



# EDST8302

## Educational Assessment

Session 2, Fully online/virtual 2021

*Macquarie School of Education*

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#### **Disclaimer**

Macquarie University has taken all reasonable measures to ensure the information in this publication is accurate and up-to-date. However, the information may change or become out-dated as a result of change in University policies, procedures or rules. The University reserves the right to make changes to any information in this publication without notice. Users of this publication are advised to check the website version of this publication [or the relevant faculty or department] before acting on any information in this publication.

#### **Session 2 Learning and Teaching Update**

The decision has been made to conduct study online for the remainder of Session 2 for all units WITHOUT mandatory on-campus learning activities. Exams for Session 2 will also be online where possible to do so.

This is due to the extension of the lockdown orders and to provide certainty around arrangements for the remainder of Session 2. We hope to return to campus beyond Session 2 as soon as it is safe and appropriate to do so.

Some classes/teaching activities cannot be moved online and must be taught on campus. You should already know if you are in one of these classes/teaching activities and your unit convenor will provide you with more information via iLearn. If you want to confirm, see the list of [units with mandatory on-campus classes/teaching activities](#).

Visit the [MQ COVID-19 information page](#) for more detail.

## General Information

Unit convenor and teaching staff

Lecturer and tutor

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9 am - 5 pm Monday - Friday

Rauno Parrila

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Credit points

10

Prerequisites

Admission to MTeach(Prim) or MTeach(Sec) or MEd or GradCertEd or MEdLead or MHEd or GradCertHEd or MEChild or GradCertEChild or MTeach(0-5) or GradCertClinEdSim or MIndigenousEd or GradDipIndigenousEd or GradDipChildLit or MChildLit

Corequisites

Co-badged status

Unit description

This unit is designed as an introduction to the technical dimensions of educational assessment, measurement, and evaluation. The aim of this unit is to equip teachers and higher education academics with assessment, measurement, and evaluative skills in order to meet the ever increasing demands on teachers and lecturers to use assessment data to enhance learning. Educators today are expected to collect, compile, and analyse assessment data in order to inform teaching, to facilitate the planning of syllabuses, and to evaluate programs of work. In order to meet these needs, this unit introduces the fundamental principles of assessment, the basic mathematics of educational measurement, and models of learning program evaluation.

## Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at <https://www.mq.edu.au/study/calendar-of-dates>

## Learning Outcomes

On successful completion of this unit, you will be able to:

**ULO1:** Apply knowledge of the technical dimensions of assessment to evaluate assessment tasks and strategies.

**ULO2:** Critically appraise and apply the mathematics of educational measurement to interpret and report learner performance on a variety of assessments, state and national tests and large-scale standardised assessment programs.

**ULO3:** Identify various sources of educational data and examine techniques for analysing and interpreting qualitative and quantitative data.

**ULO4:** Utilise current theoretical models of educational evaluation to strategically plan, facilitate and critically assess school learning programs using a variety of educational data.

## General Assessment Information

### Assessment Presentation and Submission Guidelines

Please follow these guidelines when you submit each assignment:

- Allow a left and right-hand margin of at least 2cm in all assignments.
- Please type all assignments using 12-point font and 1.5 spacing.
- All assessments must be submitted through Turnitin in .doc or .pdf format
- It is the responsibility of the student to ensure that all assessments are successfully submitted through Turnitin.
- Faculty assignment cover sheets are NOT required.

### Draft Submissions & Turnitin Originality Reports

- Students may use Turnitin's Originality Report as a learning tool to improve their academic writing if this option is made available in the unit.
- Students are strongly encouraged to upload a draft copy of each assessment to Turnitin at least one week prior to the due date to obtain an Originality Report.
- The Originality Report provides students with a similarity index that may indicate if plagiarism has occurred. Students will be able to make amendments to their drafts prior to their final submission on the due date.
- Generally, one Originality Report is generated every 24 hours up to the due date.

### Please note:

- Students should regularly save a copy of all assignments before submission,
- Students are responsible for checking that their submission has been successful and has been submitted by the due date and time.

