

Specification title:	AQA GCSE Science A
Aims/approaches adopted:	<ul style="list-style-type: none"> • encourages students to develop a critical approach to scientific evidence • explores the implications of science for society • is suitable as a basis for further study of science • aims to develop the scientific literacy needed by every citizen • has the same content as AQA GCSE Science B, but a different assessment model
Brief outline of the content of the teaching units:	<ul style="list-style-type: none"> • there are 7 teaching units entitled <ul style="list-style-type: none"> ○ 'how science works' ○ human biology ○ evolution and environment ○ products from rocks ○ oils, Earth and atmosphere ○ energy and electricity ○ radiation and the universe • teaching and learning of 'how science works' to be integrated into teaching and learning of science content • activities in each section facilitate this integration
Brief outline of the scheme of assessment:	<ul style="list-style-type: none"> • there are 7 assessment units • assessment of 'how science works' integrated into all units • 6 of the units are equal sized and are Objective Tests <ul style="list-style-type: none"> ○ available in Nov, March and June ○ option of on-screen delivery being developed • the other unit is centre-assessed (25%) <ul style="list-style-type: none"> ○ comprises a holistic practical skills assessment (6 marks) and an investigative skills assignment (ISA) (34 marks) ○ minimum requirement is one ISA
Progression to which level 3 courses?	<ul style="list-style-type: none"> • AS Science for Public Understanding
Resources/training available to support this course	<ul style="list-style-type: none"> • further information about the new AQA GCSE Sciences suite is available at http://www.aqa.org.uk/qual/gcse/new_science.html <ul style="list-style-type: none"> ○ the full text of the specifications can be downloaded • the programme of free AQA Teacher Support meetings can be found at www.aqa.org.uk/support.index.html <ul style="list-style-type: none"> ○ the programme includes full-day Launch Meetings in Nov/Dec 2005 • a free AQA 'Teacher's Guide' is planned for publication in Spring 2006 <ul style="list-style-type: none"> ○ to cover delivery of 'How Science Works' and the centre assessed unit • AQA and Nelson Thornes are working in partnership to produce resources to support the AQA GCSE Science suite <ul style="list-style-type: none"> ○ the Nelson Thornes resources will include student books, teacher books with ideas for delivery, electronic resources to support teaching and online services for INSET

Specification title:	AQA GCSE Science B
Aims/approaches adopted:	<ul style="list-style-type: none"> • encourages students to develop a critical approach to scientific evidence • explores the implications of science for society • is suitable as a basis for further study of science • aims to develop the scientific literacy needed by every citizen • has the same content as AQA GCSE Science A, but a different assessment model
Brief outline of the content of the teaching units:	<ul style="list-style-type: none"> • there are 4 teaching units entitled <ul style="list-style-type: none"> ○ 'how science works' ○ Biology 1 ○ Chemistry 1 ○ Physics 1 • teaching and learning of 'how science works' to be integrated into teaching and learning of science content • activities in each section facilitate this integration
Brief outline of the scheme of assessment:	<ul style="list-style-type: none"> • there are 4 assessment units • assessment of 'how science works' integrated into all units • 3 of the units are written papers with structured questions <ul style="list-style-type: none"> ○ available in January and June • the other unit is centre-assessed (25%) <ul style="list-style-type: none"> ○ comprises a holistic practical skills assessment (6 marks) and an investigative skills assignment (ISA) (34 marks) ○ minimum requirement is one ISA
Progression to which level 3 courses?	<ul style="list-style-type: none"> • AS Science for Public Understanding
Resources/training available to support this course	<ul style="list-style-type: none"> • further information about the new AQA GCSE Sciences suite is available at http://www.aqa.org.uk/qual/gcse/new_science.html <ul style="list-style-type: none"> ○ the full text of the specifications can be downloaded • the programme of free AQA Teacher Support meetings can be found at www.aqa.org.uk/support.index.html <ul style="list-style-type: none"> ○ the programme includes full-day Launch Meetings in Nov/Dec 2005 • a free AQA 'Teacher's Guide' is planned for publication in Spring 2006 <ul style="list-style-type: none"> ○ to cover delivery of 'How Science Works' and the centre assessed unit • AQA and Nelson Thornes are working in partnership to produce resources to support the AQA GCSE Science suite <ul style="list-style-type: none"> ○ the Nelson Thornes resources will include student books, teacher books with ideas for delivery, electronic resources to support teaching and online services for INSET

