

# Specification

## For international centres only

### GCE Chemistry

#### Edexcel Advanced Subsidiary GCE in Chemistry (8CH07)

First examination 2009

#### Edexcel Advanced GCE in Chemistry (9CH07)

First examination 2010

#### International Alternative to Internal Assessment

(Units 3B and 6B)

January 2008



# Edexcel GCE in Chemistry (8CH07/9CH07)

## For international centres only

AS	Unit 3B: Chemistry Laboratory Skills I Alternative	*Unit code 6CH07	
	<ul style="list-style-type: none"><li>Externally assessed</li><li>Availability: January and June</li><li>First assessment: January 2009</li></ul>	20% of the total AS marks	10% of the total GCE marks
<b>Content summary:</b> <p>This unit contains a practical written examination that covers the content of Units 1 and 2. There is no specific content for this unit. The practical written examination covers the areas of physical, organic and inorganic chemistry and the following types of practicals:</p> <ul style="list-style-type: none"><li>qualitative observations</li><li>quantitative measurements</li><li>preparations.</li></ul>			
<b>Assessment:</b> <p>Examination of 1 hour 15 minutes.</p>			

A2	Unit 6B: Chemistry Laboratory Skills II Alternative	*Unit code 6CH08	
	<ul style="list-style-type: none"><li>Externally assessed.</li><li>Availability: January and June.</li><li>First assessment: January 2010.</li></ul>	20% of the total A2 marks	10% of the total GCE marks
<b>Content summary:</b> <p>This unit contains a practical written examination that covers the content of Units 4 and 5. There is no specific content for this unit. The practical written examination covers the areas of physical, organic and inorganic chemistry and the following types of practicals:</p> <ul style="list-style-type: none"><li>qualitative observations</li><li>quantitative measurements</li><li>preparations.</li></ul>			
<b>Assessment:</b> <p>Examination of 1 hour 15 minutes.</p>			



### 3.1 Unit description

<b>Introduction</b>	This unit contains a practical written examination that covers the content of Units 1 and 2. There is no specific content for this unit.
<b>Development of practical skills, knowledge and understanding</b>	<p>Students are expected to develop experimental skills, and a knowledge and understanding of the necessary techniques, by carrying out a range of practicals while they study Units 1 and 2.</p> <p>This unit will assess students' knowledge and understanding of practical procedures and techniques that they develop.</p> <p>To prepare them for the assessment of this unit centres should provide opportunities for students to carry out practical activities, collect and analyse data, and draw conclusions.</p> <p>These practical activities should cover a range of different topic areas and require the use of a variety of practical techniques.</p> <p>The practical written examination covers the areas of physical, organic and inorganic chemistry and the following types of practicals:</p> <ul style="list-style-type: none"><li>• qualitative observations</li><li>• quantitative measurements</li><li>• preparations.</li></ul>
<b>How chemists work</b>	<p>The QCA GCE Chemistry subject criteria includes <i>How Science Works</i>. Students should be given the opportunity to develop their practical skills for <i>How Science Works</i> by completing a range of different practicals that require a variety of different techniques.</p> <p>Students' laboratory reports on their practical work should use appropriate scientific, technical and mathematical language, conventions and symbols in order to meet the requirements of <i>How Science Works</i>.</p>

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### 3.2 Assessment information

<b>Unit 3B examination</b>	<p>This unit contains a practical written examination that covers the content of Units 1 and 2.</p> <p>The examination will last 1 hour 15 minutes and will have 50 marks. It will contain one section.</p>
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### 6.1 Unit description

<b>Introduction</b>	This unit contains a practical written examination that covers the content of Units 4 and 5. There is no specific content for this unit.
<b>Development of practical skills, knowledge and understanding</b>	<p>Students are expected to develop experimental skills, and a knowledge and understanding of the necessary techniques, by carrying out a range of practicals while they study Units 4 and 5.</p> <p>This unit will assess students' knowledge and understanding of practical procedures and techniques that they develop.</p> <p>To prepare them for the assessment of this unit centres should provide opportunities for students to carry out practical activities, collect and analyse data, and draw conclusions.</p> <p>These practical activities should cover a range of different topic areas and require the use of a variety of practical techniques.</p> <p>The practical written examination covers the areas of physical, organic and inorganic chemistry and the following types of practicals:</p> <ul style="list-style-type: none"><li>• qualitative observations</li><li>• quantitative measurements</li><li>• preparations.</li></ul>
<b>How chemists work</b>	<p>The QCA GCE Chemistry subject criteria includes <i>How Science Works</i>. Students should be given the opportunity to develop their practical skills for <i>How Science Works</i> by completing a range of different practicals that require a variety of different techniques.</p> <p>Students' laboratory reports on their practical work should use appropriate scientific, technical and mathematical language, conventions and symbols in order to meet the requirements of <i>How Science Works</i>.</p>

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### 6.2 Assessment information

<b>Unit 6B examination</b>	<p>This unit contains a practical written examination that covers the content of Units 4 and 5.</p> <p>The examination will last 1 hour 15 minutes and will have 50 marks. It will contain one section.</p>
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#### Acknowledgements

This specification has been produced by Edexcel on the basis of consultation with teachers, examiners, consultants and other interested parties. Edexcel acknowledges its indebtedness to all those who contributed their time and expertise to the development of Advanced Subsidiary/Advanced GCE specifications.

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