

Utilising Learning Technologies for the Delivery and Assessment of Embedded Information Literacy

LIR Group Seminar - *Tech Tools for Teaching: Planning, Pitfalls and Practice*
Dublin City University | 9th December 2014

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MSc in Information & Library Management



- Offers over 100 programmes in **arts, business and law** - levels 6,7,8 and 9.
- Approximately 9,000 current students
- Accredited by **Quality Qualifications of Ireland (QQI)**.
- Accreditation partners include King's Inns, ACCA, CIMA, PSI, IACP & LAI.



Information Literacy in DBS

Standalone
(one size fits
all)

Integrated
(bespoke)

Embedded
(accredited)

Selection of Classes:

- Planning and Writing Assignments
- Referencing (Harvard, APA and OSCOLA)
- Getting Started: Finding Books, Articles & more
- Advanced Research
- Preparing a Literature Review
- Zotero workshops (reference management software)
- **NEW:** Information Literacy for the Workplace.

Information Literacy Policy Statement – May 2010

- Dedicated Information Literacy / Skills Librarian
- SCONUL Seven Pillars of Information Literacy

Technologies & Resources Utilised

- DBS Assignment Planner
- Google Calendar
- Eventbrite
- Articulate Studio
- Xtranormal (animation)
- Prezi
- Socrative
- Zotero
- Moodle



Standalone: Sign Up Classes

The screenshot shows the DBS Library website. At the top is a navigation bar with links: Home, About the Library, Electronic Resources, Library Services (highlighted in green), and Subject Portals. Below the navigation bar is the heading "Library Classes". Underneath is a sub-heading: "Select the class(es) that you would like to attend and Book Your Place via the links provided." Below this is a calendar interface. The calendar shows the current date as Wednesday, November 5. The calendar view is set to "Week". The calendar displays the following classes:

Date	Class
Wednesday, November 5	5:00pm Planning, Writing & Referencing Assignments for Arts Students
Tuesday, November 11	5:00pm Finding Books, Articles & More for Arts Students
Wednesday, November 12	5:00pm Finding Books, Articles & More for Business Students
Thursday, November 13	5:00pm Using Athens
Tuesday, November 18	5:00pm Planning, Writing & Referencing Assignments for Arts Students
Wednesday, November 19	5:00pm Planning, Writing and Referencing Assignments for Business Students

- Run throughout the Academic Year.
- [Google Calendar](#) embedded into website.
- Links to [Eventbrite](#) for class bookings.

Integrated Classes

- Requested by faculty.
- Delivered by Information Skills Librarian.
- Part of the timetabled class schedule.
- Bespoke: tailored to relevant level (e.g. Level 6, 7, 8 or 9).
- Primarily assignment based.
- Cover wide range of topics as requested.



Off-Campus IL

Synchronous & Asynchronous Delivery

- Part-time Learners
- Remote Learners, e.g. *Malaysia KPTM*
- Asynchronous:
 - ✓ Handbooks & guides (PDF)
 - ✓ Articulate tutorials
 - ✓ Camtasia
- Synchronous:
 - ✓ Skype (screen-sharing)
 - ✓ Ask-a-Librarian IM





