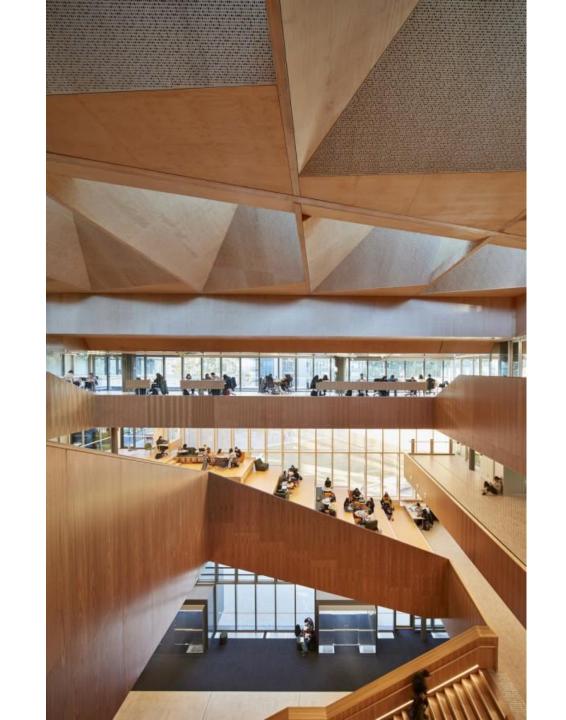


Who are we?

- Erin Leif
- Laura Alfrey
- Christine Grove
- Stella Laletas
- Umesh Sharma

 Faculty of Education at Monash University



Today

Background

Context

Practical and research-informed approaches for designing engaging and accessible online learning experiences

Background

The impact of online coach education on the inclusion and participation of individuals with ASD in sport

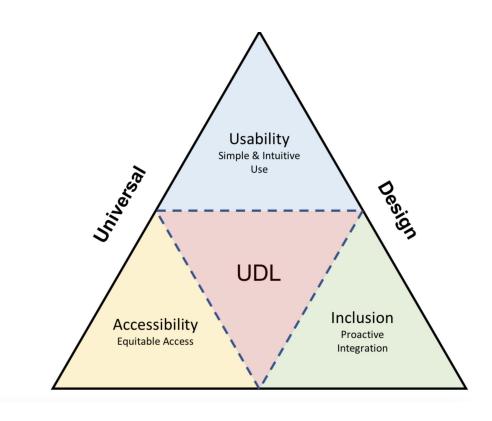
Quality Matters Continuing and Professional Education Rubric, Second Edition (www.qualitymatters.org)

Universal Design for Learning (UDL) Principles

Transgressive Concept of Inclusion (DeLuca, 2013)

Transgressive Inclusion (DeLuca)

- student diversity = generation of new knowledge
- stereotypic labelling of difference is limited
- provokes a multiplicity of practical and conceptual responses to inclusive education leading to more intentional practices, policies, curricula, and pedagogies.



Context

COVID-19 = rapid shift online

Policy and legislative requirements

Compounding existing challenges in tertiary education



Identified challenges

- Knowing where to get help or accommodations
- Problems with inaccessible technology
- Lack of personal relationships with lecturers
- Difficulty navigating the online learning environment

- Not knowing what to do each week – too unstructured
- Lack of opportunities to get to know classmates
- Feeling like course content lacks purpose or is not pitched at the right level

Online learning has left students dissatisfied

A The Age

Uni students with disabilities say remote learning must improve

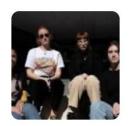
University students with disabilities say they are struggling to access online resources and the problem has become worse since the rise of ...

16 Aug 2020



'COVID is being used as an excuse': Sydney's uni students are losing patience with online learning

Universities are struggling to keep students engaged as they protest against ... and learning experience of Australian students," he told a Universities ... We are transitioning away from online, but it is going to be difficult to ... 4 weeks ago



University World News

Faculty need policies for quality assurance of online learning

She said that, at her university, in addition to training and support for faculty, to transition online required something more. "We learned that you ...

1 day ago



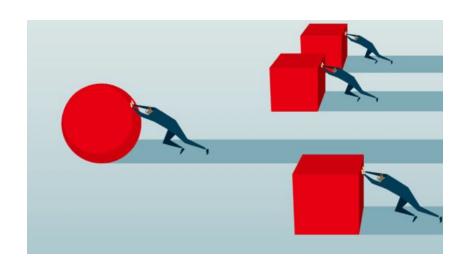
College Students Ask: What's Up With My 'Ghost Professor?'

