



Climbing Higher

Year Group:	Year 7
Term:	Autumn 1
Subject:	Science
Topic:	Science and safety

Name: _____	Form: _____
Subject Teacher: _____	Group (If known): _____
Date given: Monday 3 rd October 2016	Date to hand in: Monday 10 th October 2016

Level achieved in this Home Learning Booklet:	Effort in this Home Learning Booklet:	Achievement Points this Home Learning Booklet:
	1	1 for Effort = 2 Achievement Points
	2	2 for Effort = 1 Achievement Points
	3 4	3 or 4 for Effort = 0 Achievement Points
	1 = Excellent 4 = Needs major improvement	

Teacher feedback: Teachers will tick the appropriate boxes and highlight the appropriate terms when giving feedback on the work completed	
WWW (what went well)	EBI (even better if)
<input type="checkbox"/>	Your spelling is good throughout.
<input type="checkbox"/>	You have used the marking criteria given to help you achieve your target or above.
<input type="checkbox"/>	You have labelled the axis on a graph appropriately.
<input type="checkbox"/>	You have plotted points on a graph correctly.
<input type="checkbox"/>	You have taking care to present your Time line and have not copied.
<input type="checkbox"/>	You have proof read your work and improved its SPaG before handing it in.
<input type="checkbox"/>	Other
Other Feedback:	
Student response:	
Accuracy of punctuation, spelling and grammar	

Famous Scientist Home Learning Booklet Instructions:

You have a variety of different tasks to complete. You should always aim to produce work of the very best quality in both scientific detail and in presentation.

Think carefully about your presentation, handwriting and spellings.

There are certain tasks you MUST complete:

Main Teacher	Task 1	Task 2	Task 3	Task 4
Mr Duxbury	✓	✓	✓	✓
Mrs Howarth	✓	✓	✓	✓
Mr Kent	✓	✓	✓	
Miss Bentham	✓	✓	✓	
Mrs Trivett	✓	✓		

Task 1

LOOK, COVER, WRITE, CHECK

Each day practise spelling these important words. Write the correct spelling in the box for each day.

Key Word	Monday	Tuesday	Wednesday	Thursday	Friday
Bunsen burner					
Goggles					
Tripod					
Conical flask					
Hazard					
Safety					
Chemical					
Splint					
Filter					
Funnel					
Tongs					

Task 2



+Famous Scientists

Your task is to research and produce a timeline showing the life and discoveries made by one Scientist.

Tasks:

- Entry Level 3/ Grade1: Produce a time line to show the main events and accomplishments in their life.
- Grade 2/3: Describe with illustrations 2 major discoveries or ideas they suggested.
- Grade 4: Explain how their discoveries have benefited our lives.

Useful Websites

<http://sciencewithme.com/category/learn-about/famous-scientists/>
<http://www.sciencekids.co.nz/pictures/scientists.html>
<http://www.famousscientists.org/>
http://www.adherents.com/people/100_scientists.html

Remember to also use search engines to find additional information.

This is your opportunity to produce an excellent piece of independent research work. It **MUST** be in your own words!



Good Luck Everyone!!!!!!



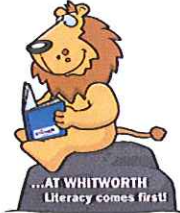
Numeracy Ninja says...

Draw a timeline for the life of a famous scientist

Task 3

Lab Safety - 6 Mark Question

Use the ideas you have learnt in the lesson to answer this question. You will be assessed on the quality of your written communication.



Marking Criteria

Entry Level 3	Identify the most common hazard symbols
Grade 1	Explain what each of the common hazard symbols mean
Grade 2	Describe how to control risk when working with acids
Grade 3	Explain why it is important to have safety rules in the lab.

Question

There are many hazards in a laboratory. Describe the hazard symbols that we use in the lab and explain why we use them and the Lab rules. You can include illustrations of the Hazard symbols.

Task 4

Carry out the numeracy activity for an investigation into the temperature of a compost heap.

The results of the investigation are shown in the table below.

<i>Time (days)</i>	<i>Rise in temperature (°C)</i>
0	0·0
1	0·2
2	2·0
3	4·0
4	5·0
5	5·4
6	5·6
7	5·6

Use the results to complete the line graph by:

- (i) completing the scale on the y axis;
- (ii) adding a label to the y axis;
- (iii) plotting the graph.

