



# Creating Effective Student Outcomes

Creating student outcomes that guide experiences and assessment.

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**Warm-Up Activity:**

Respond to the following by placing your answer in the chat:

- What does “student outcome” mean to you?
- What does “assessment” mean to you?



# Workshop Outcomes

By the end of this workshop, participants will be able to:

- Describe the link between student outcomes and the assessment process.
- Create meaningful student outcomes that will focus student learning and assessment.



# Why Outcomes?

- Outcomes are the first step in the “official” assessment cycle.
  - Develop a common language
  - Help in planning
  - Inform others about expectations





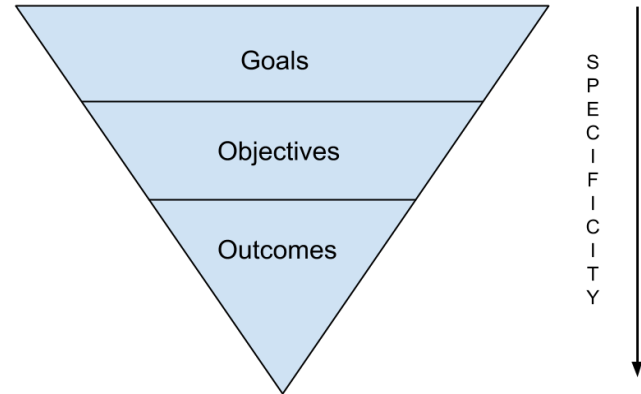
# Student Outcomes: Review

Student outcome or objective or goal?

- Goals focus on the overall expectation of the course or activity (course-centered)
- Objectives focus on the material covered (instructor-centered)
- Outcomes focus on knowledge and skills (student-centered)

But it doesn't start here.

- It starts with the Big Ideas.





# Student Outcomes: Big Ideas

## Big Ideas and Plan

- Describe the program/course/activity/experience to a partner (use your syllabus or any information you have as reference)
  - Topics, activities, assessments
- What will your partner (student) get out of the program/course/activity/experience after 10 weeks/a year/4 years?
  - What will they learn?
  - How will they grow and change?
  - How will they be transformed?



# Big Ideas to Outcomes

- Specify the level, criterion, or standard
- Use action verbs (Bloom's Taxonomy)
- Are directly measurable
- Single-barreled
- May include the conditions for demonstration

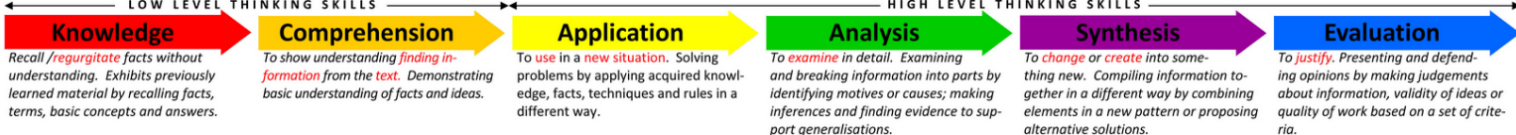
**Do not include a specific avenue for demonstration (leave it open)**

[Bloom's Taxonomy](#) and [How-To Create Effective Outcomes](#)



# Bloom's Taxonomy of Learning:

Refer to your  
handout copy



**Key words:**

Choose	Observe	Show
Copy	Omit	Spell
Define	Quote	State
Duplicate	Read	Tell
Find	Recall	Trace
How	Recite	What
Identify	Recognise	When
Label	Record	Where
List	Relate	Which
Listen	Remember	Who
Locate	Repeat	Why
Match	Reproduce	Write
Memorise	Retell	
Name	Select	

**Key words:**

Ask	Extend	Outline
Cite	Generalise	Predict
Classify	Give examples	Purpose
Compare	Relate	
Contrast	Illustrate	Rephrase
Demonstrate	illustrate	Report
Indicate	Restate	
Discuss	Infer	Review
Estimate	Interpret	Show
Explain	Match	Summarise
Express	Observe	Translate

**Key words:**

Act	Employ	Practice
Administer	Experiment	Relate
Apply	with	Represent
Associate	Group	Select
Build	Identify	Show
Calculate	Illustrate	Simulate
Categorise	Interpret	Solve
Choose	Interview	Summarise
Classify	Link	Teach
Connect	Make use of	Transfer
Construct	Manipulate	Translate
Correlation	Model	Use
Demonstrate	Organise	
Develop	Perform	
Dramatise	Plan	

**Key words:**

Analyse	Examine	Prioritize
Appraise	Find	Question
Arrange	Focus	Rank
Assumption	Function	Reason
Breakdown	Group	Relationships
Categorise	High-light	ships
Cause and effect	In-depth	Reorganise
Choose	discussion	Research
Choose	Inference	See
Classify	Inspect	Select
Differences	Investigate	Separate
Discover	Isolate	Similar to
Discriminate	List	Simplify
Dissect	Motive	Survey
Distinction	Omit	Take part in
Distinguish	Order	Test for
Divide	Organise	Theme
Establish	Point out	Comparing

