

Liverpool John Moores University

Title: IT AT KS4
Status: Definitive
Code: **6010PGIT** (104095)
Version Start Date: 01-08-2016

Owning School/Faculty: Education
Teaching School/Faculty: Education

Team	Leader
Richard Vickery	Y

Academic Level: FHEQ6
Credit Value: 24
Total Delivered Hours: 53
Total Learning Hours: 240
Private Study: 187

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	25
Online	8
Workshop	15

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1		50	2
Exam	AS2		30	3
Essay	AS3	(1200 words equivalent)	20	

Aims

This module will enable students to develop a knowledge of skills and an understanding of the demands on a teacher of GCSE and Applied GCSE with an awareness of the range of other ICT assessable schemes and their differing requirements.

Learning Outcomes

After completing the module the student should be able to:

- 1 Understand, apply and critically analyse the assessment requirements of practical work for GCSE and other level 2 ICT examination schemes and their relationship to theoretical content
- 2 Demonstrate an ability to cope securely with classroom based subject knowledge at KS4.
- 3 Compare and critically analyse the range of available assessment schemes for ICT at KS4

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

EXAM	2
EXAM	1
CW	3

Outline Syllabus

KS4 syllabus and assessment requirements
Effects of IT on society
Board Set Assignment pupil and mark scheme requirements
IT concepts
Systems Analysis and Design
Hardware: input, output, storage, capture
Communications and Networking
Data Handling: processing, presenting
Pupil Project work requirements and mark schemes
Modelling and Simulations
Measurement and Control
Typical computer applications
Typical KS4 and AS level questions

Learning Activities

This module will be taught through a mixture of formally taught lectures, workshops and student led workshops.

Notes

The ability to deliver and ensure interest and maximise achievement at KS4 is a

critical skill for any teacher of IT/ICT. This module provides the structures for development and enables the growth of this key aspect of the teaching role. The examination is a critical test of the student's ability to cope with pupil questioning in the classroom and failure in this module will restrict progress on the rest of the programme.