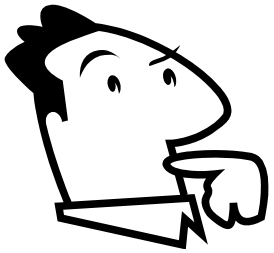

"Science Skills" Progress Check

Name
Date

	Learning Outcomes	✓☺	?😐	✘☹
1	I can develop and state the aim of an experiment.			
2	I can make predictions and hypotheses based on information, observations, and my knowledge.			
3	I can define the independent variable as the variable that is controlled over a set range.			
4	I can define the dependent variable as the variable that is being measured.			
5	I can identify the independent and dependent variables in an investigation.			
6	I can identify variables to control to make sure my experiment is a fair test.			
7	I can identify safety hazards when planning and carrying out practical work			
8	I can plan experiments, using appropriate practical techniques.			
9	I can write a step by step plan for my experiment.			
10	I can draw a labelled sectional diagram of an experiment.			
11	I can carry out practical work safely, and in an organized manner.			
12	I can make accurate measurements and record them in a table with headings and units.			
13	I can state that a control experiment is when only one variable is altered at a time, so that the results can be clearly observed.			
14	I can identify when a control experiment is needed.			
15	I can choose an appropriate method to present my results (bar graph, line graph, table, chart, diagram)			
16	I can draw a bar graph with labels, units, and a uniform scale.			
17	I can draw a line graph with labels, units, a uniform scale, and a best fit line or curve.			
18	I can analyse data to find a relationship between the independent and dependent variable.			
19	I can make links between my findings, aim and hypothesis.			
20	I can draw conclusions based on my results and my aim.			

21	I can explain the science related to my investigation.			
22	I can apply the information I found out in an investigation to a new situation.			
23	I can identify gaps in my investigation, and further research that would be required.			
24	I can consider alternate explanations for my experimental results.			
25	I can evaluate my investigation, and can suggest at least two ways of improving it.			
26	I can evaluate the relevance and reliability of data that I have gathered.			
27	I can communicate scientific information orally and through report writing.			
28	I can select an appropriate method of communication, based on my audience.			
29	I can provide evidence to support my ideas.			
30	I can make links between different topics in science.			
31	I can make links between what I have learned in science and what I have learned in other subjects or outside of school.			
32	I can apply my knowledge of science to new situations.			
33	I can use my knowledge of science to solve problems.			
34	I can apply my knowledge of science and creativity to the process of designing, constructing, testing, and modifying.			
35	I can identify different ways that science has impacted society.			
36	I can debate scientific issues, demonstrating respect for the views of others.			
37	I can discuss the ethical implications of a scientific issue.			
38	I can select relevant information from a source.			
39	I am able to identify reliable sources of scientific communication by considering the reputation of the author and the purpose of communication.			
40	I am able to separate fact from opinion by considering the author's perspective, the purpose of the communication, and the quality of supporting evidence.			

In this topic I have successfully…….

To make further progress I should……..

Target: In the next topic I will……..