### Assignment extensions and late penalties

- In general, there should be no need for extensions except through illness or misadventure that would be categorised as serious and unavoidable disruption according to the University definition of same, see: <https://students.mq.edu.au/study/my-study-program/special-consideration>
- Applications for extensions must be made via AskMQ according to the Special Consideration policy. Extensions can only be granted if they meet the Special Considerations policy and are submitted via <https://ask.mq.edu.au/>. This will ensure consistency in the consideration of such requests is maintained.
- Late submissions: Unless a Special Consideration request has been submitted and approved, (a) a penalty for lateness will apply - 10/100 marks of credit (10% of the total assessment weighting) will be deducted per day for assignments submitted after the due date – and (b) no assignment will be accepted seven days (incl. weekends) after the original submission deadline. No late submissions will be accepted for timed assessment - e.g. quizzes, online tests. A zero result for the assignment will be recorded after the late submission period has ended if no task has been received.
- If a student is still permitted to submit on the basis of unavoidable disruption, an alternative topic may be set.
- Students should keep an electronic file of all assessments. Claims regarding "lost" assessments cannot be made if the file cannot be produced. It is also advisable to keep an electronic file of all drafts and the final submission on a USB untouched/unopened after submission. This can be used to demonstrate easily that the assessment has not been amended after the submission date.

### **Requesting a re-assessment of an assignment**

If you have **evidence** that your task has been incorrectly assessed against the grade descriptors you can request a re-mark. To request a re-mark you need to contact the unit convenor within **7 days** of the date of return of the assignment and provide **a detailed assessment of your script against the task criteria**. Evidence from your assignment must be provided to support your judgements.

Note:

- Please do not request a re-mark for a Failed assessment as they are all double-marked as a part of the moderation process.
- The outcome of a re-mark may be a **higher/lower or unchanged grade**.
- Grades are *standards referenced* and effort is NOT a criterion.

### **Quiz Assessments**

Online quizzes are an individual assessment task and **MUST BE COMPLETED by each**

**student individually.** Similarities in responses between students will be checked and investigated for possible collusion. Please see the Academic Honesty Handbook for more information.

### **University policy on grading**

#### **Criteria for awarding grades for assessment tasks**

Assignments will be awarded grades ranging from HD to F according to guidelines set out in the University's Grading Policy. The following descriptive criteria are included for your information.

#### **Descriptive Criteria for awarding grades in the unit**

In order to meet the unit outcomes and successfully pass this unit, students must make a genuine attempt at all assessment tasks. Where any submitted assessment task is considered to be unsatisfactory in this regard, the highest possible final grade that can be awarded for the unit will be 45.

Students will be awarded grades ranging from HD to F according to guidelines set out in the policy: <https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policies/assessment-in-effect-from-session-2-2016>

The following generic grade descriptors provide university-wide standards for awarding final grades.

Grade	Descriptor
HD (High Distinction)	Provides consistent evidence of deep and critical understanding in relation to the learning outcomes. There is substantial originality and insight in identifying, generating and communicating competing arguments, perspectives or problem solving approaches; critical evaluation of problems, their solutions and their implications; creativity in application as appropriate to the discipline.
D (Distinction)	Provides evidence of integration and evaluation of critical ideas, principles and theories, distinctive insight and ability in applying relevant skills and concepts in relation to learning outcomes. There is demonstration of frequent originality in defining and analysing issues or problems and providing solutions; and the use of means of communication appropriate to the discipline and the audience.
Cr (Credit)	Provides evidence of learning that goes beyond replication of content knowledge or skills relevant to the learning outcomes. There is demonstration of substantial understanding of fundamental concepts in the field of study and the ability to apply these concepts in a variety of contexts; convincing argumentation with appropriate coherent justification; communication of ideas fluently and clearly in terms of the conventions of the discipline.
P (Pass).	Provides sufficient evidence of the achievement of learning outcomes. There is demonstration of understanding and application of fundamental concepts of the field of study; routine argumentation with acceptable justification; communication of information and ideas adequately in terms of the conventions of the discipline. The learning attainment is considered satisfactory or adequate or competent or capable in relation to the specified outcomes
F (Fail)	Does not provide evidence of attainment of learning outcomes. There is missing or partial or superficial or faulty understanding and application of the fundamental concepts in the field of study; missing, undeveloped, inappropriate or confusing argumentation; incomplete, confusing or lacking communication of ideas in ways that give little attention to the conventions of the discipline.

