Investigations

What do I need to do to plan and carry out a science investigation?

You should use the following headings:

Aim
- In the Junior School, your teacher will (probably) tell you the purpose or aim of the investigation

Hypothesis
- This should have two parts to it:
    - Predict what will happen in your experiments
    - Explain why you think your prediction is right. (do make this scientific)

Apparatus
- Just write a list of what you need.

Method
- You should list the variables which are important in this investigation
    - the "independent variable" (the one you are testing)
    - the "dependent variable" (the one you are measuring)
    - the "controlled variables" (all the other variables must be kept constant)
- Your instructions should be clear enough for another pupil to do the experiment.
- Remember to include the safety instructions.
- Remember that it must be a fair experiment
- Explain how you are going to make it fair.

Results
- You will probably have a table of results and some charts or graphs to show what happened

Discussion
- Make sure that you write down what the charts and graphs show even if you think it is obvious.
- Say whether your prediction was true or false
- Explain what happened in the experiment.
- Say how accurate your experiment was
- Write down any improvements which you can think of.