

The Engineering Method

Following is an outline of the engineering method based on the criteria used by ISEF:

- **Title** — what your project is about
- **Description** — what is the practical need or problem you want to solve
- **Design Criteria / Constraints** — for proposed solution
- **Alternatives** — that answer a similar need or problem
- **Solution** — what is your answer to the problem
- **Prototype or model** – what you use to test your answer
- **Data/Results** — the results of testing your prototype in multiple conditions and trials
- **Conclusion** – how well your prototype demonstrates your intended design Solution