

One of the most useful things that the students could be doing over the summer for science class is to get some ideas for science projects. Here is a list of useful sites for coming up with ideas, probably the hardest part of the project. Please consider that there are all levels of projects on these pages. Pick a project that interests you and that is appropriate to your level. Also, keep in mind that part of the grade is originality, so pick something in that regard or change it to make it "yours" or use these ideas for spring boards for ideas of your own. Of course, the best is one that you can come up with on your own. Much more information will be given in class about science projects, but the summer is a great time to consider ideas and begin to formulate your plan on how to best design and carry out your experiment.

http://www.sciencebuddies.org/science-fair-projects/project_ideas.shtml

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

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

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

<http://www.sciencefair-projects.org/>

These were some of the first sites listed on a Google search that looked fairly decent. Please, do not limit yourself to just these. Do searches on your own for ideas. Better yet, would be to get an idea of something that interests you that you could make into a project and start researching it. Once, I had a student that could not come up with an idea and when I asked him what he does in his spare time, he told me he played guitar. He made project about the placement of his amplifier and where it produced the best tone; a bit subjective, but he said it was the most fun he had ever had with a project and he loved doing it.

For general guidelines on how to do a science project:

http://www.sciencebuddies.org/science-fair-projects/project_guide_index.shtml

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

On the same topic, I begin all classes with the scientific method. It would be beneficial to be familiar with it. Keep in mind there are many ways it is presented, but all are based on the same ideas:

http://www.sciencebuddies.org/science-fair-projects/project_scientific_method.shtml

http://teacher.nsrj.rochester.edu/phy_labs/appendix/appendix.html

It would also be beneficial to understand the metric system:

<http://www.mathsisfun.com/measure/metric-system.html>