



Science Fair 2015

What is a Science Fair??

A Science Fair is an exciting event that encourages you to think like a young scientist!!

You need to design and produce a science experiment/investigation that uses the scientific method to solve a problem. You will present your project to one/two judge(s) (unknown at this point) and also to your teacher. Other visitors may ask you about your project too!

What do I do?

1. Choose a subject area that really interests you e.g. plants, electricity, forces, do a survey... Remember that a science fair project is a lot of work and if you are not really into it, it will seem much harder. You may need to start it early to get the results for your conclusion.
2. Think of a Scientific Question - it MUST be a question where something is being tested... such as:
 - Which material is the best insulator for hot coffee?
 - Which is the best water for making salt crystals?
 - Which material is the best for growing plants - soil, rock or sand?
3. Plan/Design an experiment to answer your scientific question, remember it needs to be a fair test, so **KEEP IT SIMPLE.**
4. Before you begin your experiment write your Hypothesis/Prediction with a reason
5. Perform your experiment
6. Record your results and data (photographs and graphs always look great!)
7. Draw conclusions from your results
8. Answer your scientific question
9. Present your project. Think about how you will set it out; remember neatness, colour and clear writing are very important!
 - Present a poster board display, if you add photos this will make your poster board look really appealing!
 - Be able to answer questions about your project

Here are a few ideas:

Testable Question	What is changed?	What stays the same?	Data collected
What amount of water is best to grow tomatoes?	Amount of water (.5L, 1L, 2L)	Soil, amount of light, type of plant, temperature, location	Height of each plant over time
What type of paper makes the best paper airplane?	Type of paper	Design of plane, size of paper, thrust, air currents	Distance plane travels using the same amount of thrust
Does the sun heat salt water and fresh water at the same rate?	Salinity of the water (grams of salt per litre)	Container, starting temperature	Temperature over time (1 hour)
What is the best insulator to keep ice from melting?	Type of insulation in a container	Amount of ice, starting temperature	Time for ice to completely melt

Important Dates

The Science Fair will take place on the following days - PLEASE remember the date for your judging:



Grade 3 June 16th (Tues) 2-3pm during lesson

Grade 4 June 17th (Wed) 2-3pm during lesson

Grade 5 and Grade 6 together June 16th (Tues) 10.15-11.15am during grade 6 lesson

The winners will be announced in the assembly on Friday the 19th June; please come along and support the winners!

Please note: parents are invited to come and see their child being judged and to look at the other posters/displays in the science lab at the above times mentioned

From today you have approximately 4-5 weeks to plan, carry out and get your project ready!!

Helpful Hints:

- Get some help from other people, BUT REMEMBER THAT IT IS YOUR PROJECT, the judges will know if you have had TOO MUCH help from an adult and will not give you as many marks; your chances of winning will be greatly reduced
- Set yourself a timetable of when you will do parts of your project DO NOT leave things for the last minute
- Keep a journal/diary to take notes
- Take photographs or draw diagrams to show observations/results
- Draw tables/charts/graphs to show your data (these look fantastic on your display board)
- Your project does not have to be very complicated to be a great science fair project
- Research your project, look at books in the library or get onto the internet
- Ask your teacher for help or advice

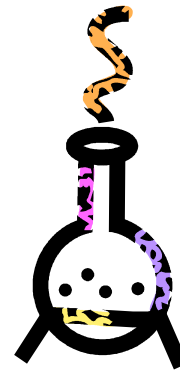
Here are some really useful websites to help you:

<http://pbskids.org/dragonflytv/scifair/index.html>

<http://www.ipl.org/youth/projectguide>

<http://scienceclub.org/scifair.html>

<http://www.education.com/science-fair/>



Remember that you should most of all HAVE FUN! Please come and ask me if you have any queries/concerns!

I can't wait to see your projects!

Mrs Jimenez