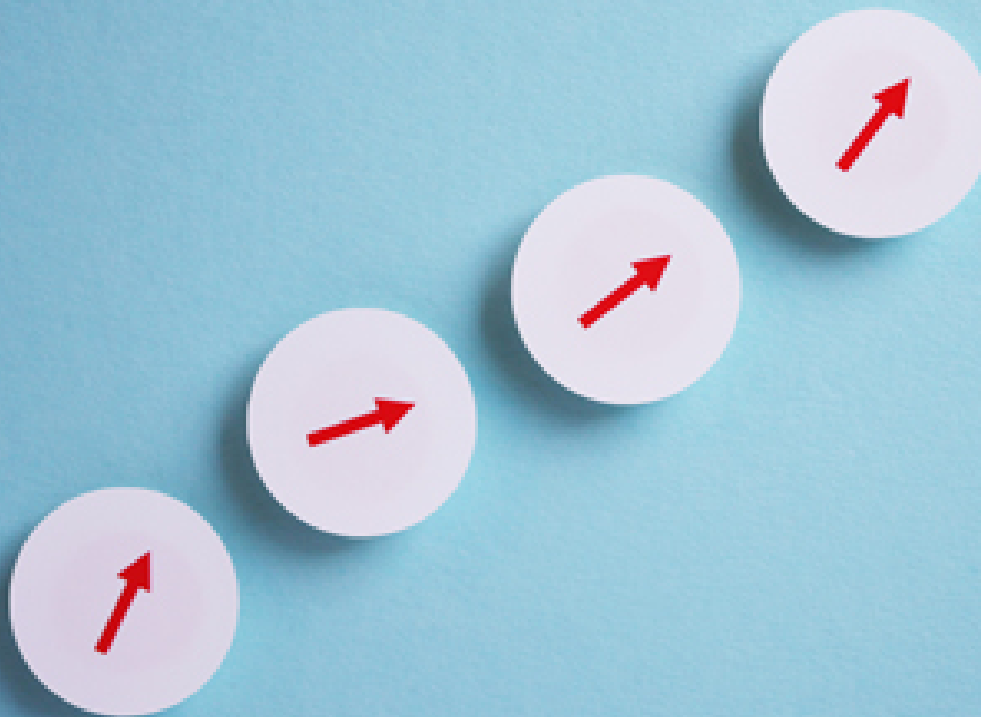
Moodle as Go-To Point for Remote Learners

The more desirable practice is to “push” Web-based instruction to targeted users by embedding content in academic course management systems like Blackboard rather than assuming students will browse the library Web pages and “pull” the information. The “push” model is particularly because it is effective in achieving outreach to remote users for whom in-person library contact is limited. The “push” model can be “on demand” in the form of a recorded video that can be accessed by students from a link or URL.

(Swarm, Vincent and Gordon, 2013)

Embedded & Accredited

Information Literacy formally embedded in the curriculum in 2013



- Extensive **Library advocacy** and liaison with faculty.
- **QQI Programmatic Review 2013** of Level 8 Business Programme.
- IL embedded in first year, first semester module: ***Learning to Learn.***

Delivery of Embedded IL – AY 2013-2014

- BA (Hons) in Business [Level 8]
 - first year, first semester module.
- *Learning to Learn* module: co-delivered by Business Lecturer and Information Skills (IS) Librarian.
- IL delivery: 6 hours
 - FT: 2 wks x 3 one hour sessions
 - PT: 4 wks x 1.5 hr session



Technologies Utilised

- Socrative
- Articulate Studio
- Xtranormal (animation)
- DBS Assignment Planner
- Prezi
- Moodle



SOCRATIVE



ROOM: 137991
Live Results

FINISH

Dashboard

Quiz in Progress...

Refresh ↻

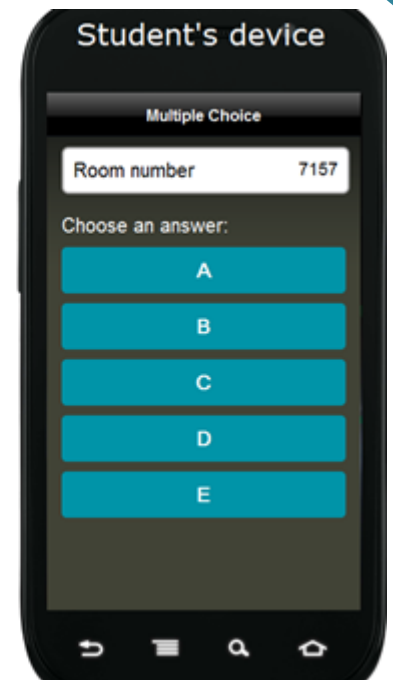
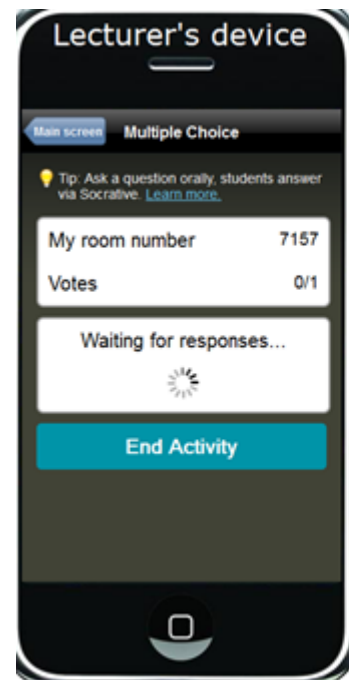
NEXT

1

What is information?


