

ENGINEERS OF THE FUTURE AWARD

2023 Rubric for Judges

Projects will be judged in 3 different categories: **creativity**, **exploration of engineering** and **connection to real-life contexts**.

In this rubric, some categories have more structure and specific check-off items, while others have more general questions to help with giving an overall category score.



Prompts

- *Experience of engineering*: Reflect on experiences with engineering you have had in your own life.
- *Beauty of engineering*: Reflect on a time you were inspired by an engineering solution's elegance or beauty.
- *Dream of engineering*: Envision how engineering could change the world in the future.

Creativity (maximum: 15 points) _____ / 15

This is a more subjective score that should encompass the following areas:

- Are the theme, message and/or visual content used in the project memorable (funny, entertaining, interesting, unique, etc.)?
- Did anything surprise you in reading or looking at this project?
- Are there artistic or written elements that add to the quality of the project?
- Does the format or medium used for the project enhance its quality? Does the format chosen feel intentional to answer the prompt well or just randomly chosen?

Exploration of Engineering (maximum: 15 points) _____ / 15

_____ 0-5 pts The connection to engineering is communicated effectively. This project feels connected enough to engineering specifically that it could not easily be answering just any random topic.

_____ 0-5 pts The project demonstrates an understanding of engineering—either the general field or a specific engineering field (aerospace, biomedical, mechanical, etc.).

_____ 0-5 pts The connection to engineering is relevant.
Experience of engineering: ideas connect to something that could affect a middle schooler's life.
Beauty of engineering: ideas demonstrate not just beauty, but are truly inspired by engineering.
Dream of engineering: the ideas draw on the kinds of problems and topics addressed by engineers.

Connection to Real-Life Contexts (maximum: 10 points) _____ / 10

_____ 0-5 pts The project demonstrates not just an examination of engineering, but how it improves or changes our lives, helps people or solves global challenges that affect us.

_____ 0-5 pts After reviewing or reading the project, it is clear the applicant has given a great deal of thought to how engineering has affected or could affect them personally (either directly or indirectly).

Following Guidelines and Rules (check off all applicable)

- The project was submitted by the deadline.
- The project is clearly the student's work, not a done by a teacher, parent or professional.
- If it was a written or hybrid project, it contains no more than 500 words.
- The project follows rules related to not disparaging anyone and not containing inappropriate content.