

How To Guides

Volume # 2: Present Technology

OVERVIEW

Present Technology is the first section of the [Description](#). Teams should brainstorm ideas of a current technology that they would like to improve. After choosing a technology, teams research the current technology to learn and explain what it is, how it functions using scientific information and include why the technology needs to be improved by identifying a key challenge or limitation of the current technology.

*“**Present Technology:** Give an overview of the present form of the technology, including some scientific principles involved in how it functions. Define a key challenge or limitation of this present technology that you will address in your [ExploraVision project](#).”*

RUBRIC

This section is worth 10% of the entire project. It will be worth ten points based on the following criteria

- Did the team give an overview of the present technology? (4 pts)
- Did the team include how your current technology functions using scientific information? (4 pts)
- Did the team define a key challenge or limitation of this technology? (2 pts)

STEPS

Below are suggested steps teams can use when finding and choosing their Present Technology, selecting the format for their project, and writing about the Present Technology.

1. Brainstorming ideas for finding Present Technology.
 - a. A document to help teams begin brainstorming may be found [here](#). Other resources for [brainstorming](#) are also on the ExploraVision website.
 - b. Look at the [High School Tips](#) for information on the use of ChatGPT.
 - c. The use of local news articles is a great starting point for teams to produce ideas.
 - d. Look at [winning projects](#) from 2026 and brief descriptions and websites of [regional](#) and [national winners](#) back to 2008.
2. Choose one current technology to use for the project.
3. Select the [format](#) for submitting the project based on grade band:
 - a. Grade band K-3
 - i. Storyboard format (PowerPoint template, Google template, MS Word template) OR
 - ii. Standard Project Format
 - b. Grade band 4-6
 - i. Presentation format (PowerPoint or Google slide) OR
 - ii. Standard Project Format.
 - c. Grade band 7-9 and 10-12
 - i. Standard Project Format.
4. Write about their project under the heading of Present Technology using the chosen description format.

Once the team completes all six sections of the Description (Present Technology, History, Future Technology, Breakthroughs, Design Process, and Consequences, along with the Bibliography), the coach should upload the Description as part of the project submission and click “Save”. The coach should not click “Save and Submit” until the remainder of the project (Abstract and technology launch flyer) is uploaded, and the Terms and Conditions questions are acknowledged by the coach.