0/0 students answered

Free 'Clicker' software for
smartphones / tablets



Articulate Tutorials

What is plagiarism (00:04 / 04:37) | ATTACHMENTS



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Outline Thumbnails Notes Search

- 1. What is plagiarism?
- 2. Tutorial Aims
- 3. What is Plagiarism?
- 4. So what is plagiarism?
- 5. It's Not Just About Copying
- 6. Plagiarism or Not Plagiarism
- 7. Student Stories
- 8. Plagiarism- A Serious Offence
- 9. Let's Recap

WHAT IS PLAGIARISM?

Join THE DOTS
DBS Online Tutorial Series

DBS Online Tutorial Series

articulate
POWERED PRESENTATION

SLIDE 1 OF 9 PLAYING 00:04 / 00:05

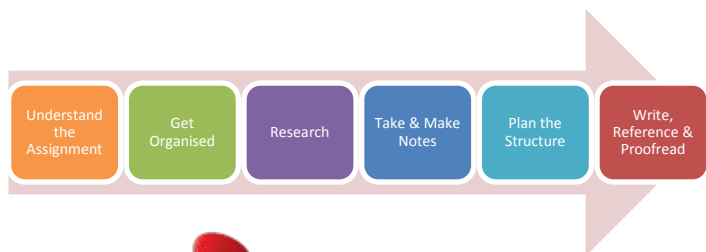
II ◀ ▶

XtraNormal character-based animation





Based on our **6 Steps to Success**



OBJECTIVES

- ✓ Break task into manageable steps
 - ✓ Propose target-due dates
 - ✓ Link to relevant resources
 - ✓ Assist time management
 - ✓ Lower stress and library anxiety
 - ✓ Support information literacy
- (Kouker, 2014)

The Assignment Planner

Starting on: 9/11/2014

Ending on: 15/12/2014

According to the dates you have entered, you have 35 days to finish.

[Printer-friendly Version](#)

[Submit for email reminders!](#)

Want to try a different date?

Start Date: 8 - 12 - 2014

Due Date: - - 2014

[Re-Calculate Schedule!](#)

Step 1

By Tue Nov 11, 2014: *Understand your assignment*

- Understanding your Assignment
- Additional Info

Step 2

By Thu Nov 13, 2014: *Get organised - focus topic*

- Get Organised
- Where to Start a Paper

Step 3

By Fri Nov 21, 2014: *Research Find, review & evaluate information*

- Research: where to start
- Library catalogue (books, eBooks, DVDs, theses)
- Search by subject via Subject Portals
- Guide to using Discovery (simultaneous database search tool)
- Guide to using Athens (for accessing individual databases off-campus)
- DBS Online Tutorials for Avoiding Plagiarism

Step 4

By Tue Dec 02, 2014: *Active Reading & Making Notes*

- Active Reading & Making Notes
- Using Mind Maps for Note-Taking

Step 5

By Thu Dec 04, 2014: *Create a plan / overall structure*

What worked & *what could have worked better*

- **Socratic:** useful for engaging learners and stimulating discussion.
- **Articulate tutorials:** support in-class and home based work (non-credit bearing formative assessment).
 - **However:** unable to utilise tutorials and quizzes as accredited summative assessment tool due to Flash compatibility and SCORM/Moodle issues.
- **Assignment planner:** very useful for leading learners to relevant resources *at the point of need*.
 - **However:** at present it a 'one size fits all' tool, which isn't as useful as a specifically tailored planner (which is the long term plan!).

