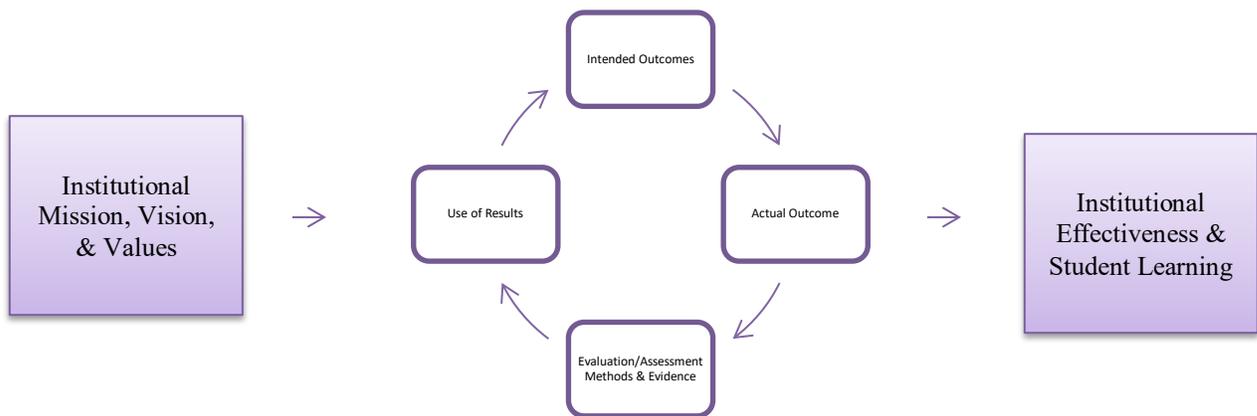


Texas Christian University Student Affairs Assessment Guide

Chapter 3: Outcomes Assessment

Outcomes assessment is the most valid way of demonstrating the effectiveness of services, programs, and facilities, especially in defending and promoting higher education, and also in meeting accreditation standards. It is also the most difficult, complex and misunderstood of all the assessment methodologies (Upcraft & Schuh, 2001).



Assessing outcomes helps clarify how the division, department, and program fit, or align, with the overarching institutional vision, mission, values, and strategic initiatives. When outcomes are stated clearly, students and other constituents know what is expected of them and what gains they can expect from participating. Outcomes assessment moves beyond measuring satisfaction or tracking use by providing measures of effectiveness. Assessing outcomes increases the awareness of the connection between what students are learning in the classroom and outside of it.

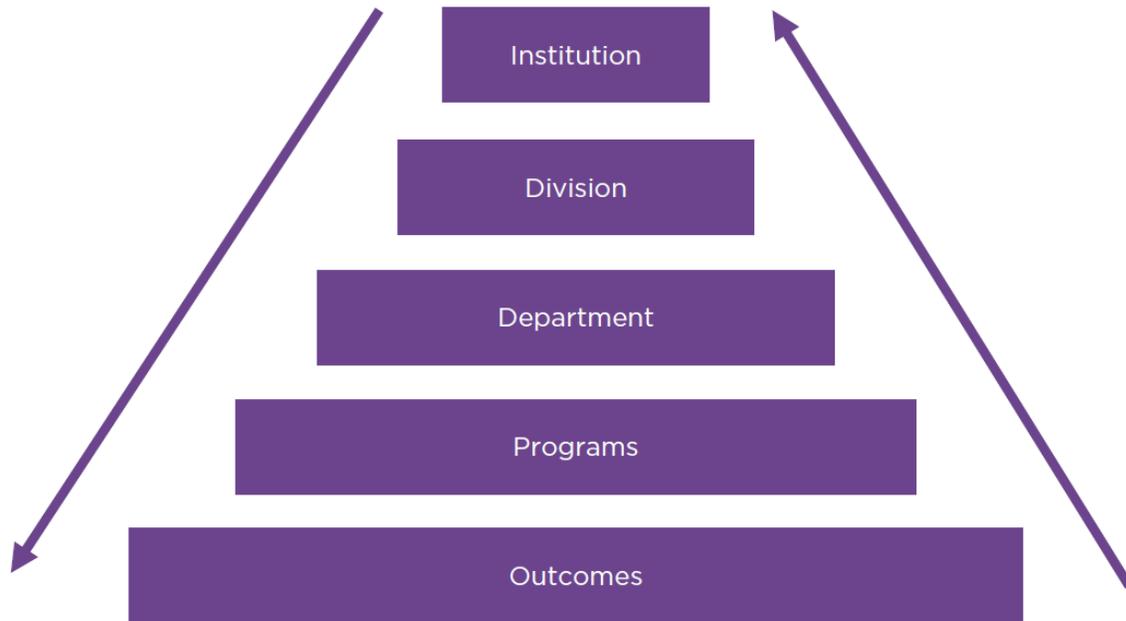
“Student learning is not the result of discrete experiences but rather the product of many different kinds of experiences in and outside the classroom over an extended period of time,” (Schuh, J. H., & Gansemer-Topf, A. M., 2010, p. 10).

