

Teaching Mathematics in KS2

Module Information

2022.01, Approved

Summary Information

Module Code	5214PRIM
Formal Module Title	Teaching Mathematics in KS2
Owning School	Education
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Education

Learning Methods

Learning Method Type	Hours
Lecture	40

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-MTP	MTP	September	28 Weeks

Aims and Outcomes

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.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Evaluate and justify the key concepts, skills and related pedagogy underpinning effective teaching and learning of mathematics in Key Stage 2.
MLO2	2	Recognise and implement appropriate teaching strategies to address common misconceptions in primary mathematics.
MLO3	3	Reflect on personal subject knowledge development and demonstrate engagement with mathematics specific professional development research and sources.

Module Content

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
Module Overview	This module will develop your knowledge and understanding of key mathematics concepts and pedagogy associated with teaching the subjects in Key Stage Two. You will apply this knowledge to inform the planning of effective learning sequences in maths to develop deeper understanding of KS2 subject knowledge.
Additional Information	The module develops students' subject knowledge and pedagogical repertoire for the teaching of mathematics in the primary school.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Portfolio	Portfolio	100	0	MLO1, MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Paul Killen	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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