Note: *If you fail a unit with a professional experience component, the fail grade will be on your transcript irrespective of the timing of the placement.*

### **Withdrawing from this unit**

If you are considering withdrawing from this unit, please seek academic advice via <https://ask.mq.edu.au> before doing so as this unit may be a co-requisite or prerequisite for units in the following sessions and may impact on your progression through the degree.

### **Results**

Results shown in iLearn, or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in [eStudent](#). For more information visit [ask.mq.edu.au](https://ask.mq.edu.au).

## **Assessment Tasks**

Name	Weighting	Hurdle	Due
<a href="#">Final Examination</a>	40%	No	During the exam period
<a href="#">A written report in three parts using educational data (2500 words).</a>	40%	No	23:59 08/10/2021
<a href="#">Quizzes</a>	20%	No	23:59 13/08/2021; 27/08/2021; 10/09/2021; 05/11/2021

### **Final Examination**

Assessment Type <sup>1</sup>: Examination

Indicative Time on Task <sup>2</sup>: 30 hours

Due: **During the exam period**

Weighting: **40%**

Examination (2 hours) (MC, short answer, and open-ended response)

On successful completion you will be able to:

- Apply knowledge of the technical dimensions of assessment to evaluate assessment tasks and strategies.
- Critically appraise and apply the mathematics of educational measurement to interpret and report learner performance on a variety of assessments, state and national tests and

large-scale standardised assessment programs.

- Identify various sources of educational data and examine techniques for analysing and interpreting qualitative and quantitative data.

## A written report in three parts using educational data (2500 words).

Assessment Type <sup>1</sup>: Case study/analysis

Indicative Time on Task <sup>2</sup>: 30 hours

Due: **23:59 08/10/2021**

Weighting: **40%**

In this assignment students are required to write a report on a fictional school or Higher Education department using NAPLAN or Higher Education data. In part 1 (500 words) students will interpret, analyse and compare a data set with normative educational data. In Part 2 (1000 words), students will determine a specific issue which is identifiable in the data (e.g., poor attendance of students, boys not making benchmarks in reading etc.). Students will then review current empirical research on the factors relating to the chosen issue. In Part 3 (1000 words), students will outline a proposal (a list of recommendations) which are aimed at resolving the chosen issue and improving the outcomes of students. This will include an evaluation plan using the Logic Plan to assess the effectiveness of the plan to improve learning outcomes.

On successful completion you will be able to:

- Apply knowledge of the technical dimensions of assessment to evaluate assessment tasks and strategies.
- Critically appraise and apply the mathematics of educational measurement to interpret and report learner performance on a variety of assessments, state and national tests and large-scale standardised assessment programs.
- Identify various sources of educational data and examine techniques for analysing and interpreting qualitative and quantitative data.
- Utilise current theoretical models of educational evaluation to strategically plan, facilitate and critically assess school learning programs using a variety of educational data.

## Quizzes

Assessment Type <sup>1</sup>: Quiz/Test

Indicative Time on Task <sup>2</sup>: 20 hours

Due: **23:59 13/08/2021; 27/08/2021; 10/09/2021; 05/11/2021**

Weighting: **20%**

Fortnightly quizzes will be run online (in iLearn). The questions will be MC, short answer, and open-ended response. The quizzes will test knowledge and skills developed in the lectures and tutorials.

On successful completion you will be able to:

- Apply knowledge of the technical dimensions of assessment to evaluate assessment tasks and strategies.
- Critically appraise and apply the mathematics of educational measurement to interpret and report learner performance on a variety of assessments, state and national tests and large-scale standardised assessment programs.
- Identify various sources of educational data and examine techniques for analysing and interpreting qualitative and quantitative data.
- Utilise current theoretical models of educational evaluation to strategically plan, facilitate and critically assess school learning programs using a variety of educational data.

