Institute for Education, Martin Luther King Road, Pembroke PBK 1990. Tel: +35625982001 | Email: ife@ilearn.edu.mt

BPRI204 Teaching Science in the Primary Classroom

ECTS Value: 2 ECTS

Overall Objectives and Outcomes

This module will show how the Learning Outcomes Framework (Science) describes the ultimate goals of science education. It will show that science is not simply a body of knowledge but should also be understood as a process of inquiry and human endeavour. It will show how the teaching of science can be delivered in a meaningful way that develops children's curiosity and inquiring skills. It will mainly show how science can be taught through the 'constructivist' approach.

By the end of this module, the learner will be able to:

Competences

1. appreciate the place of science as a core area of learning within the NCF and it's interdisciplinary within other areas of learning;
2. show creativity and initiative in developing the teaching of science within the school, by evaluating and selecting resources, leading other colleagues and develop team performance.

Knowledge

1. critically identify approaches to deliver science in an engaging and practical way;
2. distinguish the different types of inquiry learning and embed it within science teaching.

Skills

1. create a learning environment through an inquiry-based approach;
2. understand the science dimension's impact on society

Assessment Methods

This module will be assessed through: Practical Assignment(s)

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Suggested Readings

Core Reading List:

1. Cutting,R. and Kelly,O. (2015) Creative Teaching in Primary Science, London: Sage.
2. Harlen, W. (2018). The Teaching of Science in Primary Schools (Seventh Edition), London: David Fulton Publishers.
3. Fitzgerald, A., & Smith, K. (2016). Science that Matters: Exploring Science Learning and Teaching in Primary Schools. Australian Journal of Teacher Education, 41(4). http://dx.doi.org/10.14221/ajte.2016v41n4.4

Supplementary Reading List:

1. Hackling, M., Peers, S.& Prain,V. (2007). Primary Connections: Reforming science teaching in Australian primary schools. Teaching Science,53 (3), 12-16
2. Zerafa,I. & Gatt,S. (2014). Implementing a science curriculum reflecting an inquiry-based approach in the upper primary science. IPSE Journal 9(2), 13-26