California's regulations require distance learning instructors to have ... San Antonio College trains it's faculty in best practices to teach online.

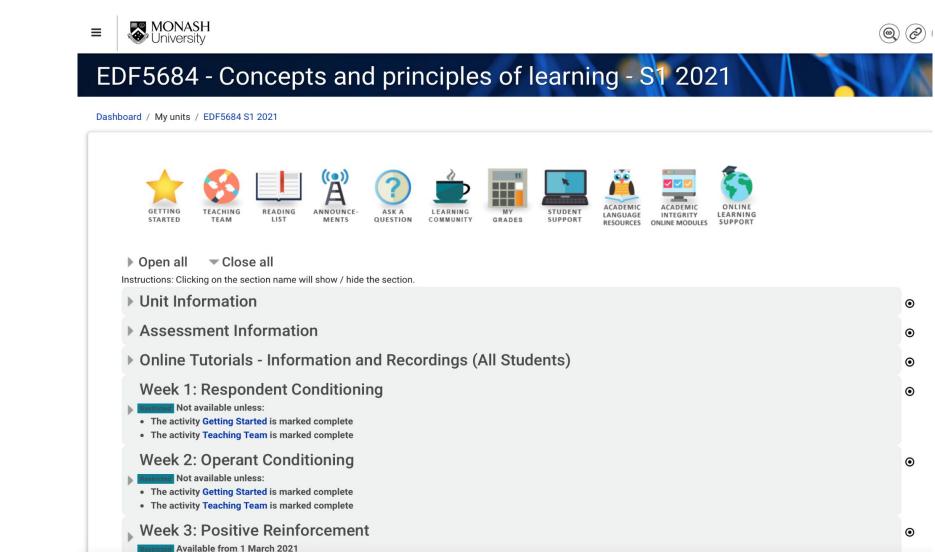
2 weeks ago



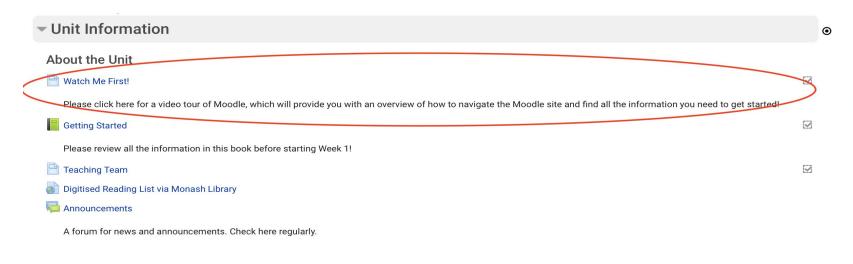
Let's talk about how to overcome these challenges!

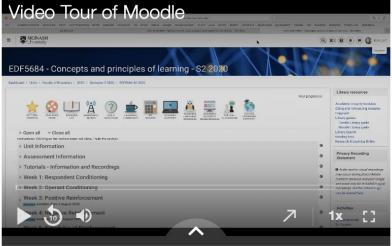


Step 1: Create a clear and consistent unit structure



Step 2: Ensure students are welcomed into the unit and are provided with an induction





Example - The Getting Started Book

Getting Started

Please review all the information in this book before starting Week 1!

◄ Previous: Important Information About This Unit

Next: Learning Objectives for EDF5684 ▶

What Should You Be Doing Each Week?

Each week will provide a specific number of hours of direct instruction aligned to the Behaviour Analyst Certification Board's 5th Edition Task List. Every activity can be completed on your own time. However, we will offer a synchronous online tutorial each week in the virtual classroom for online students who want live interaction with the teaching team, and an on-campus workshop for flexible students. To complete the activities for the week, please do the following:

- First, review the learning objectives for the week, along with the key terms and definitions and links to the BACB 5th Edition Task List
- Then, read the assigned chapters and articles (pre-class activities). This is part of your independent study time
- Next, complete the activities in the Learning Activities Book. This will include a mix of text content, video lectures, video clips, interactive knowledge checks, and links to online blogs, articles, and resources. Make sure you complete each knowledge check to 100% accuracy!
- Attend the 1 hour synchronous tutorial for the week (or watch the recording at a later date)
- Finally, review and complete the post class activity. This may involve participating in a discussion forum that is moderated by an instructor, or completing a post class quiz to at least 80% accuracy within a specified time limit (however, you have unlimited attempts to complete the quiz)