**Key words:**

Adapt	Estimate	Plan
Add to	Experiment	Predict
Build	Extend	Produce
Change	Formulate	Propose
Choose	Happen	Reframe
Combine	Hypothesise	Revise
Compile	Imagine	Rewrite
Compose	Improve	Simplify
Construct	Innovate	Solve
Convert	Integrate	Speculate
Create	Invent	Substitute
Delete	Make up	Suppose
Design	Maximise	Tabulate
Develop	Minimise	Test
Devise	Model	Theorise
Discover	Modify	Think
Discuss	Original	Transform
Elaborate	Originate	Visualise

**Key words:**

Agree	Disprove	Measure
Appraise	Dispute	Opinion
Argue	Effective	Perceive
Assess	Estimate	Persuade
Award	Evaluate	Prioritise
Bad	Explain	Prove
Choose	Give reasons	Rate
Compare	Good	Recommend
Conclude	Grade	Rule on
Consider	How do we	Select
Convince	know?	Support
Criteria	Importance	Test
Criticise	Infer	Useful
Debate	Influence	Validate
Decide	Interpret	Value
Deduct	Judge	Why
Defend	Justify	Mark
Determine	Mark	

**Actions:**

Describing
Finding
Identifying
Listing
Locating
Naming
Recognising
Retrieving

**Outcomes:**

Definition
Fact
Label
List
Quiz
Reproduction
Test
Workbook
Worksheet

**Actions:**

Classifying
Comparing
Exemplifying
Explaining
Inferring
Interpreting
Paraphrasing
Summarising

**Outcomes:**

Collection
Examples
Explanation
Label
List
Outline
Quiz
Show and tell
Summary

**Actions:**

Carrying out
Executing
Implementing
Using

**Outcomes:**

Demonstration
Diary
Illustrations
Interview
Journal
Performance
Presentation
Sculpture
Simulation

**Questions:**

Can you list three ...?
Can you recall ...?
Can you select ...?
How did _____ happen?
How is ...?
How would you describe ...?
How would you explain ...?
How would you show ...?
What is ...?
When did ...?
When did _____ happen?
Where is ...?
Which one ...?
Who was ...?
Who were the main ...?
Why did ...?

**Questions:**

Can you explain what is happening ... what is meant ...?
How would you classify the type of ...?
How would you compare ...?contrast ...?
How would you rephrase the meaning ...?
How would you summarise ...?
What can you say about ...?
What facts or ideas show ...?
What is the main idea of ...?
Which is the best answer ...?
Which statements support ...?
Will you state or interpret in your own words ...?

**Questions:**

How would you use...?
What examples can you find to ...?
How would you solve _____ using what you have learned ...?
How would you organise _____ to show ...?
How would you show your understanding of ...?
What approach would you use to...?
How would you apply what you learned to develop ...?
What other way would you plan to ...?
What would result if ...?
Can you make use of the facts to ...?
What elements would you choose to change ...?
What facts would you select to show ...?
What questions would you ask in an interview with ...?

**Questions:**

What are the parts or features of ...?
How is _____ related to ...?
Why do you think ...?
What is the theme ...?
What motive is there ...?
Can you list the parts ...?
What inference can you make ...?
What conclusions can you draw ...?
How would you classify ...?
How would you categorise ...?
Can you identify the difference parts ...?
What evidence can you find ...?
What is the relationship between ...?
Can you make a distinction between ...?
What is the function of ...?
What ideas justify ...?

**Questions:**

What changes would you make to solve...?
How would you improve ...?
What would happen if...?
Can you elaborate on the reason...?
Can you propose an alternative...?
Can you invent...?
How would you adapt _____ to create a different...?
How could you change (modify) the plot (plan)...?
What could be done to minimise (maximise)...?
What way would you design...?
Suppose you could _____ what would you do...?
How would you test...?
Can you formulate a theory for...?
Can you predict the outcome if...?
How would you estimate the results for...?
What facts can you compile...?
Can you construct a model that would change...?
Can you think of an original way for the ...?

**Questions:**

Do you agree with the actions/outcomes...?
What is your opinion of...?
How would you prove/disprove...?
Can you assess the value/importance of...?
Would it be better if...?
Why did they (the character) choose...?
What would you recommend...?
How would you rate the...?
What would you cite to defend the actions...?
How would you evaluate ...?
How could you determine...?
What choice would you have made...?
What would you select...?
How would you prioritise...?
What judgement would you make about...?
Based on what you know, how would you explain...?
What information would you use to support the view...?
How would you justify...?
What data was used to make the conclusion...?

