

Liverpool John Moores University

Title: DEVELOPING CORE SCIENCE
Status: Definitive
Code: **5021PS** (104336)
Version Start Date: 01-08-2016

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

Team	Leader
Sean Doyle	Y

Academic Level: FHEQ5
Credit Value: 12
Total Delivered Hours: 25
Total Learning Hours: 120
Private Study: 95

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	11
Off Site	6
Practical	4
Tutorial	1
Workshop	2

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	(2000 words equivalent)	70	
Exam	AS2	Exam	30	1

Aims

To identify and supplement the student's knowledge of key science concepts relating to 'materials and their properties'

To understand and apply the theoretical underpinnings of effective assessment.

To ensure students can systematically risk assess science lessons and plan for the

effective use of other adults.

To enable students to recognise and the use effective ICT strategies to support learning of science in the primary classroom.

Learning Outcomes

After completing the module the student should be able to:

- 1 Analyse and evaluate the planning necessary to support a range of assessment strategies and the appropriate safe use of available resources
- 2 Demonstrate a command of the key principles, theoretical and practical, relating to materials and their properties.

Learning Outcomes of Assessments

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

ESSAY	1	2
EXAM	1	2

Outline Syllabus

Theoretical and practical activities relating to: solids, liquids and gases, reversible and irreversible reactions, Separating materials, change of state, solubility

Creativity and thinking skills

Out of class learning-catalyst museum

Using science clubs

Risk Assessment

Data logging

Identifying and making use of IT resources

Base line assessment

Assessment for learning (including giving feedback)

Assessment of learning (including levelling of work)

Using assessment to identify misconceptions

Planning for other adults

Learning Activities

ICT including Teacher's TV, Manipulating video clips, data logging,

Lectures

Work-based learning- in schools

Out of class learning-Field work

Group work/discussions/workshop

Self-study/reading/audit

Practical work/investigations

Practical demonstrations

Notes

This module continues to build the skills and knowledge of teaching children science in the primary school. Using a theme of materials and their properties, effective assessment for learning and of learning is explored. There is a particular emphasis on ensuring safety in the classroom and the importance of planning for other adults in the classroom