A note about discussion forums - In the past, students have generally reported that they dislike discussion forums. However, we want to ensure that you have the opportunity to engage with your classmates and instructors, even though the unit is largely online. The purpose of the discussion forums is to give you the opportunity to respond to a question, scenario, or problem that is directly related to the assessment task. Participating in the forums will help you formulate ideas around completing your assessment. In addition, you will have the opportunity to learn from your classmates and instructor, being reviewing their responses and feedback. Your responses in the forums are not marked, and they certainly don't have to be perfect! If you are unsure about your response or have questions, please say so! It is a great opportunity to solicit feedback from your peers, and we hope you find the activity enjoyable and beneficial.



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Getting Started
Important Information About This
Unit

Weekly Tasks

Started!

Learning Objectives for EDF5684
Textbooks and Reading List
Important Information About
Being a Student of Behaviour
Analysis
Familiarise Yourself and Get

Example - Unit Level Learning Objectives

Learning Objectives for EDF5679

Upon successful completion of this unit, you should be able to:

- 1. Design and use the full range of functional assessment procedures
- 2. Organise, analyse, and interpret the results of functional behaviour assessments
- 3. Identify potential interventions based on assessment results and the best available scientific evidence
- 4. Recommend intervention goals and strategies based on such factors as client preferences, supporting environments, risks, constraints, and social validity
- 5. Make data-based decisions about the effectiveness of teaching and the need for teaching revision
- 6. Use procedures to promote maintenance and generalisation of behaviour change



Example - Last Page of the Getting Started Book

Getting Started



◆ Previous: Textbooks and Reading List

Exit book A

Familiarise Yourself

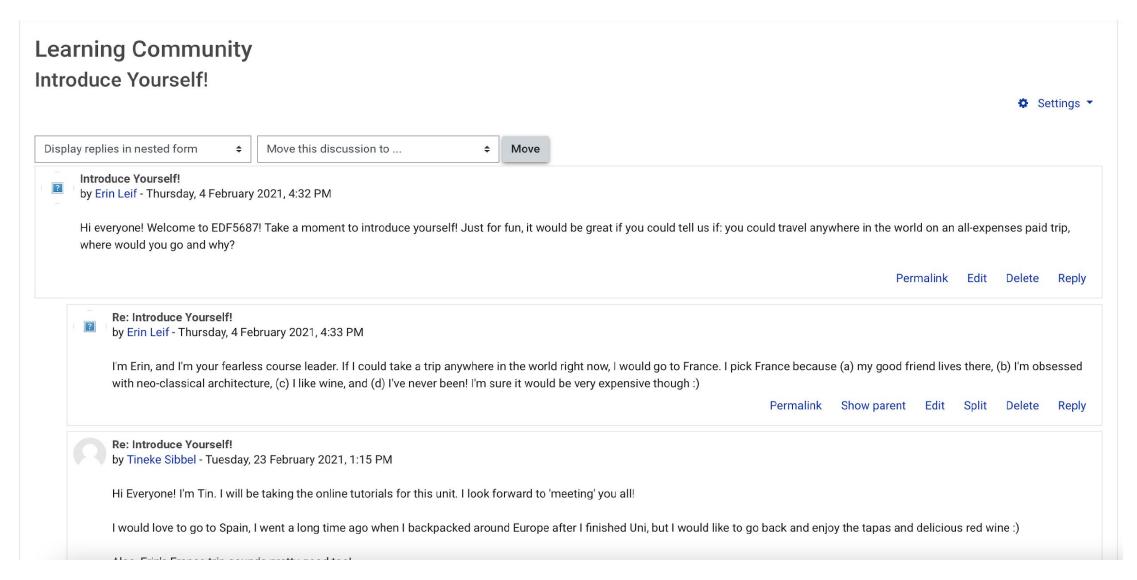
Now, it is time to explore the materials in this unit. In the upper-middle panel of your unit homepage, review the contents of each icon. More specifically, you should:

- 1. Read the Announcements Forum for any notices posted by your instructor.
- 2. Familiarise yourself with the Teaching Team
- 3. Read the "Who Do I Ask?" document for information about who to contact with questions and concerns about various aspects of the unit.
- 4. Make sure you can access the Reading List, prepared by the library.
- 5. Check the Ask a Question Forum, and post any questions you have throughout the semester here
- 6. Introduce yourself in the Learning Community forum
- 7. Begin working through the Week 1 content!

