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Subject Coverage

The *Australian Education Index* is a specialized database containing Australia's largest source of educational information. Relevant topics will appeal to a wide range of people interested in education and educational careers at the school and university levels as well as any education researcher,

All documents are indexed using ACER's Australian Thesaurus of Education Descriptors.

Coverage of lifelong learning theories, issues, practices and techniques includes the following topics:

- Cognitive Development
- Computer Assisted Learning
- Curriculum
- Educational Policy
- Educational Psychology
- Educational Technology
- English (Second Language)
- Language Acquisition
- Management in Education
- Multicultural Education
- Physical Education
- Science Education
- Special Educational Needs
- Teacher Education

Date Coverage

1977 – present

Update Frequency

Quarterly

Geographic Coverage

Australia

Document Types

Reports
Conferences, Symposia, Meetings
Journal Articles
Books
Online resources

Publisher

Australian Education Index is provided by Cunningham Library, Australian Council for Educational Research. Questions concerning file content should be directed to

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Assessment and teaching of science skills : whole of programme perceptions of graduating students

Hodgson, Yvonne; Varsavsky, Cristina ; Matthews, Kelly E . **Assessment and Evaluation in Higher Education** 39.5 (Aug 2014): 515-530.

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AB

Abstract (summary) [Translate](#)

This study reports on science student perceptions of their skills (scientific knowledge, oral communication, scientific writing, quantitative skills, teamwork and ethical thinking) as they approach graduation. The focus is on which teaching activities and assessment tasks over the whole program of study students thought utilised each of the six nominated skills. In this quantitative study involving two Australian research-intensive universities, the teaching activities identified by students as developing the broadest number of skills were laboratory classes and tutorials. Lectures were only effective for developing scientific knowledge and, to a limited extent, ethical thinking. Assessment tasks that students perceived to utilise the broadest range of skills were assignments and oral presentations. The findings of this study document the students' perspective about their gains in skill sets, and the teaching activities and assessment tasks that require them to use and thus develop these skills. The findings provide an opportunity to evaluate the constructive alignment of skills development, teaching activities and assessment tasks from a student's perspective. Further research is required to actually measure the skills that students gain over their whole program of study. [Author abstract, ed]

Indexing (details) Cite

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SEARCH FIELDS

Field Name	Field Code	Example	Description and Notes
Abstract	AB	ab("quantitative skill*")	Use Adjacency and/or Boolean operators to narrow search results.
Abstract present	ABANY	"skills development " AND abany(yes)	Add: <i>AND ABANY(YES)</i> to a query to limit retrieval to records with abstracts.
Accession number	AN	an(202270)	A unique document identification number assigned by the information provider, Cunningham Library.
All fields	ALL	all("public sector research organi?ation?")	Use Adjacency and/or Boolean operators to narrow search results.
All fields + text	--	"public sector research organi?ation?"	Same as ALL field code: searches all fields.
Author ¹ Author First Name Author Last Name	AU AUFN AULN	au(varsavsky, cristina) aufn(cristina) auln(varsavsky)	Includes all authors. Also searchable via the Look Up Citation tool.
First author	FAU	fau(hodgson yvonne)	First name listed in Author field. It is included in Author browse, but its position cannot be specified in the Author browse.
Author affiliation	AF	af("monash university" PRE/3 nursing) af("australasian association")	Includes as much data as is available in the original document, typically author associations.
Date created	DCRE	dcre(20140301)	
Date revised	DREV	drev(2014-08-17)	
DOI	DOI	doi(10.1080/02602938.2013.842539)	Digital Object Identifier. Search the portion of the number that follows http://dx.doi.org
Document title	TI	ti("assessment and teaching of science skills") ti("critical think*" AND environment)	Use Adjacency and/or Boolean operators to narrow search results.
Document type	DTYPE	dtype(journal)	
First available	FAV	fav(2014-08-18)	Indicates the first time a document was loaded in a specific database on PQD. It will not change regardless of how many times the record is subsequently reloaded, as long as the accession number does not change.
From database ²	FDB	"domain knowledge" AND fdb(australianeducationindex) "domain knowledge" AND fdb(1008206)	Useful in multi-file searches to isolate records from a single file. FDB cannot be searched on its own; specify at least one search term then AND it with FDB.
ISSN	ISSN	issn(02602938) issn(0260-2938)	Use of hyphens is optional. Also searchable via the Look Up Citation tool.

¹ A Lookup/Browse feature is available for this field in the Advanced Search dropdown or in Browse Fields.

² Click the "Field codes" hyperlink at the top right of the Advanced Search page. Click "Search syntax and field codes", then click on "FDB command" to get a list of database names and codes that can be searched with FDB.

Field Name	Field Code	Example	Description and Notes
Issue	ISS	iss(5)	Also searchable via the Look Up Citation tool.
Journal name ¹	JN	jn("assessment and evaluation in higher education")	Journal names only. For complete Publication name types, use PUB. Look up list available as Publication title. Also searchable via the Look Up Citation tool for Publication name.
Language	LA	la(english)	All documents are in English.
Location	LOC	loc(australia) loc(france or italy)	Usually country names.
Notes	NT	nt(refereed article)	May include information regarding the physical appearance or the information included in the document.
Pagination	PG	pg(515) pg(515-530)	The start page is searchable on the Look Up Citation page.
Publication date	PD	pd(201408) pd(>=20100101)	Date range searching is supported. Also searchable via the Look Up Citation tool.
Publication Title ¹	PUB	pub("independent education") pub("australian journal*" AND career)	Title of publication where document originally appeared. Also includes alternate title and monographs. Also searchable via the Look Up Citation tool.
Publication year	YR	yr(2013) yr(2012-2014)	Single years or a range of years may be searched.
Publication type	PSTYPE	pstype(articles)	
Source information	SRC	src(clinic*)	Includes Publication title, Volume, Issue, ISSN, Publication date, and Pagination. Also searchable via the Look Up Citation tool.
Subject ¹	SU	su(drama) su(mass media)	Thesaurus available on the Advanced and the Command Line search pages on the right above the query box.
Title (Document)	TI	ti("critical think*" AND environment)	Use Adjacency and/or Boolean operators to narrow search results.
Updated	UD	ud(20140818)	The date(s) the record was loaded as a result of an update provided by the supplier.
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Limit options are quick and easy ways of searching certain common concepts. A check box is available for:

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A short list of choices is available for:

Document Type

Date limiters are available in which you can select single dates or ranges for **date of publication**.

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Author, Publication title, Subject

THESAURUS

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Author, Document type, Language, Publication title, Subject, Publication date

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DOCUMENT FORMATS

Document Format	Fields	Online	Export / Download
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Detailed view	Same as Brief view plus a 3-line KWIC window.	✓	
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Preview	Title, Author, Publication title, Publisher, Volume, Issue, Pagination, Publication date, Abstract.	✓	
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Citation / Abstract	Complete record	✓ ³	✓
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