# Example Outcome: Effective or not?

1. *Understand the American criminal justice system*
2. *Describe the history of the American criminal justice system in terms of effective and ineffective practices.*

Understand is not a measurable verb, and it was too broad for a unit level objective. Therefore, we narrowed the focus





# Different Types of Outcomes

- **Learning Outcome**: Emphasis is on knowledge and/or ability gained.
  - *Students will be able to evaluate and rank soil types on their ability to promote citrus tree growth.*
  - *Students will be able to effectively utilize color and shape to unify compositions and support content.*
- **Process Outcome**: Emphasis is on implementation and consistency.
  - *150 students will attend the Resume builder workshops in total over the course of the academic year.*
  - *By the completion of the doctorate, each student will submit 5 times for peer-reviewed publication.*
- **Satisfaction Outcome**: Emphasis is on satisfaction or enjoyment.
  - *75% of student will be satisfied with the amount of feedback provided by his/her faculty member in a given course.*

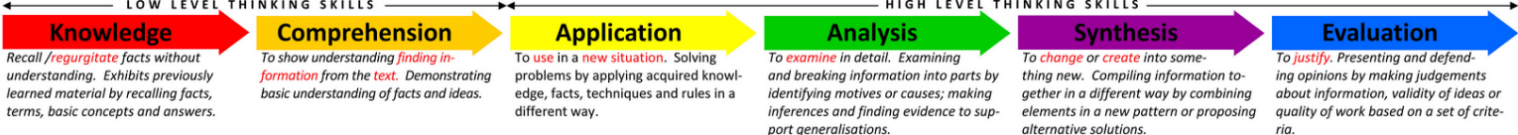
# Bloom's Taxonomy of Learning: Activity

1. Choose **one** of your Big Ideas or an outcome you already have from a program/course/activity/experience
2. Rewrite it to reflect the Highest Order Thinking Skill that is appropriate
3. Discuss your creation/revision with your workshop partner
4. Whole class discussion & reflection



# Bloom's Taxonomy of Learning:

Refer to your  
handout copy



**Knowledge**

*Recall /regurgitate facts without understanding. Exhibits previously learned material by recalling facts, terms, basic concepts and answers.*

Choose	Observe	Show
Copy	Omit	Spell
Define	Quote	State
Duplicate	Read	Tell
Find	Recall	Trace
How	Recite	What
Identify	Recognise	When
Label	Record	Where
List	Relate	Which
Listen	Remember	Who
Locate	Repeat	Why
Match	Reproduce	Write
Memorise	Retell	
Name	Select	

**Comprehension**

*To show understanding finding information from the text. Demonstrating basic understanding of facts and ideas.*

Ask	Extend	Outline
Cite	Generalise	Predict
Classify	Give examples	Purpose
Compare	Illustrate	Relate
Contrast	illustrate	Rephrase
Demonstrate	Indicate	Report
Discuss	Infer	Restate
Estimate	Interpret	Show
Explain	Match	Summarise
Express	Observe	Translate

**Application**

*To use in a new situation. Solving problems by applying acquired knowledge, facts, techniques and rules in a different way.*

Act	Employ	Practice
Administer	Experiment	Relate
Apply	with	Represent
Associate	Group	Select
Build	Identify	Show
Calculate	Illustrate	Simulate
Categorise	Interpret	Solve
Choose	Interview	Summarise
Classify	Link	Teach
Connect	Make use of	Transfer
Construct	Manipulate	Translate
Correlation	Model	Use
Demonstrate	Organise	
Develop	Perform	
Dramatise	Plan	

**Analysis**

*To examine in detail. Examining and breaking information into parts by identifying motives or causes; making inferences and finding evidence to support generalisations.*

Analyse	Examine	Prioritize
Appraise	Find	Question
Arrange	Focus	Rank
Assumption	Function	Reason
Breakdown	Group	Relationships
Categorise	High-light	ships
Cause and effect	In-depth	Reorganise
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Discriminate	List	Simplify
Dissect	Motive	Survey
Distinction	Omit	Take part in
Distinguish	Order	Test for
Divide	Organise	Theme
Establish	Point out	Comparing

**Synthesis**

*To change or create into something new. Compiling information together in a different way by combining elements in a new pattern or proposing alternative solutions.*

Adapt	Estimate	Plan
Add to	Experiment	Predict
Build	Extend	Produce
Change	Formulate	Propose
Choose	Happen	Reframe
Combine	Hypothesise	Revise
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Devise	Model	Theorise
Discover	Modify	Think
Discuss	Original	Transform
Elaborate	Originate	Visualise

**Evaluation**

*To justify. Evaluating and defending opinions by making judgements about information, validity of ideas or quality of work based on a set of criteria.*

Agree	Disprove	Measure
Appraise	Dispute	Opinion
Argue	Effective	Perceive
Assess	Estimate	Persuade
Award	Evaluate	Prioritise
Bad	Explain	Prove
Choose	Give reasons	Rate
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What judgement would you make about...?
Based on what you know, how would you explain...?
What information would you use to support the view...?
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# Student Outcomes: Circle Back

Creating Experiences that are Outcomes Based:

- Conceptualize the big ideas
- Reflect on existing outcomes/expectations
- Revise using Bloom's Taxonomy

Next Step: Mapping Student Experiences to Outcomes

# Thanks for participating!!



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