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Getting Started
Important Information About This
Unit
Weekly To-Do List
Unit Learning Objectives
Textbooks and Reading List
What Should I Do First?

Example - The Learning Community Forum



Step 3: Set up each week the same way

Week at a Glance

An FBA involves systematically analysing the relation, or interaction, between a person's behaviour and the environment. However, 'environment' is a broad term, and encompasses may things! Some aspects of the external environment are readily observable. We can easily look at the physical space that the person is in, the way others react to the behaviour of concern, the tasks and activities that are presented to the person, and the interaction between the person and others in the environment. However, we also must consider the person's internal environment, which is not directly observable. The internal environment includes biology, physiology, and private events like thoughts and emotions. This week, we will discuss how to consider aspects of the person's external and internal environments as part of the FBA process.

Learning objectives for this week



- 1. Describe three important considerations for assessing the environment, as part of a functional behaviour assessment
- 2. Describe two ways that biological or medical variables influence behaviour
- 3. Describe two ways that thoughts and emotions influence behaviour
- 4. Describe and provide examples of the eight components of the behaviour analytic problem solving model (BAPS)

Upon completion of this topic, you should be able to define the following terms:

- Executive Skills
- 2. Context
- 3. Personal Characteristics
- 4. Skill Deficit
- 5. Motivating Operations
- 6. Sources of Reinforcement
- 7. Reinforcing Consequences
- 8. Parameters of Reinforcement



Example - List the pre-class activities

Pre-Class Activities

Please read the following before completing the class activities.

Primary Readings:

- 1. Steege, M. W., Pratt, J. L., Wickerd, G., Guare, R., & Watson, T. S. (2019). *Conducting school-based functional behavioral assessments: A practitioner's guide*. Guilford Publications.
 - 1. Chapter 7: Indirect Functional Behaviour Assessment
- 2. O'Neill, R. E., Albin, R. W., Horner, R. H., Storey, K., & Sprague, J. R. (2014). *Functional assessment and program development*. Nelson Education.
 - 1. Chapter 2: Functional Assessment and Analysis Strategies, pages 13-40
 - 2. Appendix B
 - 3. Appendix C



Supplemental Readings:

- 1. Fryling, M. J., & Baires, N. A. (2016). The practical importance of the distinction between open and closed-ended indirect assessments. *Behavior analysis in practice*, *9*(2), 146-151.
- 2. Greene, R. W. (2016). Lost & Found: Helping behaviorally challenging students. Jossey-Bass
 - 1. Chapter 4: The Alsup
- 3. Ayre, K., & Krishnamoorthy, G. (2020). *Trauma informed behaviour support: a practical guide to developing resilient learners*. USQ Pressbooks, Toowoomba, Australia.
 - 1. Part 2 Section 1: Disruptive Student Behaviour
 - 2. Part 2 Section 2: Behaviourism and Applied Behaviour Analysis
 - 3. Part 2 Section 3: Positive Behaviour Support

Step 4: Align learning objectives to weekly learning activities

- Students are provided with a set of asynchronous online learning activities directly aligned to the weekly learning objectives
- Interactive lessons are meant to replicate the teaching methods that would commonly be delivered in a face-to-face classroom
- Consist of a series of video recorded lectures interspersed with active learning activities, presented to students in 'Books' divided into 'Chapters'

Example - Create your online class activities



Class Activities



Week 3 - Learning Activities Book



Knowledge Check #1: Purpose and Benefits of Indirect Assessments

- 1 34 of 38 attempted
- Knowledge Check #2: Open- and Closed-Ended Indirect Assessments
 - 33 of 38 attempted
- FBA Toolkit Record Review Forms
- FBA Toolkit Open-Ended Indirect Assessments
- FBA Toolkit Closed Ended Indirect Assessments

Example - The Learning Activities book

Week 3 - Learning Activities Book

2. Learning Objective Two: Compare and contrast open- and closed-ended indirect assessments, and provide an example of each



