Science Fair Project Booklet

LI – To carry out a fair investigation and present findings in a clear manner.

Name:

Investigation Question:

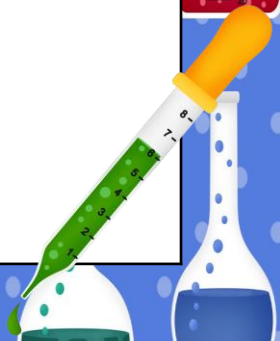
What is a Science Fair Project?

- Hey great! You get to do a Science Fair Project!
- Are you confused about all those science terms like “scientific method,” “results,” “controls,” and “conclusions”? Don’t worry, these blueprints will help you easily complete the project step by step. Take a look at the ABCs below to get a big picture of what is ahead.
    A. Find out some background information about the science of your experiment.
    B. Solve a problem by carrying out the scientific method.
    C. Create a way to present your findings.
- Follow these steps carefully and thoroughly and you’ll find doing a science fair project can be fun and really not that difficult!
- First thing is to choose your project. There are a selection of projects in the pupil folder section of the class Teams files page. Choose one that interests you or if you have an idea for your own interesting experiment, let me know in the chat and we can discuss how to investigate it.

Learn More About Your Project - Gather information related to your topic. You are looking for related information that will help you come up with an educated guess of the correct answer. Write it down, draw pictures, take notes, whatever way works best for you! Keep focused on the question. Don't bother with information that is not useful. Remember that for this step you are not trying to find an answer to your question. You are trying to gather information that will help you make a hypothesis. You are looking for information that will help you make an educated guess.

Scientific Method

Hypothesis – From what you know already what do you think will happen?	
The variable I will change.	**I will measure/observe.**
To make it a fair test I will keep these variables the same.	
Method – what are the steps for carrying out your experiment? (in your own words)	



Results – Choose the best method of displaying your results. It could be a table, graph, explanation or photos.

Conclusion

Answering our question - When I changed _____ what happened to _____?

Why?

Was your prediction correct?

Were there any unusual or unexpected results? What do you think caused them?

Display

Your display is what gets attention. It should be well organised. Viewers should be able to quickly get an idea of what question you were trying to find an answer to, how you did it, and what answer you found. You can choose to display your experiment in different ways – a poster. A PowerPoint, a video record, through a photo diary or another creative way of your choosing.

Example only.