

Liverpool John Moores University

Title: Introduction to Primary Science
Status: Definitive
Code: **4017PRIM** (120309)
Version Start Date: 01-08-2014

Owning School/Faculty: Education, Health and Community
Teaching School/Faculty: Education, Health and Community

Team	Leader
Deborah Pope	Y

Academic Level: FHEQ4 **Credit Value:** 12.00 **Total Delivered Hours:** 36.00
Total Learning Hours: 120 **Private Study:** 84

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	36.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	Portfolio		100.0	

Aims

*To introduce students to children's early explorations and learning in science.
To begin to develop students' knowledge and understanding of key scientific concepts, scientific enquiry skills and pedagogy associated with teaching the subject in the early years.*

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate awareness and comprehension of the pedagogical content and professional knowledge and understanding required for effective science teaching and learning in the early years.
- 2 Recognise the importance of developing secure knowledge and understanding of science to enable effective teaching and begin to take responsibility for identifying and meeting developing professional needs.

Learning Outcomes of Assessments

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

Science Portfolio 1 2

Outline Syllabus

The nature of science and why we teach it.
Introduction to the primary science National Curriculum.
Early years science experiences - early explorations.
Science in EYFS.
Children's ideas in science.
Children's misconceptions.
Constructivism
Scientific enquiry
Aspects of physics, chemistry and biology topics that can be taught in the earlier years of the primary phase.
Introduction to organising and planning lessons in science.

Learning Activities

Practical workshops and interactive lectures which will be delivered through a mixture of whole group and small group activities. There is an expectation that students will engage in independent learning and track the development of their subject knowledge in their tracking documents.

References

Course Material	Book
Author	Harlen, W.
Publishing Year	2006
Title	ASE Guide to Primary Science Education
Subtitle	
Edition	
Publisher	Association for Science Education
ISBN	

Course Material	Book
Author	Harlen, W. and Qualter, A.

Publishing Year	2009
Title	The Teaching of Science in Primary Schools
Subtitle	
Edition	5th
Publisher	Routledge
ISBN	

Course Material	Book
Author	Peacock, G., Sharp, J., Johnsey, R. and Wright, D.
Publishing Year	2009
Title	Primary Science Knowledge and Understanding
Subtitle	
Edition	
Publisher	Learning Matters
ISBN	

Course Material	Book
Author	Sharp, J and Byrne, J.
Publishing Year	2007
Title	Primary Science Audit and Test
Subtitle	Assessing Your Knowledge and Understanding
Edition	3rd
Publisher	Learning Matters
ISBN	

Course Material	Book
Author	Ward, H., Roden, J., Hewlett, C. and Foreman, J.
Publishing Year	2008
Title	Science in the Primary Classroom
Subtitle	A Practical Guide
Edition	2nd
Publisher	Sage
ISBN	

Course Material	Book
Author	Loxley, P., Dawes, L., Nicholls, L., Dore, B.,
Publishing Year	2014
Title	Teaching Primary Science: Promoting Enjoyment and Developing Understanding
Subtitle	
Edition	2nd
Publisher	Routledge
ISBN	

Notes

This module introduces students to key aspects of teaching science in the primary classroom.

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The primary Science curriculum offers schools a comprehensive programme from infants to sixth class. It provides a very good foundation for the study of science subjects in the post-primary setting. Most importantly, it cultivates a positive attitude to science and provides pupils with opportunities to experience the excitement of working as a scientist. (Department of Education and Science, 1999b, p.2). The section of the curriculum entitled Working scientifically presents a procedural model of how scientists work and outlines the various skills and knowledge that are required. The skills to be developed by this section of the curriculum are. A new edition of the 'ASE Guide to Primary Science Education' is due out in January 2018. This article gives a summary of every chapter in this flagship ASE publication for anyone interested in primary science education. The book, edited by Natasha Serret and Sarah Earle, is divided into three sections: Why teach primary science? How do I teach? Whole school approaches. To give you a taster of what's inside this fascinating book, written by expert practitioners in the field, we outline each chapter below, using extracts from the introduction to each chapter. Primary Science Focus. Mo... then you need the ASE Education Group! Linda outlines the work of this important ASE group and appeals for new members, as well as asking for Jan 2017. See more ideas about Primary science, Science, Science activities. The ASE Primary Science Subject Leader Framework provides guidance and support for both new and experienced primary science subject leaders. Association for Science Education (ASE). Primary Science Science Curriculum Primary School Bug Hunt Change My Life Higher Education Habitats About Uk Schools. Comment: We are committed to providing each customer with the highest standard of customer service. All books are picked, packed and dispatched from the United Kingdom. Add to Basket. Turn on 1-Click ordering for this browser. See All Buying Options. Have one to sell? Sell on Amazon. Flip to back Flip to front. The Association for Science Education (ASE) is a professional association in the United Kingdom for teachers of science and science technicians. The association was formed in 1963 and is a member of the UK Science Council. The Royal Charter of the Association for Science Education States, "The objects and purposes for which The Association is hereby constituted are the promotion of education by the following means: (a) by improving the teaching of science and.