

Liverpool John Moores University

Title: INTRODUCTION TO PRIMARY CORE SCIENCE
Status: Definitive
Code: **4020PRIM** (104333)
Version Start Date: 01-08-2016

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

Team	Leader
Deborah Pope	Y

Academic Level: FHEQ4 **Credit Value:** 24 **Total Delivered Hours:** 43
Total Learning Hours: 240 **Private Study:** 197

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	22
Off Site	8
Tutorial	4
Workshop	8

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	Essay 2000 words	30	
Report	AS2	Report 3000 words	40	
Exam	AS3	Exam	30	1

Aims

To establish an understanding of how children learn science from an early age. To develop skills of science lesson planning and safe, effective classroom organisation, alongside the development of students' knowledge and understanding of Physical Processes and related pedagogy.

Learning Outcomes

After completing the module the student should be able to:

- 1 Articulate an informed view of the reasons for teaching science in the primary school and Early Years with particular reference to the theoretical concept of constructivism.
- 2 Demonstrate a knowledge and understanding of the key principles relating to Physical Processes.
- 3 Select appropriate resources and plan to use them safely in the design of schemes and lessons for classroom use.

Learning Outcomes of Assessments

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

CW	1		
CW	2	3	
EXAM	1	2	3

Outline Syllabus

Science in the Early Years

Constructivism

Misconceptions

Using QCA Schemes of work

Short term (lesson)planning

Resources and Organisation

Managing scientific enquiry through independent work, group work and whole class approaches

Learning Activities

Lectures

Work-based learning - in schools

Group work / discussions / workshop

Self-study / reading / audit

Practical work / investigations

Practical demonstrations

Notes

This module aims to establish an understanding of how children learn science from

an early age. It introduces the teaching of science in the primary school through a theme of 'physical processes' and seeks to build the skills of lesson planning and safe, effective classroom organisation.