

Bright Ideas Entry Form

Team name:

Year group:

School name: School postcode:

Teacher's name:

Teacher's email address:

1. Describe the energy problem a city in 2050 will face (that your bright idea will solve)

(200 words max)

Tip: Here's where you describe the problem you've chosen and justify the need for a solution.
Why is it important that this problem gets solved?

2. Describe your bright idea – how will it solve the problem you've outlined above?

(300 words max)

Tip: Here's where you...

- ▶ Use your science, maths, geography or other skills to explain how your idea is feasible and will work – you can even include a diagram if that helps!
- ▶ Describe who might be involved in making your solution a reality. Would different experts, businesses, governments or technologies need to work together to make your solution happen?
- ▶ Describe who this solution will benefit. This can include all people, or particular groups (elderly, students, families etc.), businesses or animals.

3. Tell us about the research you did. Reference the sources you used during your research and any scientific theories that support your idea (200 words max)

Tip: Here's where you...

- ▶ Back up your idea with solid research!
- ▶ Name the sources you used to do your research
- ▶ Describe any scientific theories that support your idea – you can even include diagrams if that helps!

4. Did you consider other solutions? Why is this idea the best solution to solve this problem? (200 words max)

Tip: Here's where you...

- ▶ Mention some of the ideas you considered, but then explain why the solution you chose is the best way of solving the problem
- ▶ Back up your claims with scientific theories and/or by referencing the resources (books, websites, lessons) you used during your research

5. Describe how you planned and managed your project as a team

(150 words max)

Tip: Here's where you...

- ▶ Tell us how you allocated tasks within your team
- ▶ Explain how you solved problems and came up with your ideas together
- ▶ Tell us how you kept the project on track



6. Collaboration: How did you contribute to your team?

Student 1

What three strengths did you bring to the team?

What did you learn about yourself doing this project?

Student 2

What three strengths did you bring to the team?

What did you learn about yourself doing this project?

Student 3

What three strengths did you bring to the team?

What did you learn about yourself doing this project?

Student 4

What three strengths did you bring to the team?

What did you learn about yourself doing this project?

Student 5

What three strengths did you bring to the team?

What did you learn about yourself doing this project?

If you enjoyed The Bright Ideas Challenge, why not explore careers that could see you change the world for the better? Find out more about the amazing opportunities that studying science, technology, engineering and maths could bring at tomorrowsengineers.org.uk – you've already proved you've got what it takes!