



Monday 6th March 2023

Dear Grazebrook Families

Grazebrook Primary School Science Fair Project Guidance

Following on from our previous letter, we are writing with further information about our Science Fair which is taking place as part of our British Science Week activities. The Science Fair will be held on **Thursday 23rd March 2023** in the main hall at Grazebrook. Families will be invited to attend by year group. Timings will be confirmed later this week.

Thank you to the students who have registered already. Please read on to find out **important information and top tips**.

The theme of this year's British Science Week is 'connections'. Nearly all innovations in science, technology, engineering and maths are built on connections between people; two (or more) heads are better than one, after all! But as well as exploring the importance and joy in connections between individual scientists, research groups and institutions, you could discover the different ways connections appear across all areas of science.

The goal of our science fair is for children to answer a question based on a hypothesis.

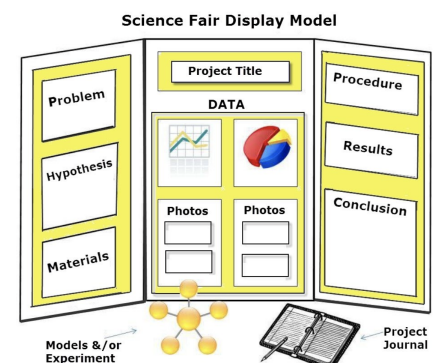
Project Requirements

Individual projects must be completed at home (with the help of an adult). **You can decide what you want your project to be based on. It is not restricted to the theme 'connections'. We welcome all of your innovative ideas!**

Here are some ideas to help you:

Scientific Study Projects: Research an area of science that interests you, then make a display and or a model about the topic of choice. For example, if you are in Year 1 or 2 you might create a display board describing 6 facts about aeroplanes and make a model out of wood or paper. Please make sure that the models are easy to bring and set up at school. Photos of models are also allowed.

Invention Projects: Invent and build an item that is useful to others then make a display board or poster explaining how the idea originated, how the invention can be used and who might find it useful. Try and make sure your invention is portable so that it can be brought into school. Photos of the invention can be used too.



Scientific Experiments Project: Conduct an experiment using a scientific method and prepare a display board, poster or leaflet explaining the experiment. Include the question, research, hypothesis/prediction, description of experiment (materials and procedure) and conclusion. An example of an experiment question might be, 'What are the conditions for germination? Observe a variety of seeds over time. Research could be any reading that is done on conditions for germination to take place. A hypothesis for this project could be a prediction about the best conditions for germination to take place. The description includes what was used for the experiment and what occurred. The conclusion states the outcome of the experiment.

For all projects, where possible, use recycled or reusable materials. Creativity is encouraged. Models can be made of clay, playdough, paper- mache, wood, string, lolly sticks, toothpicks, cardboard, jars...

Entries should be brought to school on Monday 20th March (unless edible!) and will go on display for everyone to read and experience on Thursday 23rd March.

Useful websites to get you started:

<https://www.scholastic.com/parents/school-success/learning-toolkit-blog/dont-fear-fair-8-tips-to-make-your-childs-science-fair.html>

<https://littlebinsforlittlehands.com/science-project-ideas/>

<https://www.uniqueideas.site/10-awesome-science-fair-poster-board-ideas/>

We cannot wait to see the outcome of your focus, creativity and collaboration. If you have any questions, please talk to your child's class teacher or contact Mrs Marantha Cabey or Mrs Katie Beecroft.

Best wishes

Mrs Cabey and Mrs Beecroft
Year 4 Teacher and Headteacher