

## Liverpool John Moores University

Title: COMPUTING IN EDUCATION  
Status: Definitive  
Code: **6037COMP** (103141)  
Version Start Date: 01-08-2019

Owning School/Faculty: Computer Science  
Teaching School/Faculty: Computer Science

Team	Leader
Michael Mackay	Y

**Academic Level:** FHEQ6  
**Credit Value:** 12  
**Total Delivered Hours:** 48  
**Total Learning Hours:** 120  
**Private Study:** 72

### Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Off Site	36
Tutorial	12

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Presentation	AS1	Presentation on a subject related to their placement.	30	
Report	AS2	Reflective Report on their experience.	70	

### Aims

*This Module provides an opportunity for students to gain experience of teaching computing through a mentoring scheme with I.T teachers in local schools and further education colleges.*

*It is designed to help final year undergraduate students gain confidence in communicating their subject and develop strong interpersonal skills.*

*It will enable students to learn how to address the needs of individuals, and devise and develop computing teaching materials appropriate to engage the relevant age group they are working with.*

*This Module aims to allow the student to act as an enthusiastic role model for pupils interested in computing and to offer the student a positive experience of working with pupils and teachers.*

## **Learning Outcomes**

After completing the module the student should be able to:

- 1 Critically evaluate on teaching methods, classroom management and lesson preparation skills developed during their placement.
- 2 Present computing learning material for a specific context.
- 3 Reflect on their classroom experiences.

## **Learning Outcomes of Assessments**

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

Placement presentation	2	
Reflective report	1	3

## **Outline Syllabus**

*Classroom observation, assistance and teaching: Initial contact with the teacher and pupils will be as a classroom assistant followed by specific teaching tasks. The student will devise appropriate material based on the requirements of the placement.*

## **Learning Activities**

There are no formal lectures associated with this course. A competitive interview system will be used to match students with appropriate schools and a specific teacher in the local area. This teacher will then act as a mentor to the student during the course.

Each student will work with a class for half a day every week for a period of about 10 weeks. Places will be limited in number, and students will be selected for their commitment and suitability for working in schools. Students will be given a range of responsibilities from classroom assistance to self-oriented special projects.

The course content will be as follows:

Classroom observation and assistance

Initial contact with the teacher and pupils will be as a classroom assistant, observing

how the teacher handles the class, the level of the computing taught and the structure of the lesson, and offering practical support to the teacher in lesson preparation or administrative work.

**Teaching assistance:**

The teacher will assign the students actual teaching tasks, which will be dependent on specific needs. This could include teaching a smaller group of pupils or taking the last ten minutes of the lesson for the whole class.

**Project work:**

Following consultation with the teacher as to what would be appropriate, students will devise a special project that will of interest or be of use to the particular pupils they are working with, be it as part of an IT club or part of the day-to-day teaching of IT. Students will have to show that they can analyse a specific teaching problem and devise and prepare appropriately targeted teaching materials.

**Notes**

This module allows the student to gain experience of working in a professional educational environment, during which time he/she will learn about the key issues affecting school education today. Selection of this module is subject to securing a suitable placement and the satisfactory completion of a CRB check.