Indirect assessments do not involve any direct observation of behaviour, take many forms including interviews, questionnaires, and records reviews, and result in reports regarding the variables responsible for behaviours of concern. Closed-ended indirect assessments, such as the Motivation Assessment Scale (Durand, & Crimmins, 1985), yield information regarding the possibility of behaviour maintenance via one of the three generic contingencies described above (they answer questions like, "Is the behavior maintained by attention?"). Closed-ended indirect functional assessments have been shown to be highly unreliable, and without adequate reliability, questions regarding their ability to accurately determine behavioural function are moot. Their use may be widespread, but their utility has never been adequately demonstrated. Open-ended indirect assessments (like interviews) can also identify generic controlling contingencies, but because they include questions like, "What do you do to calm your son when he engages in self-injury?" they also provide qualitatively rich information regarding unique variables which may relevant to the maintenance of the behaviour of concern. These unique variables can then be evaluated further to demonstrate the relation between the behaviour of concern and some idiosyncratic event. For instance, in an open-ended interview to identify the function of pica (i.e., ingestion of inedible items) exhibited by an adolescent girl with autism, Piazza et al. (1998) discovered that this girl's parents often provided her with soft drink to encourage her to expel items she had just consumed (e.g., the car keys). The results of the open-ended interview informed the design of her unique analysis and treatment.



In this video, we will take a closer look at different types of open and closed-ended indirect assessments, and the pros and cons of these assessment formats:





Please complete this short knowledge check to assess your understanding of open- and closed-ended indirect assessments:

Knowledge Check #2: Open- and Closed-Ended Indirect Assessments

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- Learning Objective One:
 Describe the purpose of an indirect assessment, and when it would be used
- 2. Learning Objective Two: Compare and contrast open- and closed-ended indirect assessments, and provide an example of each
- 3. Learning Objective Three: Interpret the results of common indirect assessments

Example – Chapter titles

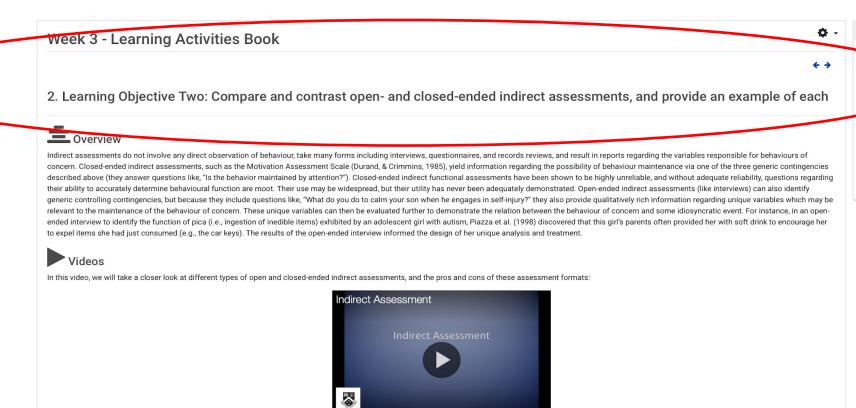


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Learning Objective One:
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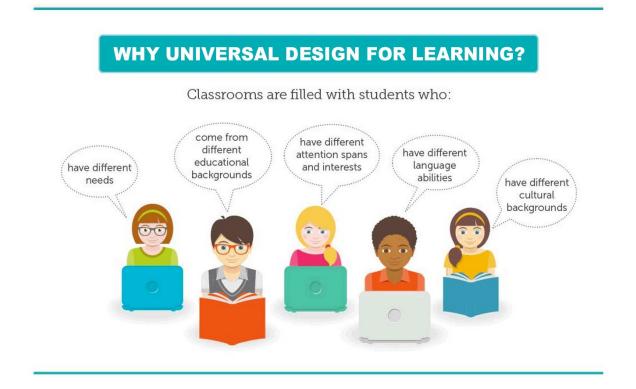
Knowledge Checks

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Knowledge Check #2: Open- and Closed-Ended Indirect Assessments

Step 5: Create active student learning activities, using the principles of Universal Design for Learning!

- UDL is a way of thinking about teaching and learning that helps give all students an equal opportunity to succeed
- Offers flexibility in the ways students access material, engage with it and show what they know
- Developing Education this way helps all students, but it may be especially helpful for students with learning and thinking differences



UDL is just an 'ed' thing...



UDL is not a special ed thing or even a general ed thing.

It's just an ed thing.