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<sup>1</sup> If you need help with your assignment, please contact:

- the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
- the [Writing Centre](#) for academic skills support.

<sup>2</sup> Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation

## **Delivery and Resources**

### **Required and recommended texts**

There is no set text for this subject. Readings are available through Leganto.

### **Information about the unit iLearn site**

This unit has a full web presence through *iLearn*.

Students will need regular access to a computer and the Internet to complete this unit.

Weekly access to iLearn is compulsory for all students. Important assessment information will be posted here, as will other relevant unit notices and materials, including a reading template and guide to lecture note taking to assist your studies.

Various activities and materials for discussion and critical reflection are included and external students especially are encouraged to use this web component. Electronic links and suggested references will be included in the Resources section. Please check the iLearn unit regularly.



Weekly lectures are available on the web through the ECHO360 lecture component. You must listen to all lectures if you do not attend these 'live'.

PowerPoint slides are available in iLearn in advance of the weekly lecture and/or are available in the Active Learning Tool.

### **Access and technical assistance**

Information for students about access to the online component of this unit is available at <https://ilearn.mq.edu.au/login/index.php>. You will need to enter your student username and password.

Please do **NOT** contact the Unit Convenor regarding *iLearn* technical help.

No extensions will be given for any technical issues. Allow enough time for your submissions.

Assistance is available from IT Helpdesk ph: 1800 67 4357, or log a request at [help.mq.edu.au](http://help.mq.edu.au). OneHelp is the online IT support service for both students and staff.

### **This unit requires students to use several ICT and software skills:**

- **Internet access:** The iLearn site contains materials for this unit; it is also required for the online submission of all Assessment Tasks, and for the use of Turnitin submission for ALL tasks.
- **Word processing, visual representations, and document formatting:** You are required to use an appropriate form of software to present your assignments.
- **Uploading** of assessment tasks to **iLearn**.

### **Structure**

The unit comprises one two-hour lecture and a two-hour tutorial each week. In the tutorial students will discuss issues and questions arising from the lectures and prescribed readings. They are expected to base their arguments/discussions on evidence from published research and other relevant material. There will be a supporting website for the unit providing additional readings, links and materials. Lectures will also be available through Echo in iLearn from the following website link: <http://ilearn.mq.edu.au>

Students are required to participate in small group activities, whole class discussion, to read the weekly material in advance, and to complete brief tasks either as individuals or in pairs. The weekly program for the course with the accompanying readings/ preparation is available on the following pages or on the unit iLearn site.

## **Unit Schedule**

Wk	Week Start	Lecture	Tutorial Topic	Reading
1	July 26	Introduction Principles of assessment	Principles of assessment/current research and trends	1. Unit guide 2. Shepard, L. A. (2000). The role of assessment in a learning culture. <i>Educational Researcher</i> , 29(7), 4–14.

2	Aug 2	Mathematics of measurement 1	The basic mathematics of measurement theory and how it can be applied to educational data part 1.	<p>1. Reynolds, C. R., Livingston, R. B., &amp; Willson, V. (2009). <i>Measurement and assessment in education</i>. Pearson: US. Chapter 2.</p> <p>Wright, B. D. (1997). A history of social science measurement. <i>Educational Measurement: Issues &amp; Practices</i>, 33 – 45.</p>
3	Aug 9 <b>Quiz 1</b> <b>due Friday 13th August</b>	Mathematics of measurement 2	The basic mathematics of measurement theory and how it can be applied to educational data part 2.	Reynolds, C. R., Livingston, R. B., & Willson, V. (2009). <i>Measurement and assessment in education</i> . Pearson: US. Chapter 6.
4	Aug 16	Reliability	Reliability of assessments for teachers	Reynolds, C. R., Livingston, R. B., & Willson, V. (2009). <i>Measurement and assessment in education</i> . Pearson: US. Chapter 4.
5	Aug 23 <b>Quiz 2</b> <b>due Friday 27th August</b> <b>On campus day 1</b> <b>28th August</b>	Validity	Validity of assessments for teachers	Reynolds, C. R., Livingston, R. B., & Willson, V. (2009). <i>Measurement and assessment in education</i> . Pearson: US. Chapters 5.
6	Aug 30	Standardised Testing	Standardised tests & testing/ NAPLAN	Reynolds, C. R., Livingston, R. B., & Willson, V. (2009). <i>Measurement and assessment in education</i> . Pearson: US. Chapter 3.
7	Sept 6 <b>Quiz 3</b> <b>due Friday 10th September</b>	Quantitative & qualitative data	Interpreting and using quantitative and qualitative data	<p>1. Shaddock, A. (2014). <i>Using data to improve learning</i>. ACER Press: Victoria. Chapter 3 &amp; 8.</p> <p>2. Matters, G. (2006). <i>Using Data to Support Learning in Schools Students, teachers, systems</i>. Australian Council for Educational Research. p. 1 – 14.</p>
	Sep 13			Recess/ school holidays
	Sep 20			Recess/ school holidays

