



New A Level Computing

H047 and H447 replacing 3820 and 7820

Information for OCR centres transferring to **new specifications for first teaching in September 2008**

This document maps the current A Level Computing specification to the new specification for first teaching in September 2008. It includes information on the changes, support available and an outline of the new specification. It is intended to help ease the transition for Heads of Department and Teachers involved in the teaching of Computing.

The full specification is available online along with a short questionnaire enabling you to share your comments on the specification and help shape the materials developed to support it. For more information including answers to frequently asked questions visit **www.ocr.org.uk/14-19alevels**

Current specification – mapping the changespages 2-3Outline specification for first teaching September 2008page 4

QCA have stipulated that:

- Number of units required to achieve GCE A Level Computing is to be reduced from six to four
- Coursework is set at 20%
- Stretch and Challenge style questions to be introduced into A2 assessment





Mapping the changes to the A Level Computing specification for first teaching September 2008 H047 and H447 replacing 3820 and 7820



	Existing specification		Candidates must complete six units			_
	Current unit title	Unit code	What remains the same?	What is changing?	Why is it changing?	Guidance
AS	Introductory Computer Systems, Communications and Software	2506 Mandatory 30% (AS) 15% (A Level) 1hr 30mins exam	 All of this unit has been retained, however this now forms part of two new units - elements can now be found in the new unit 1, Computer Fundamentals, and the new unit 2 – Programming Techniques and Logical Methods. Now included in Computer Fundamentals: Components of a computer system. hardware. software. data (presentation, structure and management). Now included in Programming Techniques and Logical Methods: solutions to problems. procedural programs. data types/structures. procedural languages. 	 This unit now forms part of the new Unit 1 and Unit 2. No change to the style of questions or paper. New unit code F451 & F452. 	QCA has stipulated that the number of units needs to be reduced from six to four.	• The new specification will have detailed Specimen Assessment Materials on the examinable units.
AS	Structured Practical Computing Tasks	2507 Mandatory 40% (AS) 20% (A Level) Coursework		ursework for this specification has been limited to 20% by ernally examined may be found in Unit F452.	QCA. OCR has decided to retain the cours	sework at A2.
AS	Computer Systems Development & Practical Applications	2508 Mandatory 30% (AS) 15% (A Level) 1hr 30mins exam	 Elements of this unit have been retained and is now part of the new unit 1- Computer Fundamentals. Staying the same: Systems development life cycle. Characteristics of information systems. Implications of computer use. 	 Sections within this unit have been removed including, Handling of data and designing the user interface. New unit code F451 & F452. 	• Changes have been made to ensure the focus of the unit is more computer-based rather than ICT based, creating two distinct qualifications.	• The new specification will have detailed Specimen Assessment Materials on the examinable units.



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	Existing specification					
	Current unit title	Unit code	What remains the same?	What is changing?	Why is it changing?	Guidance
A2	Systems Software Mechanisms, Machine Architecture, Database Theory and Programming Paradigms	2509 Mandatory 15% (A Level) 1hr 30mins exam	• All of this unit has been retained – this is now the new unit 3, Advanced Computing Theory.	 This unit has not been changed as customer feedback has shown that this unit is popular with candidates. New unit code F453. 	 Changes have been made to ensure the focus of the unit is more computer-based rather than ICT based, creating two distinct qualifications. Stretch and challenge style questions are covered in this unit. 	• The new specification will have detailed Specimen Assessment Materials on the examinable units.
A2	Computing Project	2510 Mandatory 20% (A Level) Coursework	• All of this unit has been retained - this now forms the new coursework unit, Computing Project.	 This coursework unit have been retained as centre feedback suggested it was popular with students. New unit code F454. 		• There will be detailed information available on the guidelines for Coursework.
A2	Integrated Information Systems	2511 Mandatory 15% (A Level) 1hr 30mins exam	 In the current specification, this was the New unit code F453. 	ne synoptic unit covering all the learning and skills gained	through the other examinable units. This	is now replaced with the new unit 3.



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Candidates must complete four units





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