Types of Outcomes

There are basically two types of outcomes, *program*, or *operational*, outcomes and *student learning outcomes (SLOs)*. Operational outcomes examine what a program or process is to do, achieve, or accomplish for its own improvement. An example of an operational outcome might be, “By the end of the semester, 95% of all RA’s will have completed CPR training.” Operational outcomes typically have indirect effects on end users and therefore, ultimately influence the SLO.

SLOs, on the other hand, examine what students, or participants, are doing or thinking as a result of their participation in the program, service, or activity. “After completing CPR training, 95% of RA’s will be able to demonstrate correct CPR techniques,” is a good example of an SLO. SLO statements clearly state the expected knowledge, skills, attitudes, competencies, and habits of mind that students are expected to acquire.

Connection To The Big Picture



Both SLOs and Operational outcomes should follow the “3 M Guideline,” of being meaningful, measurable, and manageable. Outcomes should also be SMART:



Subject: Students who attend Frog Camp
 Measurable: at least 3 fellow students they didn't know before
 Action: will be able to name
 Realistic: at least 3 (not 50, not all the campers)
 Time-Bound: By the end of Frog Camp

Example:

By the end of Frog Camp, students who attend Frog Camp will be able to name at least 3 fellow students they did not know before camp started.

Student Learning Outcomes (SLOs)

Measuring SLOs provides many challenges. Assessing them is not always easy – a survey may not do it. Students do not experience college in discreet chunks of programs or learnings. It is all mixed up together in the classroom and out of it. It is difficult to attribute learning to one, singularly identifiable event in a student's entire collegiate experience. Also, some desirable outcomes from our programs may take months or even years to come to fruition. Identifying tangible ways of measuring intangible concepts can be tricky; but, not impossible.

According to Huba & Freed (2000), there are several characteristics that make SLOs more effective.

Effective SLOs:

-  Are student-focused
-  Focus on learning resulting from an activity rather than the activity itself
-  Reflect the institution's mission and the values it represents
-  Align at the course/program, academic program/department, divisional, and institutional levels
-  Focus on skills and abilities central to the program's purpose and based on standards of excellence
-  Are general enough to capture important learning, but clear and specific enough to be measurable
-  Focus on aspects of learning that will develop and endure but that can be assessed in some form now

ABCD Structure of an SLO



AUDIENCE

- To whom does the outcome pertain?
- Who is the subject?



BEHAVIOR

- What is the audience expected to know or be able to do?
- What is the action verb?



CONDITION

- Under what conditions or circumstances will the learning occur?
- What is the timeframe or circumstances?



DEGREE

- How much will be accomplished?
- What level of the behavior will need to be performed to be successful?

Bloom's taxonomy can be extremely helpful in determining measurable learning behaviors.



