

Liverpool John Moores University

Title: Advanced Primary Mathematics
Status: Definitive
Code: **6214PRIM** (122823)
Version Start Date: 01-08-2021

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

Team	Leader
Sarah Hindhaugh	Y

Academic Level: FHEQ6
Credit Value: 20
Total Delivered Hours: 40
Total Learning Hours: 200
Private Study: 160

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	40

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	AS1	Portfolio - 4500 words	100	

Aims

To refine students' knowledge and understanding of key mathematical concepts and pedagogy associated with teaching the subject across the primary age range.

To extend students' understanding of key issues in primary mathematics education and allow them to critically evaluate current research in this area to inform their own practice.

To be able to analyse and interpret local and national data to support mathematical learning.

Learning Outcomes

After completing the module the student should be able to:

- 1 Critically evaluate the extent to which research in mathematics education informs practice in the primary classroom.
- 2 Critically reflect upon what constitutes effective strategies for the learning and teaching of mathematics.
- 3 Critically analyse and evaluate national and local data to support learning, teaching and assessment in mathematics across the primary age and ability range.

Learning Outcomes of Assessments

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

Portfolio - 4500 words 1 2 3

Outline Syllabus

KS1 - KS3 transitions
Development of mathematical subject knowledge
Development of calculation methods
Problem solving approaches
Assessment issues
Research in mathematics education
Progression
Unit planning
Meeting individual needs
Exploring word problems
Qualitative and quantitative data analysis
Statistics

Learning Activities

The module will be taught through lectures, seminars, workshops, and tutorials.

Notes

This module extends students' subject knowledge and pedagogical repertoire for the teaching of mathematics across the primary age phases and ability range.