

EDU762

# Teaching Junior Secondary Technology

**School:** School of Education and Tertiary Access

2022 | Semester 1

UniSC Sunshine Coast

**BLENDED  
LEARNING**

Most of your course is on campus but you may be able to do some components of this course online.

Online

**ONLINE**

You can do this course without coming onto campus.

*Please go to [usc.edu.au](http://usc.edu.au) for up to date information on the teaching sessions and campuses where this course is usually offered.*

## 1. What is this course about?

### 1.1. Description

This course builds capacity to design and discern effective pedagogy within Technologies for Years 7 -10. You will organise and plan lessons using the Australian Curriculum for Technologies, apply your knowledge, understanding and skills to interpret, evaluate and adapt learning, in order to engage Junior Secondary students. You will develop deep knowledge of how to integrate Aboriginal and Torres Strait Islander perspectives into learning activities and critically reflect on your developing teaching practice.

## 1.2. How will this course be delivered?

ACTIVITY	HOURS	BEGINNING WEEK	FREQUENCY
<b>BLENDED LEARNING</b>			
<b>Learning materials</b> – You are required to engage and interact with asynchronous materials and activities accessed through Canvas modules, course readings and required texts.	1hr	Week 1	10 times
<b>Tutorial/Workshop 1</b> – A blended learning approach is used to deliver this course, including a mix of synchronous and asynchronous materials and activities.	2hrs	Week 1	10 times
<b>Independent Study/Research</b> – You are required to engage in self directed learning using Canvas course modules and current research/reading via USC library.	1hr	Week 1	10 times
<b>Seminar</b> – Online	2hrs	Week 1	3 times
<b>ONLINE</b>			
<b>Learning materials</b> – You are required to engage and interact with asynchronous materials and activities accessed through Canvas modules, course readings and required texts.	1hr	Week 1	10 times
<b>Tutorial/Workshop 1</b> – An online approach is used to deliver this course, including a mix of synchronous and asynchronous materials and activities. Tutorials will be delivered via Zoom.	2hrs	Week 1	10 times
<b>Independent Study/Research</b> – You are required to engage in self directed learning using Canvas course modules and current research/reading via USC library.	1hr	Week 1	10 times
<b>Seminar</b> – Online	2hrs	Week 1	3 times

## 1.3. Course Topics

Topics in this course include:

- The Australian Curriculum
- The Technologies component of the Australian Curriculum
- Assessment strategies in Technologies
- Lesson Planning
- Pedagogical practice in Technologies

## 2. What level is this course?

700 Level (Specialised)

Demonstrating a specialised body of knowledge and set of skills for professional practice or further learning. Advanced application of knowledge and skills in unfamiliar contexts.

## 3. What is the unit value of this course?

12 units

#### 4. How does this course contribute to my learning?

COURSE LEARNING OUTCOMES	GRADUATE QUALITIES MAPPING	PROFESSIONAL STANDARD MAPPING *
On successful completion of this course, you should be able to...	Completing these tasks successfully will contribute to you becoming...	Australian Institute for Teaching and School Leadership
1 Apply a deep knowledge of technologies content, curriculum, and literature to collaboratively create lesson plans, engage students in learning, and reflect upon professional practice.	Knowledgeable Creative and critical thinker	1.1, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 4.1, 4.2, 4.5, 5.1, 5.2, 5.3, 5.4, 5.5
2 Implement relevant safety measures and risk assessment procedures specific to design or digital technologies	Knowledgeable	1.1, 2.1, 2.2, 2.3, 2.5, 2.6, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.5, 5.1
3 Apply a deep knowledge and demonstrate mastery of pedagogy in the technologies subjects to engage Year 7 - 10 students in design or digital technologies.	Knowledgeable Creative and critical thinker	1.1, 2.1, 2.2, 2.3, 2.5, 2.6, 3.1, 3.2, 3.3, 3.5, 4.1, 4.2, 4.5, 5.1, 5.2, 5.3, 5.4
4 Cater for diverse student learning needs and adopt a student-centred approach to teaching, learning and classroom organisation in the selected technologies curriculum area.	Ethical	1.1, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 4.1, 4.2, 4.5, 5.1, 5.2, 5.3, 5.4, 5.5

