

Outcomes-Based Information Literacy Checklist for Medicine

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1. Defining the Topic

- The information literate person recognises the need for information and determines the nature and extent of the information needed.

Outcome	Teaching & Learning Activity (Examples Only)	Assessment Activity (Examples Only)	Suggested Unit
The student identifies key ideas and the associated language for a given topic.	InfoPathways module (<i>Planning Your Search</i>) PBL session	InfoPathways pre-test Peer and tutor assessment of PBL session	FCP Year 1
The student gains an overview of a topic using encyclopaedias, textbooks and review articles.	InfoPathways module (<i>Planning Your Search</i>) Electronic and printed guides	Quality of assignment bibliography	FAHB Years 1, 2, 3
The student constructs a well built clinical question.	Template/Checklist Small/medium group session Reference interview Web tutorials (eg Duke University)	Search strategy	FCP Year 3 Years 4 (CCM), 5
The student reviews published knowledge and determines if they need to broaden or narrow their topic.	Template/Checklist Small/medium group session Reference interview	Search strategy	FCP Years 1, 2, 3
The student works out what they already know on a topic and identifies the gaps in their knowledge.	InfoPathways module (<i>Planning Your Search</i>)	Search strategy	FCP Years 1, 2, 3
The student reviews their search strategy and broadens or narrows as necessary.	Small/medium group session Reference interview Template/Checklist	Search strategy	FCP Year 3
The student recognises the need to seek expert help when required and knows the importance of the Library in the information process.	Small/medium group sessions Reference interview	Search strategy	PPD Year 1
The student explains when a literature search is required.	InfoPathways (<i>Finding Information for Your Assignment</i>) PBL session	Peer and tutor assessment of PBL session	FCP Year 3
The student lists the keywords and concepts	InfoPathways module (<i>Planning Your</i>	Search strategy	FAHB Year 1

for their research topic.	<i>Search)</i>		FCP Years 1, 2, 3
The student incorporates additional concepts and information retrieval sources and repeats their search as necessary.	Small/Medium group session Template/Checklist Reference interview	Research Journal/Diary Search Strategy document	FCP Year 3

2. Selecting and Using Resources

- *The information literate person finds need information effectively and efficiently.*

Outcome	Teaching & Learning Activity (Examples Only)	Assessment Activity (Examples Only)	Suggested Unit
The student describes the wide array of information sources available (eg journals, web sites).	InfoPathways module (<i>Finding information for your assignment</i>) Printed and electronic and guides	Quality of assignment bibliography	FCP Year 1 (Rural Week)
The student identifies special characteristics of literature in medicine, dentistry, psychology and community health information.	Printed and electronic guides Template/Checklist Small/medium group session Reference interview Web tutorials	Quality of assignment bibliography Search strategy	FCP Years 1, 2, 3
The student knows how search engines work and is competent in several search software interfaces.	Library Web site (<i>Supersearch</i>) Library Web site (<i>Search the web</i>)	Search strategy	FCP Years 1, 2, 3
The student justifies decisions (eg in court) based on information they have found.	Small/medium group session Template/Checklist	Search strategy	Year 6 (PPD?)
The student explains that selection criteria are used by the Library and by database providers to select resources.	Library Web site (<i>About our collections</i>) Small/medium group session	Search strategy	Year 3 FCP
The student describes the wide array of information sources and understands their appropriateness for a given information problem eg Medline, Cochrane, MIMS.	Small/medium group session Web tutorials (eg Duke University)	Search strategy Quality of assignment bibliography	Year 4 Core Clinical Methods
The student selects appropriate information access tools for their topic considering coverage, cost and convenience.	Library Web site (<i>Supersearch</i>) Small/medium group session	Quality of assignment bibliography	Year 1 FCP
The student recognises the need to seek expert help when required and knows the importance	Library Web site (<i>Ask A Reference Librarian</i>)	Search strategy	Year 1 PPD