Assessment of Pilot

- 25% of *Learning to Learn* grade
- Microsoft Word-based worksheets
- Based on worksheets from *Hands-On Information Literacy Activities I & II* (Birks & Hunt, 2003; Hunt & Birks, 2008)

Key areas assessed:

- ☐ Finding information
- ☐ Understanding different info sources
- ☐ Evaluation of sources
- ☐ To cite or not to cite
- ☐ Harvard referencing



Challenges of Delivery & Assessment

Large no of students:

FT = 79 learners

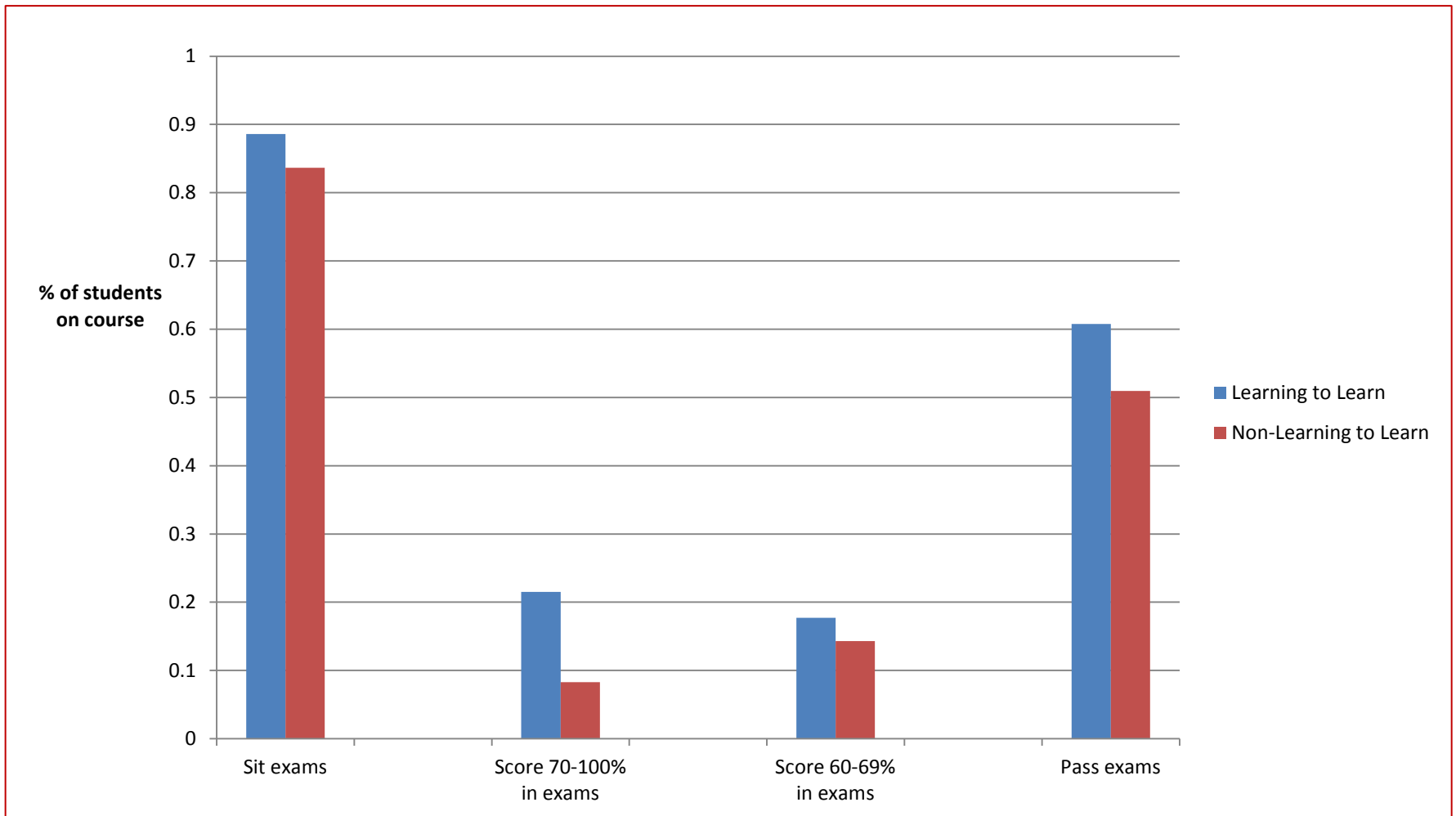
PT = 134 learners



- Concerns regarding over-assessment at Level 8.
- Marking of worksheets was hugely time consuming for Library staff.

