

# TEAC 7160 LITERACY AND NUMERACY FOR SECONDARY TEACHING

**Credit Points** 10

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

**Description** This subject addresses how to effectively teach literacy and numeracy across a range of secondary subjects. It focuses on how to teach oral language, phonics, reading and comprehension strategies within different disciplines. Students will learn about how writing can be used to develop adolescents' learning and depth of understanding using explicit, guided and independent pedagogies for writing. The subject covers the six strands of mathematics including number, algebra, geometry, measurement, statistics and probability. Students will apply proficiencies in understanding, fluency, problem-solving and reasoning. The use of scaffolds and application of numeracy in a range of curriculum areas will be addressed. This subject is included in the Foundation Phase of the Master of Teaching program.

**School** Education

**Discipline** Teacher Education: Secondary

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

Check your fees 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

**Equivalent Subjects** -

**Restrictions**

Students must be enrolled in program 1714, 1848, 1652, 1823, 2804, 1843, 3756, 4791, 6013 or 6021.

Students enrolled in 1652, 1823, 2804, 1843, 3756 or 4791 must have achieved 160 credit points to enrol in this subject.

Students enrolled in 6021 must have achieved 190 credit points (160 at Level 1 or higher) to enrol in this subject.

Students enrolled in 6013 must have achieved 180 credit points (150 at Level 1 or higher) to enrol in this subject

## Learning Outcomes

1. Demonstrates understanding about how students learn to read and write effectively in curriculum areas.
2. Evaluates explicit literacy instruction and scaffolding in curriculum areas.
3. Demonstrates knowledge and understanding about mathematical concepts including number, algebra, geometry, measurement, statistics and probability in curriculum areas.
4. Explores mathematical strategies to develop student understanding, fluency, problem-solving and reasoning in curriculum areas and tasks.
5. Applies effective literacy and numeracy teaching strategies in curriculum areas.

## Subject Content

- Diagnostic approaches to reading and writing instruction.
- Oral language development in students.
- Phonological awareness and guidelines for instructions in teaching.
- Four roles of a reader.
- Comprehension strategies in making connections, visualising, questioning and summarising.
- Developing student vocabulary in disciplines.
- Fluency approaches in reading.
- Writing development continuum.
- Pre-assessment of writing.
- Conditions that enable quality writing in disciplines.
- Pedagogies for teaching writing.
- Understanding and teaching mathematical concepts in number, algebra, geometry, measurement, statistics and probability.
- Assessing numeracy opportunities in a range of key learning areas.
- Teaching strategies for numeracy in a range of key learning areas.
- Instruction on how to apply proficiencies in numeracy – understanding, fluency, problem-solving and reasoning.

## 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.

Type	Length	Percent	Threshold	Individual/Group Task
Quiz	1 hour	15	N	Individual
Quiz	1 hour	15	N	Individual
Professional Task	1,500 words	35	N	Individual
Professional Task	1,500 words	35	N	Individual

Teaching Periods

### Autumn (2024)

#### Bankstown City

**On-site**

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

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=TEAC7160\\_24-AUT\\_BK\\_1#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=TEAC7160_24-AUT_BK_1#subjects))

### Penrith (Kingswood)

**On-site**

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

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=TEAC7160\\_24-AUT\\_KW\\_1#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=TEAC7160_24-AUT_KW_1#subjects))

### Spring (2024)

#### Bankstown City

**On-site**

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

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=TEAC7160\\_24-SPR\\_BK\\_1#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=TEAC7160_24-SPR_BK_1#subjects))

## **Penrith (Kingswood)**

### **On-site**

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

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=TEAC7160\\_24-SPR\\_KW\\_1#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=TEAC7160_24-SPR_KW_1#subjects))