

Science Fair Homework – compulsory for grades 5-7

Task: to present an experiment at the Science Fair. You will need to do the following things:

Stage 1 - Find an experiment you want to do: you could use an experiment we have done in lesson, or you could find your own. A simple experiment is often a good idea. Some useful sites for ideas are:

<http://www.kids-science-experiments.com/experiments.html>

<http://www.sciencekids.co.nz/experiments.html>

http://www.sciencekidsathome.com/science_experiments/

<http://www.sciencefairadventure.com/>

<http://www.all-science-fair-projects.com/category0.html>

<http://www.sciencebuddies.org/science-fair-projects/search.shtml?v=ia&ia=Energy>

Stage 2 - Do the experiment: you will need to actually do the experiment at home so that you can take photos and write about it in the presentation. Make sure that you tell your parents what you are doing. No explosions or fires please!

Stage 3 - Produce the presentation: this could include

- A poster explaining the experiment – you really need one of these. **It is important to make something that will stand up by itself.** See pictures below
- The experiment itself – if it is suitable
- Leaflets to give people information about the experiment

The information: there are 3 main things you need to explain on the poster:

- **What happened during the experiment?** This should be a combination of text and pictures or photos
- **What this shows.** You need to explain the science that makes this experiment work
- **How this applies to “real life”** – why this is important in everyday life



Examples of science fair posters



Event details:

- Bring in your poster/experiment before the **14.01.15**
- The Science Fair will take place on **Fri 16.01.15** from **16:00 to 18:00**
- Each student will present their experiment on a table, shared with another student
- Students will stand with their experiment to answer the questions of parents.
- There will be judges, and a variety of certificates will be awarded
- Your work will also be marked as part of your final grade

Science Fair Homework – compulsory for grades 5-7

Grading criteria

Grade 1

- The poster clearly explains what has happened in the experiment, what this shows, and how this applies to the wider world
- The poster is detailed, but still readable and understandable
- The poster is presented very well and suited to an adult audience
- Where possible, the experiment is demonstrated or the actual results of the experiment are brought in
- Your answers to questions show that you have a good understanding of the experiment

Grade 3

- The poster explains what has happened in the experiment and what this shows
- All parts are understandable
- The presentation of the poster is acceptable and mostly suited to an adult audience
- Your answers to questions show that you understand what the experiment demonstrates

Grade 5

- The poster explains what has happened in the experiment
- Some of the text is confusing and not easily understandable
- The presentation of the poster is careless and not suited to an adult audience
- Your answers to questions show that you have a limited understanding of what the experiment demonstrates