#### \* Competencies by Professional Body

CODE	COMPETENCY
AUSTRALIAN INSTITUTE FOR TEACHING AND SCHOOL LEADERSHIP	
1.1	Physical, social and intellectual development and characteristics of students: Demonstrate knowledge and understanding of physical, social and intellectual development and characteristics of students and how these may affect learning.
2.1	Content and teaching strategies of the teaching area: Demonstrate knowledge and understanding of the concepts, substance and structure of the content and teaching strategies of the teaching area
2.2	Content selection and organisation: Organise content into an effective learning and teaching sequence.
2.3	Curriculum, assessment and reporting: Use curriculum, assessment and reporting knowledge to design learning sequences and lesson plans.
2.4	Understand and respect Aboriginal and Torres Strait Islander people to promote reconciliation between Indigenous and non-Indigenous Australians: Demonstrate broad knowledge of, understanding of and respect for Aboriginal and Torres Strait Islander histories, cultures and languages.
2.5	Literacy and numeracy strategies: Know and understand literacy and numeracy teaching strategies and their application in teaching areas.
2.6	Information and Communication Technology (ICT): Implement teaching strategies for using ICT to expand curriculum learning opportunities for students.
3.1	Establish challenging learning goals: Set learning goals that provide achievable challenges for students of varying abilities and characteristics.
3.2	Plan, structure and sequence learning programs: Plan lesson sequences using knowledge of student learning, content and effective teaching strategies.
3.3	Use teaching strategies: Include a range of teaching strategies.
3.4	Select and use resources: Demonstrate knowledge of a range of resources, including ICT, that engage students in their learning.
3.5	Use effective classroom communication: Demonstrate a range of verbal and non-verbal communication strategies to support student engagement

CODE	COMPETENCY
3.6	Evaluate and improve teaching programs: Demonstrate broad knowledge of strategies that can be used to evaluate teaching programs to improve student learning.
4.1	Support student participation: Identify strategies to support inclusive student participation and engagement in classroom activities.
4.2	Manage classroom activities: Demonstrate the capacity to organise classroom activities and provide clear directions
4.5	Use ICT safely, responsibly and ethically: Demonstrate an understanding of the relevant issues and the strategies available to support the safe, responsible and ethical use of ICT in learning and teaching.
5.1	Assess student learning: Demonstrate understanding of assessment strategies, including informal and formal, diagnostic, formative and summative approaches to assess student learning.
5.2	Provide feedback to students on their learning: Demonstrate an understanding of the purpose of providing timely and appropriate feedback to students about their learning
5.3	Make consistent and comparable judgements: Demonstrate understanding of assessment moderation and its application to support consistent and comparable judgements of student learning.
5.4	Interpret student data: Demonstrate the capacity to interpret student assessment data to evaluate student learning and modify teaching practice.
5.5	Report on student achievement: Demonstrate understanding of a range of strategies for reporting to students and parents/carers and the purpose of keeping accurate and reliable records of student achievement

## 5. Am I eligible to enrol in this course?

Refer to the [UniSC Glossary of terms](#) for definitions of “pre-requisites, co-requisites and anti-requisites”.

### 5.1. Pre-requisites

Enrolled in Program ED706 and a Technology Teaching area

### 5.2. Co-requisites

Not applicable

### 5.3. Anti-requisites

Not applicable

### 5.4. Specific assumed prior knowledge and skills (where applicable)

Not applicable

## 6. How am I going to be assessed?

### 6.1. Grading Scale

Standard Grading (GRD)

High Distinction (HD), Distinction (DN), Credit (CR), Pass (PS), Fail (FL).

### 6.2. Details of early feedback on progress

Formative feedback will be provided on your Lesson Plan sequence during tutorials.

