

TOP TIPS

for students completing a Bronze project

1. Understand the problem

Find out more about the Industrial Strategy Grand Challenges and make sure you are clear about the problem you need to solve and the time you have. If you are developing your own project idea, discuss your ideas with your teacher or mentor.

2. Plan your approach

Draw or write a plan showing how you will approach the problem, the tasks you will complete, the resources you'll need and how long you will spend on each task. Ask your teacher or mentor for feedback on your plan.

3. Watch out!

Identify any risks to health and safety or ethical concerns you think there will be. Decide how you will limit or overcome these risks. Show your risk assessment to your teacher.

4. Research

Consider finding a professional mentor by contacting your local STEM Ambassador hub: stem.org.uk/stemambassadors/localstem-ambassadorhubs

Find out more by doing some research using the suggested links on the project page.

Research relevant news articles, blog posts and other media sources.

5. Use your research to improve your plan and generate ideas

Use your research to help you come up with a possible solution or to select the best experiments to use in your practical work.

6. Finalise your idea and carry out practical work

Carry out any practical work including experiments, surveys, designing and making activities. When testing your ideas, make sure you make it a fair test and record all your results clearly. You could also use photos and a diary to record your project activities.

7. Concluding your project

What have you found out by doing your project?

Did you come across any problems, how did you overcome them?

What is the impact of your project for other people, how could it be developed further?

Has it changed how you feel about the Industrial Strategy Grand Challenges?

8. Choose the best way to communicate it

Tell others about what you did. You could use a written report, a digital presentation, a blog or a poster display. Make sure you include each stage from planning through to the conclusion.