**Year 6**

**Change Detectives Task Sheet**

**Student Name:\_\_\_\_\_\_\_\_\_\_\_\_Class:\_\_\_\_\_\_\_\_\_\_\_\_\_**

**What you need to do**

1. Research and design an experiment that shows a physical or chemical change.
2. Show what the material looks like before the change.
3. Show what the material looks like after the change.
4. Demonstrate your experiment to your teacher or class.
5. Write a scientific report about your experiment and what you discovered.

**How to do it**

1. Research an experiment using books from the library and information from the internet.
2. Write out a plan of the experiment using the experiment planning sheet for your teacher to approve.

Due date - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Collect all equipment and materials you will need to conduct your experiment. Your teacher will help you with this.
2. Test out your experiment in class with your teacher so you know what is going to happen.
3. Write a DRAFT scientific report so your teacher can give you feedback.

Due date - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Present your experiment to the class.
2. Write a final copy of your scientific report for the teacher to mark.

Due date - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Tips to help you:**

* Choose a topic that you are interested in or already know a lot about
* Understand why you achieved the result you did. Research it or talk to your teacher
* Make sure you have all the equipment and materials you need for your demonstration
* Make sure your practice your experiment
* Your scientific report has to have –
  + aim
  + hypothesis
  + list of materials and equipment
  + method and procedure
  + results
  + labelled diagram

**Checklist – Have you done the following?**

* Find suitable experiment
* Fill out planning sheet for experiment
* Submit planning sheet to teacher for approval
* Gather resources
* Practice experiment at home and/or at school
* Complete scientific report draft
* Submit report draft to teacher for feedback
* Demonstrate experiment to class
* Submit final scientific report to teacher for marking