Starting with the End in Mind: Using Student Learning Outcomes to Drive Information Literacy Instruction

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Starting with the End in Mind: Using Student Learning Outcomes to Drive Information Literacy Instruction

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Workshop Learning Outcomes

At the end of this workshop participates will be able to:

• Identify learning outcomes for an IL instruction session *in order to* improve teaching and student learning
• Utilize learning outcomes *in order to* prioritize instructional content
• Analyze learning outcomes *in order to* assist with assessment efforts
What process do you use to....

• Prioritize the content you teach in a library instruction session?
• Structure the session to ensure that students are learning what they need to know?
Workshop Learning Outcome #1

Identify learning outcomes for an IL instruction session *in order to* improve teaching and student learning
“Learning outcomes are specific, measurable objectives that describe what an individual will learn and be able to do as a result of a lesson or program.”

from A faculty Guide to Creating Learning Outcomes
<table>
<thead>
<tr>
<th>Learning Objective</th>
<th>Learning Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>During this library session students will be introduced to the library’s resources and services.</td>
<td>During this library session students will select a topic and develop three questions in order to construct a thesis statement.</td>
</tr>
</tbody>
</table>

*Students will be able to...*

*Student will be able to...*

- Select a topic
- Develop three questions
- Construct a thesis statement
Shift the Paradigm

- Begin with the end in mind
- Work backwards
- Ask the question “What do you want students to be able to do?”
Characteristics of Effective Learning Outcomes

• Express what students will be able to know or do
• Are measurable, detailed, and specific
• Are clear to students, faculty and librarians
• Address content and skills
• Include action verbs
• Useful for all levels of instruction and applicable in a variety of contexts
Bloom’s Taxonomy

Higher Order Thinking Skills
- Evaluation
- Synthesis
- Analysis
- Application
- Comprehension

Lower Order Thinking Skills
- Knowledge

Bloom’s Revised Taxonomy

Higher Order Thinking Skills
- Creating
- Evaluating
- Analysing
- Applying
- Understanding
- Remembering

Lower Order Thinking Skills

from Bits and Bytes Winnipeg School Division
http://blogs.wsd1.org/etr/?p=84&repeat=w3tc
Retrieved 1 August 2013
Formula for Writing Learning Outcomes

The student will ________ in order to ________

What the student will do >>>> student learning achieved

Outlet
Workshop Learning Outcome #2

Utilize learning outcomes in order to prioritize instructional content
5 Questions for Assessment Design

1. What do I want the student to be able to do? (outcome)
2. What does the student need to know to do this well? (curriculum)
3. What activity will facilitate the learning? (pedagogy)
4. How will the student demonstrate the learning? (assessment)
5. How will I know the student has done this well? (criteria)
Theory into Practice (25 minutes)

• Create a library instruction scenario (i.e. research methods, orientation, etc.).
• Decide on the instructional content for your scenario (outline what you are going to teach).
• Complete the 5 Questions for Assessment Design worksheet.
• Identify two learning outcomes for your library instruction scenario.
Workshop Learning Outcome #3

Analyze learning outcomes *in order to* assist with assessment efforts
Assessment Tools

Student worksheets
Rubrics
In class exercises
Pre/Post tests
Grading assignments
Quizzes/Surveys
Why Learning Outcomes Assessment?

• Know *what* you are doing.
• Know *why* you are doing it.
• Know what students are *learning* as a result.
• Enact *change* based on the information.
Questions/Comments

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Bibliography


