



Course Outline

EDGDS6114 SCIENCE CURRICULUM 2

Title: SCIENCE CURRICULUM 2

Code: EDGDS6114

Formerly: TD772

School / Division: School of Education

Level: Advanced

Pre-requisites: (EDGDS6013 or TD770)

Co-requisites: Nil

Exclusions: (TD772)

Progress Units: 10

ASCED Code: 070301

Objectives:

After successfully completing this course, students should be able to:

Knowledge:

- understand different forms of assessment and their underlying philosophies, and apply these in a practical situation;

Skills:

- plan and construct teaching courses which address current scientific understandings, the links between science and society, students' diverse backgrounds, abilities and needs and the Victorian Essential Learning Standards
- develop competency in teaching Science using a variety of strategies and resources including technology;
- develop, to a satisfactory level, the competencies necessary for successful teaching.

Values:

- continue to evaluate their own role and practice, in relation to changes in education and society;

Content:

Topics may include:

- Science as a field of human knowledge and endeavour, the links between Science and other areas of knowledge and between the traditional Science disciplines.
- Further development and critical evaluation of teaching strategies in relation to constructivist theory and the achievement of authentic learning by students.



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- Learning theories and practical teaching
- Curriculum design and the preparation of courses of work.
- Evaluation and assessment issues.
- Planning, implementing and reporting using VELS progression points.

Learning Tasks & Assessment:

Learning Task	Assessment	Weighting
Research and presentation of an issue relevant to sScience Teaching and Learning.	Class presentation and report	30 - 50%
Part A: Preparation of a course of work based on constructivist theory and the VELS. The course should address the development of process skills, understanding of appropriate scientific concepts, and relationships with technology and social issues. Part B: Preparation of an assessment plan based on the course of work. This plan should include a written test and a marking scheme.	Course of Work and Assessment plan	50 - 70%

Adopted Reference Style:

APA