Bloom's taxonomy is a classification of skills arranged in levels of complexity. The taxonomy involves all categories of questions. And, like other taxonomies, Bloom's is hierarchical, meaning that learning at the higher levels is dependent on having attained prerequisite knowledge and skills at lower levels. Bloom's Taxonomy is often displayed as a pyramid graphic to help demonstrate this hierarchy. Thinking about Bloom's taxonomy, the different levels of thinking would require different assessment methods. (More in-depth thinking level = more in-depth assessment)

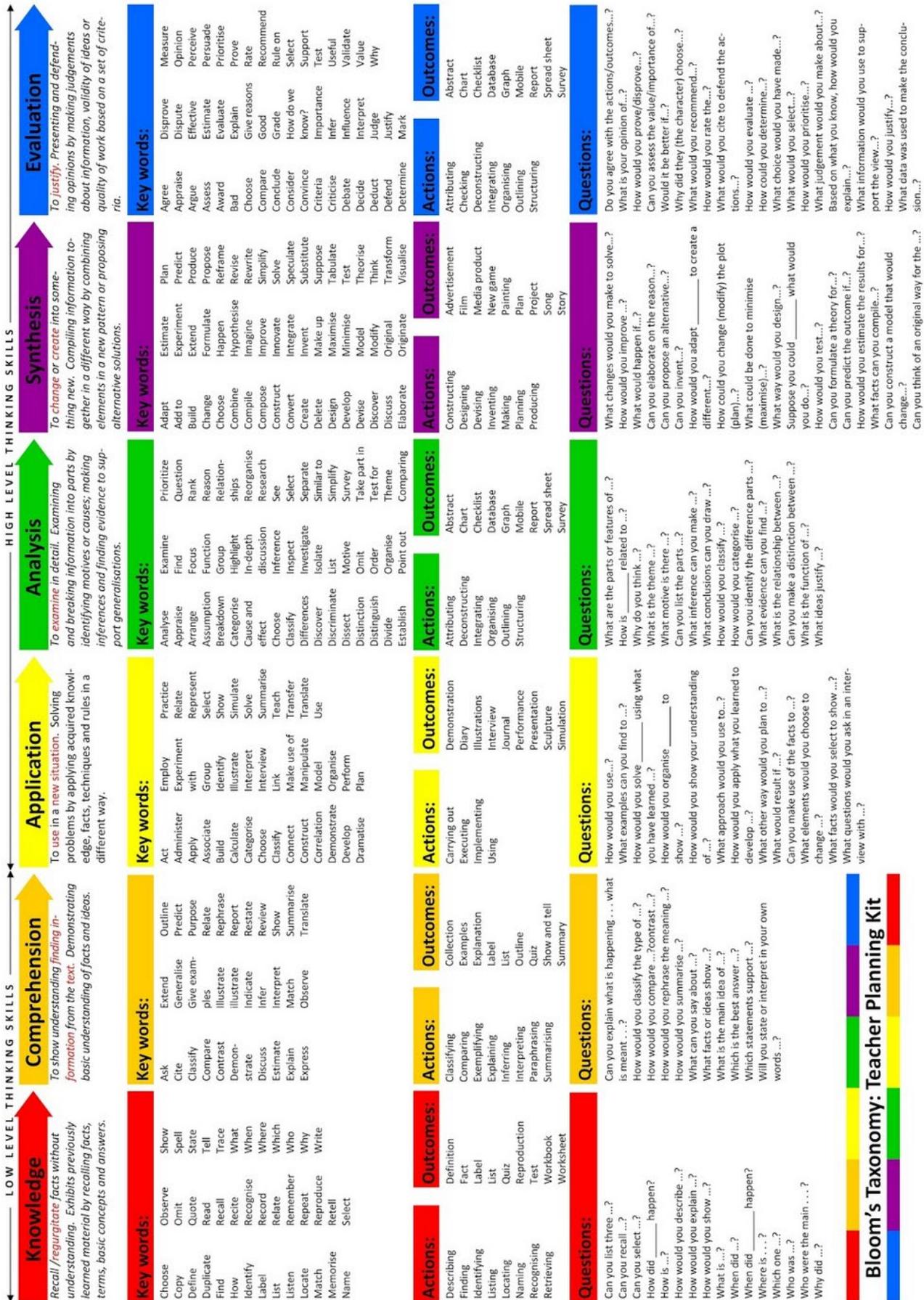
Bloom's taxonomy can be a powerful tool to help develop learning objectives/outcomes, because it explains the process of learning:

- Before you can **understand** a concept, you must **remember** it.
- To **apply** a concept you must first **understand** it.
- In order to **evaluate** a process, you must have **analyzed** it.
- To **create** an accurate conclusion, you must have completed a thorough **evaluation**.

