

Liverpool John Moores University

Title: Teaching Mathematics in KS2
Status: Definitive
Code: **5214PRIM** (122773)
Version Start Date: 01-08-2021

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

Team	Leader
Paul Killen	Y
Sarah Hindhaugh	

Academic Level: FHEQ5 **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 equivalent.	100	

Aims

To develop students' knowledge and understanding of key mathematics concepts and pedagogy associated with teaching the subjects in Key Stage Two.

To apply this knowledge to inform the planning of effective learning sequences in maths.

To develop deeper understanding of KS2 subject knowledge.

Learning Outcomes

After completing the module the student should be able to:

- 1 Analyse the knowledge and understanding of key concepts and related pedagogy underpinning effective teaching and learning of mathematics in Key Stage 2.
- 2 Recognise and implement appropriate teaching strategies to address common misconceptions in primary mathematics.
- 3 Apply and illustrate an understanding of mathematical subject knowledge in Key Stage 2.

Learning Outcomes of Assessments

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

Portfolio	1	2	3
-----------	---	---	---

Outline Syllabus

Number and place value
Development of mathematical subject knowledge
Mental calculations and written methods
Errors and misconceptions in mathematics
Transition to KS3
Planning a sequence of lessons
Assessment and evaluation
Algebra
Fractions
Decimals
Percentages
Meeting individual needs/differentiation
Shape and space in KS2
Measures in KS2

Learning Activities

The module will be taught through lectures, seminars and workshops and enriched with school-based placement. Students will also be expected to engage in independent study, including the auditing and tracking of their subject knowledge development.

Notes

The module develops students' subject knowledge and pedagogical repertoire for the teaching of mathematics in the primary school.