8	Sept 27	Evaluation and marking	Evaluation of educational programs/ Marks and grading	<p>1. Frye, A. W., &amp; Hemmer, P. A. (2012) Program evaluation models and related theories: AMEE Guide No. 67, <i>Medical Teacher</i>, 34(5), e288-e299,</p> <p>DOI: <a href="https://doi.org/10.3109/0142159X.2012.668637">10.3109/0142159X.2012.668637</a></p> <p>1. Reynolds, C. R., Livingston, R. B., &amp; Willson, V. (2009). <i>Measurement and assessment in education</i>. Pearson: US. Chapter 11.</p>
9	Oct 4 Labour Day  <b>Major assignment</b>  <b>due Friday 8th October</b>  <b>On campus day 2</b>  <b>9th October</b>	Test construction	Creating a classroom test	Reynolds, C. R., Livingston, R. B., & Willson, V. (2009). <i>Measurement and assessment in education</i> . Pearson: US. Chapters 7.
10	Oct 11			<b>Professional experience</b>
11	Oct 18			<b>Professional experience</b>
12	Oct 25			<b>Professional experience</b>
13	Nov 1 (week 13)  <b>Quiz 4</b>  <b>due Friday 5th November</b>	<b>Revision</b>		

## Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://policies.mq.edu.au\)](https://policies.mq.edu.au). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- [Academic Appeals Policy](#)
- [Academic Integrity Policy](#)
- [Academic Progression Policy](#)

- [Assessment Policy](#)
- [Fitness to Practice Procedure](#)
- [Grade Appeal Policy](#)
- [Complaint Management Procedure for Students and Members of the Public](#)
- [Special Consideration Policy](#)

Students seeking more policy resources can visit [Student Policies \(https://students.mq.edu.au/support/study/policies\)](https://students.mq.edu.au/support/study/policies). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

To find other policies relating to Teaching and Learning, visit [Policy Central \(https://policies.mq.edu.au\)](https://policies.mq.edu.au) and use the [search tool](#).

## Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: <https://students.mq.edu.au/admin/other-resources/student-conduct>

## Results

Results published on platform other than [eStudent](#), (eg. iLearn, Coursera etc.) or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in [eStudent](#). For more information visit [ask.mq.edu.au](https://ask.mq.edu.au) or if you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto:globalmba.support@mq.edu.au)

## School of Education Procedures

In addition, the following policies and procedures of the School of Education are applicable in this unit.

### Attendance for postgraduate units

All Internal tutorials begin in Week 1 of Session.

Activities completed during weekly tutorials (internal) or on campus days (external) are essential for building the core knowledge and/or skills required to demonstrate the learning outcomes of this unit [and to meet the AITSL Graduate Teacher Standards and/or ACECQA requirements]. Attendance at all tutorials or on campus days is expected and the roll will be taken.

### Master of Teaching (Primary/Secondary) students

Attendance at all synchronous activities (such as scheduled in person or Zoom tutorials), viewing of lectures, completion of class tasks and involvement in professional forums is compulsory as the Master of Teaching is a professional NESA accredited qualification. All MTeach students must meet 80% of this attendance requirement.

