Getting ready for your research

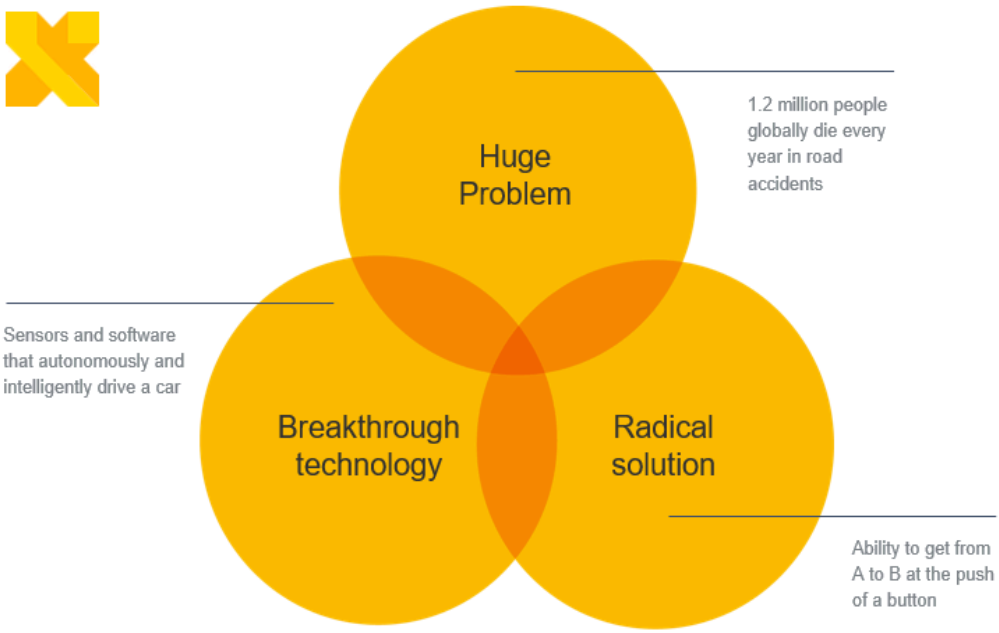
This guide will help you design and execute your best research project. Again, spending time and putting in effort here will help make the best research project possible. Additionally, the more diligent you are here, the better your project will be and the easier the steps that follow will be.

Background Information and Activities to help you.

Thinking outside the box - Can you link all the dots with no more than three straight lines, without lifting your pencil?



Moonshot thinking: [the self-driving car]



Modified from Google Science Fair Documents

Idea Generation:

When you are thinking about your solution, always link it back to the user:

- Who would benefit from self-driving cars?
- What problems would be eradicated if this technology became the norm?
- How could people's lives improve because of this?

Solving the problem:

- Take the problem you want to solve and start to interrogate it.
- At this stage, no idea is a bad idea.
  Give yourself total freedom with your thinking.
- Which solution would help the most people?

The problem I want to solve is:

3 MINUTES Write down **ANY** questions you have, based on the problem you want to solve.	**2 MINUTES** **Refine** your questions (expand some, tighten some, split some etc.).	**1 MINUTE** **Prioritize** your questions.