of the Library in the information process.			
The student develops and uses successful search strategies by understanding the advantages and disadvantages of different databases search techniques (truncation, free text, fixed vocabulary, combining free text/fixed vocabulary, boolean).	Small/medium group session Web tutorials (eg PubMed, Cochrane)	Search strategy	Year 3 FCP
The student is able to print, photocopy, download etc	Printed and electronic guides	Quality of assignment bibliography	Year 1 FAHB
The student conducts effective searches for journal articles, books and web sites, including for evidence-based materials.	Small/medium group session Resources pages on Flying Fish	Search strategy	Year 3 FCP Year 4, 5 (EBM PBL sessions)
The student recognises that the search strategy has to be designed for the database.	Small/medium group session Online tutorials (eg PubMed)	Search strategy	Year 1 FCP
The student accesses both print (eg textbooks, journals) and online (eg electronic journals, web sites) resources.	InfoPathways (<i>Finding information for your assignment</i>) Small/medium group session	Quality of assignment bibliography	Year 1 PPD, FCP
The student locates books, journals and web sites from details given in a Library catalogue entry.	InfoPathways (<i>Finding information for your assignment</i>)	Quality of assignment bibliography	Year 1 FAHB; FCP
The student identifies services and people who can supply and organise information (eg evidence-based material).			Year 4 CCM
The student locates a variety of resources, representing a range of view points.	Small/medium group sessions Template/Checklist Infopathways Reference Interview	Research Journal/Diary Search Strategy document Reading List	Year 3 FCP (Community health Project)
The student is aware of, and abides by, the UWA Library Rules.			Year 1 PPD
The student is aware of licences for electronic material and adheres to these.	InfoPathways module		Year 1 PPD?
The student recognises that some information available free to students will be fee based on graduation.			Year 6 PPD (not currently done)
The student recognises that patient information			Year 6 PPD (not

must be accessible (both physically and intellectually).			currently done)
The student accesses evidence-based resources (eg clinical practice guidelines) to inform decisions.	Infopathways Small/medium group session Reference interview Template/Checklist Electronic and printed guides	Bibliography Research Journal/Diary Search Strategy document	Year 3 FCP Year 4 CCM
The student is able to describe the differences between full-text and indexing databases.	Small/medium group session	Search strategy document	Year 2 FCP
The student is able to identify and search the sources of synthesized evidence-based information.	Large group	PPD Portfolio	Year 4 CCM

3. Evaluating Information

- *The information literate person critically evaluates information and the information seeking process.*

Outcome	Teaching & Learning Activity (Examples Only)	Assessment Activity (Examples Only)	Suggested Unit
The student identifies the value and differences of resources in a variety of formats including authoritative sources (eg. journals, books, databases, web sites, Cochrane).	InfoPathways module Printed and electronic Electronic and printed guides Template/Checklist Small/medium group session Reference interview	Quality of assignment bibliography Search strategy	Year 1 & 2 FCP
The student examines and compares information from journals and books in order to evaluate reliability, validity, accuracy, authority, timeliness and point of view or bias.	InfoPathways module Printed and electronic and printed guides Template/Checklist Small/medium group session	Quality of assignment bibliography Search strategy	Years 1-3 FCP

	Reference interview		
The student comments on the reliability, authority and timeliness of information found.	Infopathways Small/Medium group session Infopathways	Web Search & Evaluation Exercise Literature Search & Analysis Reading List	Years 1-3 FCP Year 4 CCM (EBM)

4. Organising and Presenting Information

- *The information literate person manages information collected or generated.*
- *The information literate person applies prior and new information to construct new concepts or create new understandings.*
- *The information literate person uses information with understanding and acknowledges cultural, ethical, economic, legal, and social issues surrounding the use of information.*

Outcome	Teaching & Learning Activity (Examples Only)	Assessment Activity (Examples Only)	Suggested Unit
The student recognises that gathering information takes time and is able to search and gather information to meet a deadline.		Assignment/tutorial preparation completed and submitted by due date	Year 1 FAHB
The student recognises the need to seek expert help when required and knows the importance of the Library in the information process.	Library orientation – small or large group		Year 1 PPD & FCP
The student identifies services and people who can supply and organise information (eg evidence-based material).			Year 4 CCM
The student creates a system for organising and managing published and unpublished information.	Small/Medium group session Template/Checklist	Research journal/diary	Year 3 FCP (Community Health Project) Year 4 Option
The student distinguishes between the various types of material from a list of references (eg books, journals, chapter in a book).	InfoPathways module	InfoPathways Quiz (self-assessment)	Year 1 PPD
The student records sources of information.	InfoPathways module	Assignments are correctly	Year 1 FAHB

		referenced	
The student consistently uses an appropriate style to cite resources.	The student consistently use an appropriate style to cite resources.	Assignments are correctly referenced	Year 1 FAHB Year 4 Option
The student observes Australian copyright and privacy laws.	InfoPathways module		?
The student records their information seeking processes.	InfoPathways Small/Medium group session Template/Checklist Reference interview	Search strategy Research journal/diary	Year 1 FAHB
The student accesses resources to support the communication of information eg books on citation style, presentation, etc.		Correct referencing	Year 4 Option
The student applies information to particular scenarios, taking into account patient values and beliefs.	Peer Teaching in small/medium group Peer teaching in a lecture	Feedback on Peer Teaching	Years 1-3 FCP