Specification title:	AQA GCSE Additional Science
Aims/approaches adopted:	<ul style="list-style-type: none"> • encourages students to explore explaining, theorising and modelling in science • also encourages students to develop a critical approach to scientific evidence • is suitable as a basis for further study of science • is, if taken after or concurrently with AQA GCSE Science A or B, the nearest equivalent to GCSE Science (Double Award)
Brief outline of the content of the teaching units:	<ul style="list-style-type: none"> • there are 4 teaching units entitled <ul style="list-style-type: none"> ○ 'how science works' ○ biology 2 ○ chemistry 2 ○ physics 2 • teaching and learning of 'how science works' to be integrated into teaching and learning of science content • activities in each section facilitate this integration
Brief outline of the scheme of assessment:	<ul style="list-style-type: none"> • there are 4 assessment units • assessment of 'how science works' integrated into all units • 3 of the units are written papers with structured questions <ul style="list-style-type: none"> ○ available in January and June • the other unit is centre-assessed (25%) <ul style="list-style-type: none"> ○ comprises a holistic practical skills assessment (6 marks) and an investigative skills assignment (ISA) (34 marks) ○ minimum requirement is one ISA
Progression to which level 3 courses?	<ul style="list-style-type: none"> • AS/A Level Biology, Chemistry and/or Physics • AS/A Level Environmental Science • AS Science for Public Understanding
Resources/training available to support this course	<ul style="list-style-type: none"> • further information about the new AQA GCSE Sciences suite is available at http://www.aqa.org.uk/qual/gcse/new_science.htm <ul style="list-style-type: none"> ○ the full text of the specifications can be downloaded • the programme of free AQA Teacher Support meetings can be found at www.aqa.org.uk/support.index.html <ul style="list-style-type: none"> ○ the programme includes full-day Launch Meetings in Nov/Dec 2005 • a free AQA 'Teacher's Guide' is planned for publication in Spring 2006 <ul style="list-style-type: none"> ○ to cover delivery of 'How Science Works' and the centre assessed unit • AQA and Nelson Thornes are working in partnership to produce resources to support the AQA GCSE Science suite <ul style="list-style-type: none"> ○ the Nelson Thornes resources will include student books, teacher books with ideas for delivery, electronic resources to support teaching and online services for INSET

Specification title:	AQA GCSE Additional Applied Science
Aims/approaches adopted:	<ul style="list-style-type: none"> • encourages students to develop procedural and technical knowledge of science practice • emphasises a vocational approach to science teaching and learning • applies science in three occupational areas: food science, forensic science and sports science • is suitable as a basis for further study of science • is an alternative to AQA GCSE Additional Science, and could be taught after or concurrently with either AQA GCSE Science A or B.
Brief outline of the content of the teaching units:	<ul style="list-style-type: none"> • there are 3 teaching units entitled <ul style="list-style-type: none"> ○ 'science in the workplace' in which students use research skills to investigate how science is used and safe working in science ○ 'science at work' in which students learn some of the science and some of the practical techniques used in the three occupational areas listed above ○ 'using scientific skills' in which students carry out investigations using their knowledge of and skills in the three areas
Brief outline of the scheme of assessment:	<ul style="list-style-type: none"> • there are 3 assessment units • each unit assesses one of the teaching units above • units 1 and 3 are portfolio units, while unit 2 is written paper • the units are available in January and June
Progression to which level 3 courses?	<ul style="list-style-type: none"> • AQA GCE Applied Science • AQA AS Science for Public Understanding
Resources/training available to support this course	<ul style="list-style-type: none"> • further information about the new AQA GCSE Sciences suite is available at http://www.aqa.org.uk/qual/gcse/new_science.html <ul style="list-style-type: none"> ○ the full text of the specifications can be downloaded • the programme of free AQA Teacher Support meetings can be found at www.aqa.org.uk/support.index.html <ul style="list-style-type: none"> ○ the programme includes full-day Launch Meetings in Nov/Dec 2005 • a free AQA 'Teacher's Guide' is planned for publication in Spring 2006 • AQA and Nelson Thornes are working in partnership to produce resources to support the AQA GCSE Science suite <ul style="list-style-type: none"> ○ the Nelson Thornes resources will include student books, teacher books with ideas for delivery, electronic resources to support teaching and online services for INSET

