project."

For instance, if one actually used Chat-GPT (or anything similar) with a 'prompt', then the complete prompt that they used to generate project content should be available to the judges too. If it's a very long prompt, then it can be in their research paper, logbook, or whatever other hardcopy form that will be available with their display.

It is the responsibility of the student(s) to disclose the use of artificial intelligence (AI) tools. There are legitimate uses for AI. The expectation is the student should explain why and how AI was used. Just as students cannot claim someone else's research as their own, they cannot claim text, data, or conclusions generated by AI as their own.

4. Message to Judges:

As always, the main objective is to evaluate what the student learned doing their project. The interview becomes even more important since Artificial Intelligence tools like GPT-4-Turbo (released Nov 6) have already become so sophisticated that it can produce text and images that can 'fool' people not fluent in whatever the topic is. Judges must go **beyond** the project's printed content (which any smart student could memorize) and ask detailed questions that test the student(s)' deep understanding of their project, which could only result from their having performed the experiments, done the analysis, and made the conclusions themselves.