

## EDUC40008 Learning Area: Sci & Technology 3(Adv)

<b>Credit Points:</b>	12.50
<b>Level:</b>	4 (Undergraduate)
<b>Dates &amp; Locations:</b>	2012, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus. Parkville, on-campus.
<b>Time Commitment:</b>	Contact Hours: A total of 36 hours, and assigned tasks in a school designated by the Faculty Total Time Commitment: Not available
<b>Prerequisites:</b>	485-355 Learning Area: Sci & Technology 2 (Adv), or approved equivalent studies
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	None
<b>Core Participation Requirements:</b>	Attendance at all classes (tutorial/seminars/practical classes/lectures/labs) is obligatory. Failure to attend 80% of classes will normally result in failure in the subject.
<b>Coordinator:</b>	Mr David Williams
<b>Contact:</b>	Education Student Centre
<b>Subject Overview:</b>	Students undertake investigation of curriculum resources available for teaching particular science topics, including written materials, multimedia, computer software and industry and community support services; a case study of the understanding and learning of a selected science concept by children at primary school level; and the design, implementation and evaluation of a science unit or a science project related to the local school community extending over at least six hours in a primary school. The major ideas in the current literature on children's understandings of science concepts and the methods by which they may be probed are introduced.
<b>Objectives:</b>	Information not available
<b>Assessment:</b>	There are 3 assessment tasks for this subject. * A task related to assessment of children's project work in science (about 1000 words) (20%) due mid semester * A task related to teaching a science unit of work (about 3000 words) (60%) due end of semester * A literature review of probes of children's conceptual understanding (20%) (about 2000 words) (due end of semester)
<b>Prescribed Texts:</b>	Prescribed Texts: Reading guides will be provided at the beginning of the course of study. Curriculum and Standards Framework II: Science (Board of Studies), 2000 Science: A Curriculum Profile for Australian Schools (Australian Education Council), Curriculum Corporation, 1994 Teaching Primary Science (J Faire & M Cosgrove), University of Waikato, 1988 Making Sense of Our World: An Interactive Teaching Approach (F Biddulph & R Osborne (eds)), University of Waikato, 1984
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	Information Not Available
<b>Notes:</b>	Special requirement: Participation in weekly seminars, including short presentations on contract work in educational settings as arranged.

**Related Course(s):**

Bachelor of Education (Primary)