Specification title:	AQA GCSE Biology
Aims/approaches adopted:	<ul style="list-style-type: none"> • encourages students to explore explaining, theorising and modelling in science • also encourages students to develop a critical approach to scientific evidence • is suitable as a basis for further study of science
Brief outline of the content of the teaching units:	<ul style="list-style-type: none"> • there are 4 teaching units entitled <ul style="list-style-type: none"> ○ 'how science works' ○ biology 1 ○ biology 2 ○ biology 3 • teaching and learning of 'how science works' to be integrated into teaching and learning of science content • activities in each section facilitate this integration
Brief outline of the scheme of assessment:	<ul style="list-style-type: none"> • there are 4 assessment units • assessment of 'how science works' integrated into all units • 3 of the units are written papers with structured questions <ul style="list-style-type: none"> ○ available in January and June • the other unit is centre-assessed (25%) <ul style="list-style-type: none"> ○ comprises a holistic practical skills assessment (6 marks) and an investigative skills assignment (ISA) (34 marks) ○ minimum requirement is one ISA • as an alternative to the written paper on biology 1, students may take the 2 objective tests on biology 1
Progression to which level 3 courses?	<ul style="list-style-type: none"> • AS/A Level Biology • AS Science for Public Understanding
Resources/training available to support this course	<ul style="list-style-type: none"> • further information about the new AQA GCSE Sciences suite is available at http://www.aqa.org.uk/qual/gcse/new_science.html <ul style="list-style-type: none"> ○ the full text of the specifications can be downloaded • the programme of free AQA Teacher Support meetings can be found at www.aqa.org.uk/support.index.html <ul style="list-style-type: none"> ○ the programme includes full-day Launch Meetings in Nov/Dec 2005 • a free AQA 'Teacher's Guide' is planned for publication in Spring 2006 <ul style="list-style-type: none"> ○ to cover delivery of 'How Science Works' and the centre assessed unit • AQA and Nelson Thornes are working in partnership to produce resources to support the AQA GCSE Science suite <ul style="list-style-type: none"> ○ the Nelson Thornes resources will include student books, teacher books with ideas for delivery, electronic resources to support teaching and online services for INSET

Specification title:	AQA GCSE Chemistry
Aims/approaches adopted:	<ul style="list-style-type: none"> • encourages students to explore explaining, theorising and modelling in science • also encourages students to develop a critical approach to scientific evidence • is suitable as a basis for further study of science
Brief outline of the content of the teaching units:	<ul style="list-style-type: none"> • there are 4 teaching units entitled <ul style="list-style-type: none"> ○ 'how science works' ○ chemistry 1 ○ chemistry 2 ○ chemistry 3 • teaching and learning of 'how science works' to be integrated into teaching and learning of science content • activities in each section facilitate this integration
Brief outline of the scheme of assessment:	<ul style="list-style-type: none"> • there are 4 assessment units • assessment of 'how science works' integrated into all units • 3 of the units are written papers with structured questions • available in January and June • the other unit is centre-assessed (25%) <ul style="list-style-type: none"> ○ comprises a holistic practical skills assessment (6 marks) and an investigative skills assignment (ISA) (34 marks) ○ minimum requirement is one ISA • as an alternative to the written paper on chemistry 1, students may take the 2 objective tests on chemistry 1
Progression to which level 3 courses?	<ul style="list-style-type: none"> • AS/A Level Chemistry • AS Science for Public Understanding
Resources/training available to support this course	<ul style="list-style-type: none"> • further information about the new AQA GCSE Sciences suite is available at http://www.aqa.org.uk/qual/gcse/new_science.html <ul style="list-style-type: none"> ○ the full text of the specifications can be downloaded • the programme of free AQA Teacher Support meetings can be found at www.aqa.org.uk/support.index.html <ul style="list-style-type: none"> ○ the programme includes full-day Launch Meetings in Nov/Dec 2005 • a free AQA 'Teacher's Guide' is planned for publication in Spring 2006 <ul style="list-style-type: none"> ○ to cover delivery of 'How Science Works' and the centre assessed unit • AQA and Nelson Thornes are working in partnership to produce resources to support the AQA GCSE Science suite <ul style="list-style-type: none"> ○ the Nelson Thornes resources will include student books, teacher books with ideas for delivery, electronic resources to support teaching and online services for INSET