Review of Impact (1)

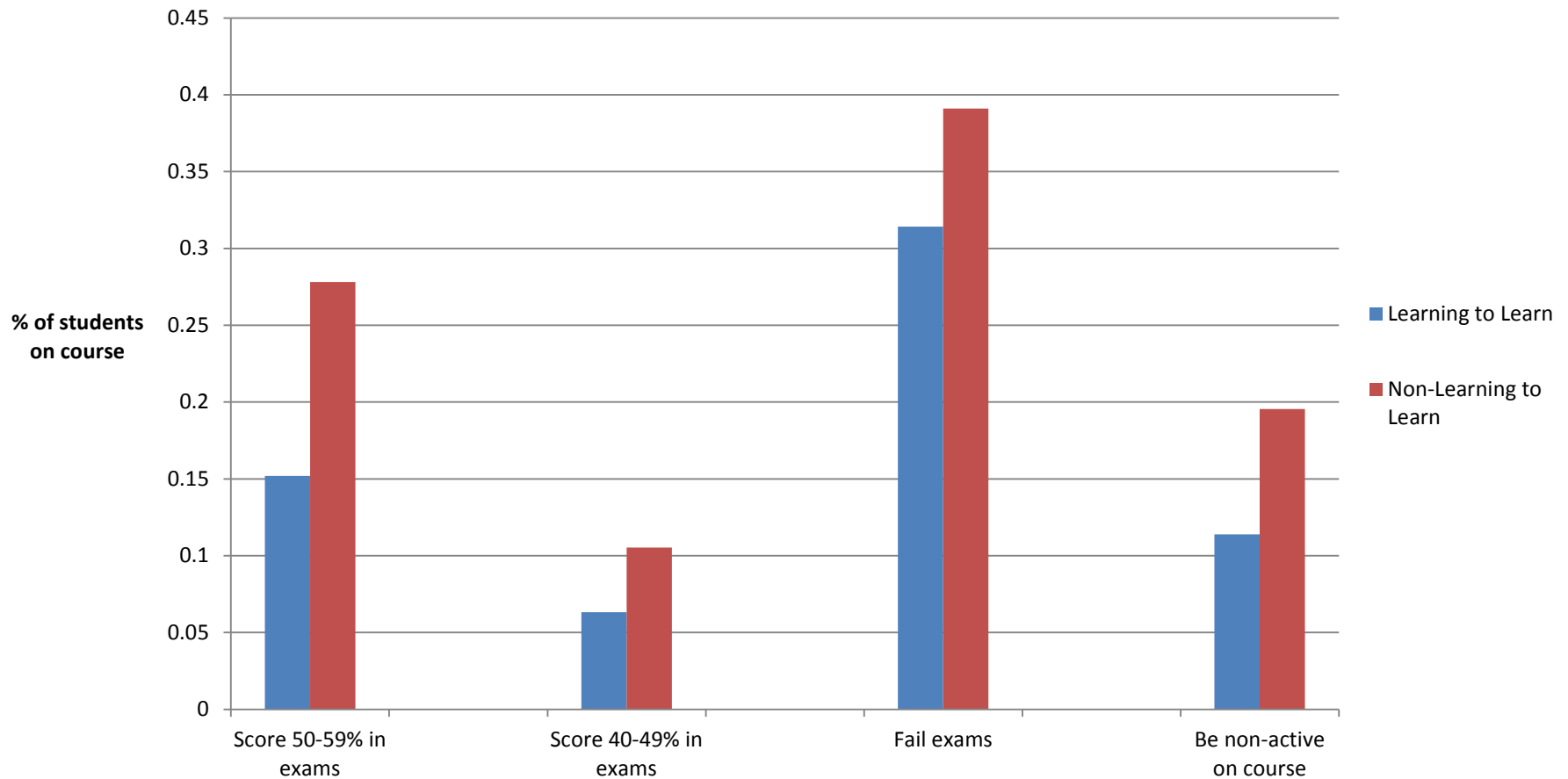
Learners on the *Learning to Learn* module were **more likely to...**



(David Hughes, DBS: 2013-2014)

Review of Impact (2)

Learners on the *Learning to Learn* module were **less likely to...**



(David Hughes, DBS: 2013-2014)

Expansion of Embedded Info Literacy

Further QQI Programmatic Reviews in 2013-2014 resulted in the expansion of the *Learning to Learn* module across various programmes:

