

Name: _____

Candidate Number: _____

Outcome 1

Develop a plan to carry out investigative practical work on a chosen chemistry topic.

Performance Criteria

- a) The aims of the investigation are clearly stated.
- b) Appropriate experimental procedures are selected and planned using appropriate apparatus and chemicals.

is assessed by a written or electronic record of the candidate's aim and plan. This record must be the result of the candidate's individual work. The record may be in the form of a paper based daybook or stored electronically.

Candidates should follow good practice and **maintain** this record of work or daybook in which they must **record the aim and plan of the Investigation**. Any modifications in the light of experience should be included. A **risk assessment** of the procedure(s) and of **all the chemicals to be used** should also be included. This record of work may be used as evidence for the achievement of Outcome 1.

Outcome 2

Collect and record experimental results from the investigative practical work.

Performance Criteria

- a) Appropriate techniques and procedures are used effectively to collect experimental results.
- b) Experimental results are recorded in an appropriate format.

requires candidates to carry out procedures effectively. Procedures, equipment and chemicals used should be appropriate to the aim(s) of the investigation. Candidates should be encouraged to carry out control experiments and to carry out each procedure in duplicate.

Candidates should use equipment and chemicals properly, taking account of risk assessments. Experimental results must be recorded and this may be paper based in a day book or in an electronic format. All raw results, measurements and observations should be recorded. Tables should normally include headings and Units as appropriate.

Candidates must maintain this record of their work and experimental results as evidence for achievement of Outcome 2.

Your Day Book should be presented to a high standard. This includes the inclusion of headings and sub-headings, use of a ruler, correct units, appropriate significant figures, accurate labelled diagrams, accurate word equations and balanced chemical equations etc.

<i>Performance Criteria</i>	<i>Evidence</i>	<i>Page of Day Book</i>	<i>Date 'Signed off'</i>	
			<i>Teacher</i>	<i>Verified</i>
1 a) - Aim	Once decided, write your <i>Aim</i> here and give page where Aim can be found			
1 b) - Procedures	<i>Very briefly</i> , list the <i>Procedures</i> you plan to use (and page(s) can be found).			
1 b) - Apparatus	List the <i>main</i> pieces of <i>apparatus</i> you plan to use (and page(s) can be found).			
1 b) - Chemicals	List the <i>main chemicals</i> you plan to use (and page(s) can be found).			
Risk Assessment	Complete a Risk Assessment and have it checked.			
2 a) - Techniques and Procedures used effectively	At appropriate times, your teacher will record instances that have provided evidence that this criteria has been achieved.			
2 a) - Results Recorded in an appropriate format	At appropriate times, your teacher will record instances that have provided evidence that this criteria has been achieved and the relevant pages.			