Specification title:	AQA GCSE Physics
Aims/approaches adopted:	<ul style="list-style-type: none"> • encourages students to explore explaining, theorising and modelling in science • also encourages students to develop a critical approach to scientific evidence • is suitable as a basis for further study of science
Brief outline of the content of the teaching units:	<ul style="list-style-type: none"> • there are 4 teaching units entitled <ul style="list-style-type: none"> ○ 'how science works' ○ physics 1 ○ physics 2 ○ physics 3 • teaching and learning of 'how science works' to be integrated into teaching and learning of science content • activities in each section facilitate this integration
Brief outline of the scheme of assessment:	<ul style="list-style-type: none"> • there are 4 assessment units • assessment of 'how science works' integrated into all units • 3 of the units are written papers with structured questions <ul style="list-style-type: none"> ○ available in January and June • the other unit is centre-assessed (25%) <ul style="list-style-type: none"> ○ comprises a holistic practical skills assessment (6 marks) and an investigative skills assignment (ISA) (34 marks) ○ minimum requirement is one ISA • as an alternative to the written paper on physics 1, students may take the 2 objective tests on physics 1
Progression to which level 3 courses?	<ul style="list-style-type: none"> • AS/A Level Physics • AS Science for Public Understanding
Resources/training available to support this course	<ul style="list-style-type: none"> • further information about the new AQA GCSE Sciences suite is available at http://www.aqa.org.uk/qual/gcse/new_science.html <ul style="list-style-type: none"> ○ the full text of the specifications can be downloaded • the programme of free AQA Teacher Support meetings can be found at www.aqa.org.uk/support.index.html <ul style="list-style-type: none"> ○ the programme includes full-day Launch Meetings in Nov/Dec 2005 • a free AQA 'Teacher's Guide' is planned for publication in Spring 2006 <ul style="list-style-type: none"> ○ to cover delivery of 'How Science Works' and the centre assessed unit • AQA and Nelson Thornes are working in partnership to produce resources to support the AQA GCSE Science suite <ul style="list-style-type: none"> ○ the Nelson Thornes resources will include student books, teacher books with ideas for delivery, electronic resources to support teaching and online services for INSET

Specification title:	AQA GCSE Applied Science (Double Award)
Aims/approaches adopted:	<ul style="list-style-type: none"> • encourages students to develop procedural and technical knowledge of science practice • emphasises a vocational approach to science teaching and learning • covers the KS4 PoS (unlike the predecessor specification) • covers how science is used in the following four areas: health and medicine, countryside and environmental management, transport and communication, and the home environment. • is suitable as a basis for further study of science
Brief outline of the content of the teaching units:	<ul style="list-style-type: none"> • there are 4 teaching units entitled <ul style="list-style-type: none"> ○ 'science in the workplace' in which students use research skills to investigate how science is used and safe working in science ○ 'science for the needs of society' in which students learn some of the science relevant to the four areas listed above, and how it is used ○ 'developing scientific skills' in which students learn a range of practical techniques ○ 'using scientific skills for the benefit of society' in which students carry out investigations which use their practical skills and require them to use their knowledge to report on the relevance of their work to society
Brief outline of the scheme of assessment:	<ul style="list-style-type: none"> • there are 4 assessment units • each unit assesses one of the teaching units above • units 1, 3 and 4 are portfolio units, while unit 2 is written paper • the units are available in January and June
Progression to which level 3 courses?	<ul style="list-style-type: none"> • AQA GCE Applied Science • AQA AS Science for Public Understanding
Resources/training available to support this course	<ul style="list-style-type: none"> • further information about the new AQA GCSE Sciences suite is available at http://www.aqa.org.uk/qual/gcse/new_science.html <ul style="list-style-type: none"> ○ the full text of the specifications can be downloaded • the programme of free AQA Teacher Support meetings can be found at www.aqa.org.uk/support.index.html <ul style="list-style-type: none"> ○ the programme includes full-day Launch Meetings in Nov/Dec 2005 • a free AQA 'Teacher's Guide' is planned for publication in Spring 2006 • AQA and Nelson Thornes are working in partnership to produce resources to support the AQA GCSE Science suite <ul style="list-style-type: none"> ○ the Nelson Thornes resources will include student books, teacher books with ideas for delivery, electronic resources to support teaching and online services for INSET