However, starting at lower order skills and stepping all the way through the entire taxonomy for each concept presented would become tedious for all involved! Instead start by considering the level of learners participating in the program:

1. First-Year Students? If so, many the learning outcomes may target the lower order Bloom's skills, because these students are building foundational knowledge. However, even in this situation strive to move a few of the objectives into the **applying** and **analyzing** level, but getting too far up in the taxonomy could create frustration and unachievable goals.
2. Graduating Seniors? If so, then **remembering** and **understanding** level objectives might be limiting. Advanced students should be able to master higher-order learning objectives. Too many lower level objectives might cause boredom or apathy.

Fortunately, there are tables to help identify which action verbs align with each level in Bloom's Taxonomy. One of these tables may be found on the following page. Using a verb table like the one on the next page will help avoid verbs that cannot be quantified, like: understand, learn, appreciate, or enjoy.



Example:

Students and parents will know what kinds of career services exist on campus after orientation.

Students and parents will be able to list three career exploration services available at the Career Center after participating in the Career Center session at Orientation.

Audience Behavior Condition Degree

After attending a financial aid session, students will be able to fill out the FAFSA form with no mistakes.

As a result of three meetings with an academic coach, students will be able to determine two study strategies that are appropriate for their learning style.

As result of participating in incident training, RA's will be able to identify the five major job responsibilities of being on call.

After participating in a leadership retreat, organization presidents will be able to accurately identify at least three tasks to complete themselves versus those to delegate to their executive board before their first spring semester planning meeting.

Program/Operational Outcomes

As stated previously, program, or operational, outcomes focus on what a program/service/activity is to do, achieve, or accomplish for improvement or to support SLOs. Operational outcomes are often related to administrative details, such as cost, resource acquisition, staff development, technology, etc.

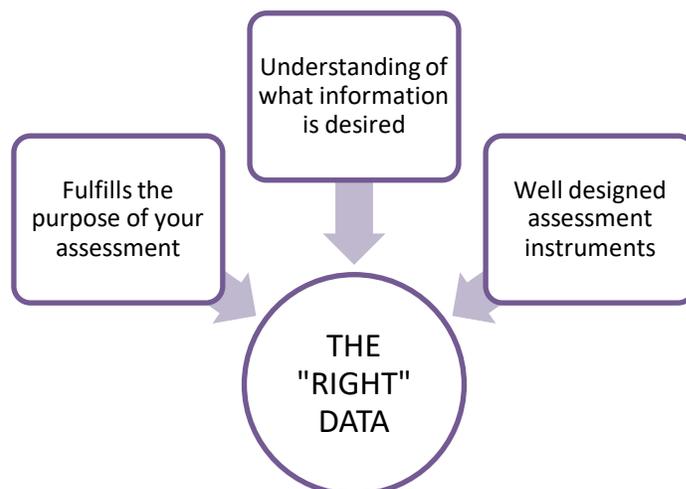
Operational outcomes follow the same format as SLOs and have similar components, it's just that the focus is shifted to what the program/service/activity is doing rather than what the participant is getting from the program/service/activity.

Example:

By the first day of class, 85% of FY students will have completed the CIRP Freshman Survey.

By the end of September, Quality Enhancement will have administered the New Student Programs Benchmarking Survey with a minimum sample size of 566.

Putting It All Together



ACKNOWLEDGEMENTS

A huge “thank you” to CampusLabs for providing much of the information in this guide. The Accreditation course provided a great framework and many of the resources in this text.