

Liverpool John Moores University

Title: STEM in Education
Status: Definitive
Code: **6127ENG** (117176)
Version Start Date: 01-08-2011

Owning School/Faculty: Engineering
Teaching School/Faculty: Engineering

Team	Leader
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Academic Level: FHEQ6 **Credit Value:** 24.00 **Total Delivered Hours:** 120.00
Total Learning Hours: 240 **Private Study:** 120

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Off Site	120.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Reflection	Pres		20.0	
Report	Rpt		60.0	
Report	Rpt		20.0	

Aims

To give students who are interested in teaching as a career an introduction to the school and classroom environment. The placement will allow students to gain an insight into teaching under 16s and the school curriculum.

Learning Outcomes

After completing the module the student should be able to:

- LO1 Identify with the needs of school children.
- LO2 Gain knowledge of standard teaching methods.
- LO3 Formulate lesson plans and teaching materials
- LO4 Recognize staff responsibilities and conduct in a school environment.
- LO5 Differentiate between students and identify potentially disruptive situations.
- LO6 Demonstrate good public speaking and communication skills.

Learning Outcomes of Assessments

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

Weekly log	LO 1	LO 2
Written report plus presentati	LO 3	LO 4
Teacher assessment	LO 5	LO 6

Outline Syllabus

Training and basic skills: The student will be given an initial introduction to relevant elements of the National Curriculum and its associated terminology.

Classroom observation, assistance and teaching: Initial contact with the teacher and pupils will be as a classroom assistant followed by specific teaching tasks.

Special project: The student will devise a special project based on their assessment of the needs of the pupils

Learning Activities

There are no formal lectures associated with this course. An initial day of training will provide the student with an introduction to working with children and the level of engineering teaching they will be participating in. 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 and assessor to the student during the course. The teacher will offer guidance to the student during their weekly interaction, and through feedback and liaison with the University tutor will individually determine the level of responsibility and pupil interaction to be expected of the student

References

Course Material	Book
Author	Teaching Today

Publishing Year	2009
Title	Teaching Today – A Practical Guide
Subtitle	
Edition	4th
Publisher	Nelson Thornes
ISBN	

Course Material	Website
Author	National Curriculum
Publishing Year	2010
Title	Secondary Curriculum: Key Stage 3 & Key Stage 4
Subtitle	
Edition	
Publisher	http://curriculum.qcda.gov.uk/key-stages-3-and-4/index.aspx
ISBN	

Course Material	Book
Author	Department for Education
Publishing Year	2008
Title	National Curriculum Syllabus
Subtitle	
Edition	
Publisher	
ISBN	

Course Material	Book
Author	Undergraduate Ambassador Scheme
Publishing Year	2008
Title	Recruitment, Training and Placement of Undergraduates
Subtitle	
Edition	
Publisher	
ISBN	

Course Material	Book
Author	Advised by teacher
Publishing Year	2008
Title	Material Specific to Individual Subjects
Subtitle	
Edition	
Publisher	
ISBN	

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