### 6.3. Assessment tasks

DELIVERY MODE	TASK NO.	ASSESSMENT PRODUCT	INDIVIDUAL OR GROUP	WEIGHTING %	WHAT IS THE DURATION / LENGTH?	WHEN SHOULD I SUBMIT?	WHERE SHOULD I SUBMIT IT?
All	1	Written Piece	Individual	20%	Draft Lessons 1500 words	Week 5	Online Submission
All	2	Oral and Written Piece	Individual	30%	Interactive 15 minutes (1000 words)	Refer to Format	In Class
All	3	Artefact - Creative, and Written Piece	Individual	50%	5 Minute video followed by 500 word reflection	Week 10	Online Submission

#### All - Assessment Task 1: Lesson Plans

<b>GOAL:</b>	The goal of this task is to create a series of three lessons for Year 8 Design and Technologies students.					
<b>PRODUCT:</b>	Written Piece					
<b>FORMAT:</b>	This task involves you designing and planning a sequence of three (3) 70 minute lessons for a Year 8 Design and Technology class. The focus of the lessons is on developing an answer for a contemporary design problem. The lesson plans should include activities that focus on a contemporary design problem, for example the design of products (Design and Technologies) or design of web applications or multimedia assets (Digital Technologies). Your lesson plans may include, but are not limited to, any one of the following activities: Design of a business logo and associated graphics. Alternative design of an existing simple artefact (such as a computer mouse). Design of a web page for a local club or group. Design of a stop motion video to respond to a theme. Design of a simple artefact to meet a particular need. You should take into consideration any safety requirements when organising technology activities and awareness of the need for risk assessment. You should take into consideration the needs of diverse learners when planning these lessons. These plans will be submitted to your tutor and you will receive formative feedback from your tutor during tutorial time before the due date.					
<b>CRITERIA:</b>	<b>No.</b>					<b>Learning Outcome assessed</b>
	1	Design of lesson plans.				3
	2	Applied knowledge of content, curriculum, teaching and learning strategies, (including strategies for catering for diversity) for Design and Technologies Curriculum to create lesson plans.				1
	3	Organisation, safety measures and risk assessment skills.				2
	4	Use of information and communication technologies				4

#### All - Assessment Task 2: Teaching Segment of a lesson

<b>GOAL:</b>	The goal of this task is to allow you to teach a 20minute segment from one of the lessons you developed to meet Assessment Task One.					
<b>PRODUCT:</b>	Oral and Written Piece					
<b>FORMAT:</b>	Submit: Week 6 - 8 in tutorials Teach a segment (15 minutes) of one of the lesson plans from Task 1 to your peers and obtain feedback from your tutor and peers. Demonstrate strong pedagogy, including the incorporation of ICT into your lesson segment, teaching communication skills, classroom organisation, and a capacity to differentiate for diverse learning needs.					

CRITERIA:	No.	Learning Outcome assessed
	1	Implementation of teaching and learning strategies for the Technologies Curriculum. 3
	2	Classroom organisation and use of resources to enhance learning, including information and communication technologies 1
	3	Oral communication for Junior Secondary contexts. 3
	4	Collaborative teaching skills for Junior Secondary contexts 4

### All - Assessment Task 3: Video presentation "snapshot"

<b>GOAL:</b>	The goal of this task is to develop your understanding and application of engaging ways to communicate with students and parents/carers about junior secondary Technologies. You will then reflect on your performance to identify future professional development goals and plans.	
<b>PRODUCT:</b>	Artefact - Creative, and Written Piece	
<b>FORMAT:</b>	<p>You have been selected by the Head of Department develop a video presentation "snapshot" for Year 6 parents attending an information evening at your secondary school. The video presentation "snapshot" is to highlight to parents and students what they can expect from the Technologies subject. In the video presentation "snapshot", you will demonstrate your understanding of the content, underlying philosophy, and pedagogy of the subject, including how it connects with other Australian Curriculum learning areas. You will answer questions about how junior secondary Technologies is supported by the General Capabilities and Cross-Curriculum Priorities.</p> <p>In addition to submission of the video presentation "snapshot", you will prepare a 500-word reflection that identifies:</p> <p>a) Strengths and areas for improvement of your knowledge of the junior secondary Technologies content, pedagogy or presentation</p> <p>b) One specific and measurable professional learning goal for the semester that is related to the junior secondary Technologies area and plan for achieving the learning goal</p>	
<b>CRITERIA:</b>	No.	Learning Outcome assessed
	1	Knowledge and understanding of - Australian curriculum for Technologies - Resources and teaching strategies to support student learning - Assessment planning and design and reporting 1
	2	Oral communication skills appropriate for the audience. Use of written language that demonstrates a level of personal literacy for professional contexts 3
	3	Professional reflection upon performance to identify a specific and measurable professional learning goal and create a plan for its achievement 3

## 7. Directed study hours

A 12-unit course will have total of 150 learning hours which will include directed study hours (including online if required), self-directed learning and completion of assessable tasks. Student workload is calculated at 12.5 learning hours per one unit.

