Description
The Australian Education Index is a comprehensive collection of educational research documents relating to educational trends, policy, and practices. The database is produced by the Cunningham Library at the Australian Council for Educational Research and is Australia's largest source of education information. Coverage includes trends and practices in teaching, learning and educational management.

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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Australian Council for Educational Research
19 Prospect Hill Road
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Camberwell Vic 3124
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Date revised: 29 July 2021
Citation/Abstract

Add to selected items

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

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Abstract (summary)

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 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)

Location
Australia
Title
Assessment and teaching of science skills: whole of programme perceptions of graduating students
Author
Hodgson, Yvonne; Varsavsky, Cristina; Matthews, Kelly E

1 Monash University, Faculty of Medicine, Nursing and Health Science. School of Biomedical Sciences, Monash University. Faculty of Science, University of Queensland. Teaching and Educational Development Institute

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Publication title
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First available
2014-08-18
Updates
2014-08-18
Database
Australian Education Index (1977 - current)
# Search Fields

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Field Code</th>
<th>Example</th>
<th>Description and Notes</th>
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<td>&quot;public sector research organisaiton?&quot;</td>
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</tr>
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<td>Author¹ Author First Name Author Last Name</td>
<td>AU AUFN AULN</td>
<td>au(varsavsky, cristina) aufn(cristina) auln(varsavsky)</td>
<td>Includes all authors. Also searchable via the Look Up Citation tool.</td>
</tr>
<tr>
<td>First author</td>
<td>FAU</td>
<td>fau(hodgson yvonne)</td>
<td>First name listed in Author field. It is included in Author browse, but its position cannot be specified in the Author browse.</td>
</tr>
<tr>
<td>Author affiliation</td>
<td>AF</td>
<td>af(&quot;monash university&quot; PRE/3 nursing) af(&quot;australian association&quot;)</td>
<td>Includes as much data as is available in the original document, typically author associations.</td>
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<td>Document type</td>
<td>DTYPE</td>
<td>dtype(journal)</td>
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<td>&quot;domain knowledge&quot; AND fdb(australianeducationindex)</td>
<td>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.</td>
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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.
<table>
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<td>LOC</td>
<td>loc(australia)</td>
<td>Usually country names.</td>
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<tr>
<td>Notes</td>
<td>NT</td>
<td>nt(refereed article)</td>
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<td>SRC</td>
<td>src(clinic*)</td>
<td>Includes Publication title, Volume, Issue, ISSN, Publication date, and Pagination. Also searchable via the Look Up Citation tool.</td>
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<td>Subject</td>
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<td>su(drama)</td>
<td>Thesaurus available on the Advanced and the Command Line search pages on the right above the query box.</td>
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<td>Title (Document)</td>
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**SEARCH TOOLS**

Field codes are used to search document fields, as shown in the sample document. Field codes may be used in searches entered on the **Basic Search**, **Advanced Search**, and **Command Line** search pages. **Limit options**, **Look up lists**, and **“Narrow results by” filters** tools are available for searching. Some data can be searched using more than one tool.

**LIMIT OPTIONS**

Limit options are quick and easy ways of searching certain common concepts. A check box is available for:

**Abstract included**

A short list of choices is available for:

**Document Type**

Page 4
Date limiters are available in which you can select single dates or ranges for date of publication.

**BROWSE FIELDS**

You can browse the contents of certain fields by using Look Up lists. These are particularly useful to validate spellings or the presence of specific data. Terms found in the course of browsing may be selected and automatically added to the Advanced Search form. Look Up lists are available in the fields drop-down menu on the Advanced Search Page for:

- Author, Publication title, Subject

**THESAURUS**

Australian Education Index Thesaurus is available by clicking on the “Thesaurus” hyperlink on the Advanced and the Command Line search pages. Thesaurus terms may be searched within the thesaurus, then selected to be added automatically to the search form.

**“NARROW RESULTS BY” FILTERS**

When results of a search are presented, the results display is accompanied by a list of “Narrow results by” options shown on the right-hand panel. Click on any of these options and you will see a ranked list showing the most frequently occurring terms in your results. Click on the term to apply it to (“narrow”) your search results. Narrow results by filters in Australian Education Index include:

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

**LOOK UP CITATION**

If you need to trace a particular bibliographic reference, use the Look Up Citation feature. Find a link to this toward the top left of the Advanced Search page, or in the drop list under Advanced on any search form; click this and you will go to a form where you can enter any known details of the citation, including document title, author, journal name, volume, issue, page, publication date, ISSN.
## DOCUMENT FORMATS

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<th>Fields</th>
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<td>Detailed view</td>
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<td>Custom</td>
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</tbody>
</table>

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³ In Online-view mode, PQD gives access to two Document Formats only: Brief citation, and the ‘most complete’ format available. Depending on the database, or the amount of data available for a record, the most complete format may be any one of Citation, Citation/Abstract, Full text, or Full text – PDF.

⁴ Custom export/download format is available in the following mediums only: HTML, PDF, RefWorks, RTF, Text only.