

# TEAC 7012 ASSESSMENT AND INTERVENTION FOR SCIENCE LEARNING

**Credit Points** 10

**Legacy Code** 102488

**Coordinator** Karina Mckoy ([https://directory.westernsydney.edu.au/search/name/Karina Mckoy/](https://directory.westernsydney.edu.au/search/name/Karina%20Mckoy/))

**Description** The purpose of this unit is for students to be informed of different types of diagnostic, formative, and summative assessment strategies used in primary science contexts. Examination of assessment methods and resources will help teachers develop a comprehensive philosophy of assessment in primary science. Students will develop skills in adapting instructional units to incorporate a research-based assessment system, become familiar with strategies to analyse assessment data, and design interventions in response to assessment data.

**School** Education

**Discipline** Teacher Education: Primary

**Student Contribution Band** HECS Band 1 10cp

Check your HECS Band contribution amount via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Postgraduate Coursework Level 7 subject

## Restrictions

Students must be enrolled in 1845 Graduate Certificate in Primary Science Education; 1847 Master of Education (STEM); 1887 Graduate Certificate in Primary STEM Education or 1911 Master of Education.

## Assumed Knowledge

A basic understanding of classroom assessment practices, features of positive classroom environments, and outcomes of the primary science syllabus is desirable.

## Learning Outcomes

On successful completion of this subject, students should be able to:

1. Identify contemporary, research-based diagnostic, formative, and summative assessment strategies specific to science education
2. Adapt a unit in primary science to incorporate appropriate diagnostic, formative, and summative assessment strategies
3. Develop assessment strategies for an integrated unit using a scientific context in the primary science curriculum
4. Explain research-based strategies for utilising assessment data to inform future teaching in primary science
5. Synthesize information from a set of assessment data and articulate how to respond with future interventions

## Subject Content

1. Diagnostic assessment strategies in primary science education
2. Formative assessment strategies in primary science education
3. Summative assessment strategies in primary science education
4. Analysis of assessment data in primary science

5. Pedagogical interventions based on assessment data in primary science

## Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Item	Length	Percent	Threshold	Individual/Group Task
Portfolio	2,000 words	50	N	Individual
Simulation	2,000 words	50	N	Individual

Teaching Periods

## Spring Online

### Online

**Subject Contact** Karina Mckoy ([https://directory.westernsydney.edu.au/search/name/Karina Mckoy/](https://directory.westernsydney.edu.au/search/name/Karina%20Mckoy/))

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=TEAC7012\\_22-SPR\\_ON\\_O#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=TEAC7012_22-SPR_ON_O#subjects))