### Unit Expectations

- Students are expected to read weekly readings before completing tasks and attending tutorials

- Students are expected to listen/attend weekly lectures before completing tasks and attending tutorials

Note: It is not the responsibility of unit staff to contact students who have failed to submit assignments. If you have any missing items of assessment, it is your responsibility to make contact with the unit convenor.

### **Electronic Communication**

It is the student's responsibility to check all electronic communication on a regular weekly basis. Communication may occur via:

- Official *MQ Student Email Address*
- The *Dialogue* function on iLearn
- Other iLearn communication functions

### **External Students**

1. The on-campus sessions on (28th August & 9th October) are essential to student engagement and learning and attendance on all days is expected. Failure to attend or to have an approved Special Consideration may result in a Fail grade for the unit. Please see attendance requirements in this unit guide.
2. Prior to the on-campus sessions, you should have read the prescribed readings and listened to the lectures. Summarise the main points and make a note of the key terms and definitions. Prepare any discussion questions of your own that you wish to share.
3. Please make effective use of the online component of the unit and access iLearn regularly. Keep up to date with listening to the lectures on a weekly basis.

## **Student Support**

Macquarie University provides a range of support services for students. For details, visit <http://students.mq.edu.au/support/>

### **Learning Skills**

Learning Skills ([mq.edu.au/learningskills](http://mq.edu.au/learningskills)) provides academic writing resources and study strategies to help you improve your marks and take control of your study.

- [Getting help with your assignment](#)
- [Workshops](#)
- [StudyWise](#)
- [Academic Integrity Module](#)

The Library provides online and face to face support to help you find and use relevant information resources.

- [Subject and Research Guides](#)
- [Ask a Librarian](#)

## Student Services and Support

Students with a disability are encouraged to contact the [Disability Service](#) who can provide appropriate help with any issues that arise during their studies.

## Student Enquiries

For all student enquiries, visit Student Connect at [ask.mq.edu.au](http://ask.mq.edu.au)

If you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto:globalmba.support@mq.edu.au)

## IT Help

For help with University computer systems and technology, visit [http://www.mq.edu.au/about\\_us/offices\\_and\\_units/information\\_technology/help/](http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/).

When using the University's IT, you must adhere to the [Acceptable Use of IT Resources Policy](#). The policy applies to all who connect to the MQ network including students.

## 5Rs Framework

The 5Rs Framework, developed by the School of Education at Macquarie University, is embedded throughout your teacher education course.

Your use of the 5Rs Framework will help you develop the capabilities that will make your teaching career sustainable and fulfilling.

In this unit, you will learn using the 5Rs framework in the following important ways:

**Resilience** practiced inside and outside of the classroom.

In order to be more resilient to the stresses of the teaching environment, teachers need to be aware of, and maintain, their holistic health and sense of coherence. They need the confidence and clarity of mind to manage uncertain and complex issues and unexpected events whenever they arise in their career.

**Reflexive** in their teaching practice.

Teaching is about understanding multiple and changing ecologies of learning. This encompasses individual students' needs, the affordances of classroom spaces, student and teacher relationships, curriculums, school culture, parental expectations, community demographics and needs and expectations of the profession, and the effects of government policy.

**Responsive** to students, colleagues, parents and professional communities.

Teaching is a relational profession. The best teachers make deep connections with their students, parents and communities. Most of us remember a great teacher, not because of what they taught, but because they were *inspiring*. They engaged us through the personal connections they made with us, and their recognisable care for our wellbeing and success.

**Ready** to learn.

When teachers graduate from university, they are far from the end of their learning journey, but rather just at the beginning. The ongoing pursuit of learning is a mark of a quality teacher. There are always new methods and ideas to try. But in practice, learning needs are not a one-size-fits-all affair. Teachers need to identify their individual learning needs within the context of their career. Then, they can pursue that learning to the benefit of both themselves and their students.

**Research engaged** throughout their career.

Effective teaching practice is based on evidence. This evidence can come from their own research in the classroom and the latest academic research in learning, teaching, motivation, cognition, curriculum, technologies and spaces, to name a few. A critical understanding of data is essential, allowing it to be analysed and woven back into practice.