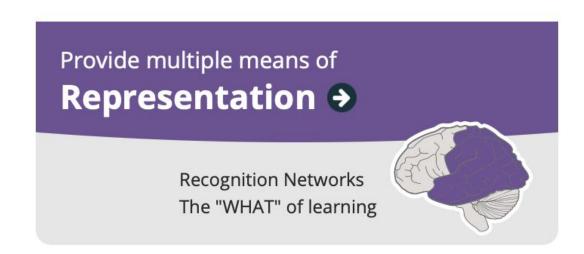
It is a way to connect every student to the learning experience, and a way at looking at learning that is fully inclusive and promotes success for all learners, regardless of ability.

Mike Marotta

Source: Tips, tricks and tools to build your inclusive classroom through UDL \nearrow

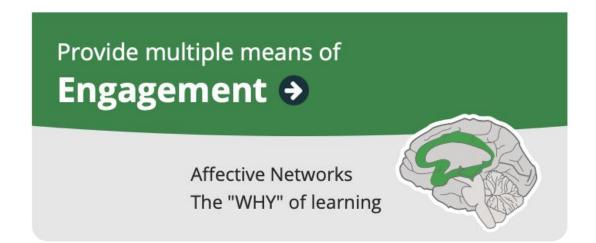
Principle of UDL #1

- Example:
 - A textbook chapter
 - A video lecture
 - A TED talk
 - A blog post
 - A graphic
 - A link to a website



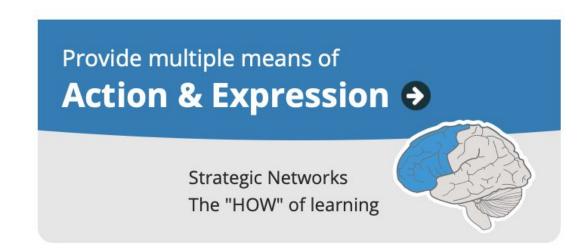
Principle of UDL #2

- Example:
 - A knowledge check
 - A quiz
 - A discussion forum activity
 - A reflection
 - A wiki activity
 - A group task
 - A component of the assessment task



Principle of UDL #3

- Example:
 - Writing
 - Talking
 - Practicing
 - Designing
 - Critically analyzing
 - Questioning
 - Reflecting
 - Linking



Example – Constructive Alignment

Week 3 - Learning Activities Book





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- 2. Learning Objective Two: Compare and contrast open- and closed-ended indirect assessments, and provide an example of each
- 3. Learning Objective Three: Interpret the results of common indirect assessments

Step 6: Engage with your students in multiple ways – synchronous online activities

- Weekly synchronous tutorials
 - We use polling and group discussion to provide students with the opportunity to actively respond and the teaching team with the opportunity to (a) gauge student understanding of the material and (b) present additional Education if needed

Step 6: Engage with your students in multiple ways – discussion forums

- Post-class discussion forums
 - (a) allow the teaching team to gauge understanding in students who may not have otherwise indicated that they were confused
 - (b) gives students the opportunity to teach material to each other, which requires that they define, synthesise, and relate the material that is being discussed
 - (c) gives students the opportunity to prepare for the assessment tasks

Step 6: Engage with your students in multiple ways – Moodle progress trackers

- Moodle analytics and completion settings on Moodle
 - We teach students how to use their Moodle 'progress trackers' to self-monitor their completion of the online learning activities on Moodle
 - We review the progress trackers at specific points throughout the semester, and check in on students who appear to be falling behind or who are not showing evidence of active engagement with the unit content

Step 7: Design with accessibility in mind from the start

A few top tips

- Ensure the navigation is logical
- Use clear and descriptive section headers
- Ensure images have alternative text
- Ensure videos have captions/transcripts
- Don't use text colour to convey meaning
- Don't upload scanned documents. Do upload accessible word docs, PPT slide decks, and PDFs

Brickfield Accessibility Toolkit – Now available with Moodle!

- A Moodle plugin, that allows you to:
 - Detect and fix accessibility problems
 - Bulk update alt text, video captions, and missing text for weblinks
 - Provide accessible file formats
 - Fix issues with HTML tags
 - Run reports and gain insights
 - https://www.brickfield.ie/brickfield-accessibility-toolkit/



THANK YOU

Questions?

ERIN.LEIF@MONASH.EDU @DrErinLeif LAURA.ALFREY@MONASH.EDU @LauraAlfrey