

How To Guides

Volume # 4: Future Technology

OVERVIEW

Future Technology is the third section of the [Description](#). This is the section where students can “Explore A Vision”. Based on their chosen current technology, students should envision what that technology could be in ten or more years. This is the time for teams to be creative, think outside of the box, imagine the future, ask “what if”, and brainstorm to come up with a new invention. Teams need to include scientific principles involved in developing the future technology.

“Future Technology: *Describe the team’s vision for what this technology will be like in 10 or more years — including scientific principles involved in developing the technology.*

RUBRIC

This section is worth 24% of the entire project. It will be worth twenty-four points based on the following criteria:

- Did the team describe what their vision is for the future technology in 10 or more years? (12 pts)
- Did the team include scientific principles needed to develop the technology? (12 pts)

STEPS

Below are suggested steps teams can use as they envision and write about their future technology.

1. Brainstorming ideas for a Future Technology.
 - a. Use the current technology to think about what improvements could be made in the future.
 - b. Write down all the ideas team comes up with and do not discourage anyone from thinking outside of the box. Ideas do need to be realistic based on science and engineering.
 - i. What is a problem you want to solve? How could a re-design of the current technology solve that problem?
 - ii. What is a current technology you use? How could it be better? What could be added?
 - iii. Ask the question, “*What if we change....?*”
2. Decide what ideas the team wants to use.
3. Research if the idea(s) already exist – if they do, this is not a Future Technology.
4. Research what science is needed to make changes to the current technology to develop the Future Technology.
5. Write about the idea under the heading of Future Technology using the chosen description format (discussed in the How to Guide Vol 2).
6. Any research that is used must be cited in the bibliography. Keep adding to the list of resources throughout working on the sections rather than waiting until the end of the project.