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Title: Developing Primary Science  
 Status: Definitive  
 Code: **5017PRIM** (120311)  
 Version Start Date: 01-08-2018  
 Owing School/Faculty: Education  
 Teaching School/Faculty: Education

Team	Leader
Rick Tynan	Y

**Academic Level:** FHEQ5      **Credit Value:** 24      **Total Delivered Hours:** 89.5  
**Total Learning Hours:** 240      **Private Study:** 150.5

### Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	88

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	Portfolio	Portfolio	66	
Exam	Exam	Exam	34	1.5

### Aims

*To develop students' knowledge and understanding of key scientific concepts, scientific enquiry skills and pedagogy associated with teaching the subject in Key Stage Two.*

*To explore and analyse the key elements of progression of children's conceptual understanding in science and acquisition of skills of scientific enquiry.*

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

## **Learning Outcomes**

After completing the module the student should be able to:

- 1 Demonstrate knowledge and understanding of key concepts and related pedagogy underpinning effective teaching and learning of science in Key Stage 2
- 2 Apply, analyse and evaluate key professional elements of teaching primary science.

## **Learning Outcomes of Assessments**

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

Portfolio	2
Exam	1

## **Outline Syllabus**

*Scientific enquiry - skill development and progression*  
*Physics and chemistry topics from the National Curriculum*  
*Progression of key concepts*  
*Planning teaching and learning sequences*  
*Managing group work*  
*Introduction to differentiation in science*  
*Children's misconceptions*  
*Formative and summative assessment in science*

## **Learning Activities**

The module will be taught through lectures, practicals, 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 science in the primary school.