- Higher Certificate in Business (L6)
- BA in Legal and Business Studies (L7)
- Bachelor of Business (L7)
- BA (Hons) in Psychology (L8)

<http://www.foraccountants.com.au/2014/04/16/effective-delegation/>

Information Literacy component of the module continues to be delivered by Information Skills Librarian:

Team extended to 2 librarians:

- Maria Rogers
- Colin O'Keeffe



The Solution: Automated Assessment

MOODLE QUIZ TOOL/MODULE

https://docs.moodle.org/23/en/Quiz_module

- Mix of Multiple Choice Questions (MCQs) & True/False Questions
- Adapted from Word-based worksheet & informed by *Assessments of Information Literacy: Available Online* (compiled by Mueller, 2014)
 - Level 6 & Level 7 = 20% of grade (11 questions)
 - Level 8 Psychology = 20% of grade (11 questions)
 - Level 8 Business = 25% of grade (14 questions)

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Search Modules



QUIZ NAVIGATION

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#)[7](#) [8](#) [9](#) [10](#) [11](#) [12](#)[13](#) [14](#)

Finish attempt ...

[Start a new preview](#)

NAVIGATION

[Home](#)[My home](#)[Site pages](#)[My profile](#)[Current course](#)[B6LL100 Learning to Learn \(B6LL100_1415_TV\)](#)[Participants](#)[Badges](#)[General](#)[GENERAL INFORMATION](#)[MODULE GUIDE](#)[ASSESSMENT INFORMATION](#)[TOPIC 1](#)

Question 4

Not yet answered

Marked out of 1.00

Flag question

Edit question

What content can you find by searching the Library's databases?

Select one:

- ☐ a. Academic Journal Articles only
- ☐ b. Academic Journal Articles, Company & Industry Reports, SWOT Analyses, News Articles, etc.

Question 5

Not yet answered

Marked out of 1.00

Flag question

Edit question

Which of these is a good quality information source?

Select one:

- ☐ a. Credo Reference (available via Moodle homepage)
- ☐ b. About.com
- ☐ c. Wikipedia

Question 6

Not yet answered

Marked out of 2.00

Flag question

Edit question

When searching online we should use "inverted commas" with our keywords to help us find specific information, e.g. "Social Media". Why?

The screenshot shows the EBSCO Discovery Service search interface. The search term "social media" is entered in the search box. The results list includes "social media", "social media marketing", "social media research", "social media effects", "social media addiction", "social media in the workplace", "social media use", "social media management", "social media privacy", and "social media college students grades". The interface also shows options to "Select a Field" and "Search".

Select one:

- ☐ a. "Inverted Commas" are used when we are searching for a specific phrase - e.g. "business planning". It is called a phrase search.
- ☐ b. "Inverted Commas" are used when we are searching for variations of a word or phrase

ACTIVITIES



- Assignments
- Forums
- Quizzes
- Resources

DBS ASSESSMENT
PLANNERDBS Assignment
Planner

- ☐ Plan
- ☐ Control
- ☐ Succeed

CALENDAR



December 2014						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21

Initial Review

Advantages	Questions & Challenges
Instant feedback for learners (after final submission date)	Are MCQs and F/T questions suitable for assessing IL at all levels?
Hugely time efficient after initial set-up	Are the Module Learning Outcomes being fully assessed?
Teacher / lecturer can gauge engagement with assessment (length of time spent on completing the quiz).	How to deal with late submissions?

THINGS TO CONSIDER WHEN SETTING AN AUTOMATED QUIZ:

1. How many attempts do you allow your learner?
2. When can answers / feedback be viewed by learners?
(It's best after final submission date otherwise you are opening it up to cheating / collusion).
3. Are you or how will you assess critical thinking / higher order cognitive processes?

Plans for the Future

- Socrative for diagnostic testing (measuring impact)
- Investigate use of open-ended Moodle Quiz questions
- Embed Articulate tutorials using SCORM package
- Further utilise open access / creative commons resources

**Roads?
Where we're going
we don't need roads!**



**BACK
TO THE FUTURE II**
PART II

November 1989

<http://winstonbanneruwf.typepad.com/blog/2010/11/back-to-the-future-part-ii-movie.html>

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