

Liverpool John Moores University

Title: Pedagogy in Primary Science
Status: Definitive
Code: **7116PSC** (124681)
Version Start Date: 01-08-2019

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

Team	Leader
Avril Rowley	Y

Academic Level: FHEQ7
Credit Value: 20
Total Delivered Hours: 62
Total Learning Hours: 200
Private Study: 138

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	20
Off Site	6
Online	10
Seminar	5
Tutorial	1
Workshop	20

Grading Basis: 50 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	Essay (AS1) subject knowledge portfolio 4000 words equivalent	100	1

Aims

To enable students to have a critical understanding of science in the primary curriculum.

To enable students to critically analyse and evaluate how science is taught in the

primary school.

To enable students to investigate the development of learners' understanding and barriers to learning in science in the primary school.

To enable students to critically evaluate strategies which promote learning in science in the primary school.

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate systematic knowledge and understanding of fundamental concepts in teaching science as they relate to the primary curriculum.
- 2 Critically analyse learners' conceptual understanding of science in the primary school.
- 3 Interrogate research literature to provide a critique of pedagogy in primary science.
- 4 Articulate complex ideas using appropriate language and style.

Learning Outcomes of Assessments

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

Essay 4000 words	1	2	3	4
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Outline Syllabus

The National Curriculum and frameworks and initiatives relating to primary science.

Approaches to pedagogy in primary science.

Current research and policies on learning, teaching and assessment applicable to primary science.

Strategies/activities to use ICT to enhance teaching and learning in primary science

Effective learning within primary science.

Issues in development of learning in primary learners with reference to primary science.

Strategies for investigating research literature.

Carrying out small-scale investigation into learning.

Learning Activities

Key theoretical/policy perspectives, along with an overview of learner development and individual needs will be addressed in lectures.

Seminars and workshops/practical activities will provide opportunities to evaluate learning, teaching and assessment activities within primary science.

A series of school based tasks will enable students to observe, practice, evaluate and reflect upon different approaches and strategies for teaching and primary science.

Group tutorial support will be provided to enable students to develop their critical, analytical and evaluative skills in relation to their own approaches to learning,

teaching and assessment within primary science.
Online activities will support and enhance student learning and engagement.

Notes

The module uses a critical research-focused perspective to develop understanding of learning and teaching science in the primary phase. This module will enable students to practice and critically analyse and evaluate different strategies and approaches to learning, teaching and assessment in primary science through a series of portfolio tasks related to theoretical input.