## 8. What resources do I need to undertake this course?

Please note: Course information, including specific information of recommended readings, learning activities, resources, weekly readings, etc. are available on the course Canvas site– Please log in as soon as possible.

### 8.1. Prescribed text(s) or course reader

There are no required/recommended resources for this course.

### 8.2. Specific requirements

Not applicable

## 9. How are risks managed in this course?

## 9. How are risks managed in this course?

Health and safety risks for this course have been assessed as low. It is your responsibility to review course material, search online, discuss with lecturers and peers and understand the health and safety risks associated with your specific course of study and to familiarise yourself with the University's general health and safety principles by reviewing the [online induction training for students](#), and following the instructions of the University staff.

## 10. What administrative information is relevant to this course?

### 10.1. Assessment: Academic Integrity

Academic integrity is the ethical standard of university participation. It ensures that students graduate as a result of proving they are competent in their discipline. This is integral in maintaining the value of academic qualifications. Each industry has expectations and standards of the skills and knowledge within that discipline and these are reflected in assessment.

Academic integrity means that you do not engage in any activity that is considered to be academic fraud; including plagiarism, collusion or outsourcing any part of any assessment item to any other person. You are expected to be honest and ethical by completing all work yourself and indicating in your work which ideas and information were developed by you and which were taken from others. You cannot provide your assessment work to others. You are also expected to provide evidence of wide and critical reading, usually by using appropriate academic references.

In order to minimise incidents of academic fraud, this course may require that some of its assessment tasks, when submitted to Canvas, are electronically checked through Turnitin. This software allows for text comparisons to be made between your submitted assessment item and all other work to which Turnitin has access.

### 10.2. Assessment: Additional Requirements

#### Eligibility for Supplementary Assessment

Your eligibility for supplementary assessment in a course is dependent of the following conditions applying:

The final mark is in the percentage range 47% to 49.4%

The course is graded using the Standard Grading scale

You have not failed an assessment task in the course due to academic misconduct

### 10.3. Assessment: Submission penalties

Late submission of assessment tasks may be penalised at the following maximum rate:

- 5% (of the assessment task's identified value) per day for the first two days from the date identified as the due date for the assessment task.

- 10% (of the assessment task's identified value) for the third day - 20% (of the assessment task's identified value) for the fourth day and subsequent days up to and including seven days from the date identified as the due date for the assessment task.

- A result of zero is awarded for an assessment task submitted after seven days from the date identified as the due date for the assessment task. Weekdays and weekends are included in the calculation of days late. To request an extension you must contact your course coordinator to negotiate an outcome.

### 10.4. SafeUniSC

UniSC is committed to a culture of respect and providing a safe and supportive environment for all members of our community. For immediate assistance on campus contact SafeUniSC by phone: [07 5430 1168](tel:0754301168) or using the [SafeZone](#) app. For general enquires contact the SafeUniSC team by phone [07 5456 3864](tel:0754563864) or email [safe@usc.edu.au](mailto:safe@usc.edu.au).

The SafeUniSC Specialist Service is a Student Wellbeing service that provides free and confidential support to students who may have experienced or observed behaviour that could cause fear, offence or trauma. To contact the service call [07 5430 1226](tel:0754301226) or email [studentwellbeing@usc.edu.au](mailto:studentwellbeing@usc.edu.au).

### 10.5. Study help

For help with course-specific advice, for example what information to include in your assessment, you should first contact your tutor, then your course coordinator, if needed.

If you require additional assistance, the Learning Advisers are trained professionals who are ready to help you develop a wide range of academic skills. Visit the [Learning Advisers](#) web page for more information, or contact Student Central for further assistance: +61 7 5430 2890 or [studentcentral@usc.edu.au](mailto:studentcentral@usc.edu.au).

### 10.6. Wellbeing Services

Student Wellbeing provide free and confidential counselling on a wide range of personal, academic, social and psychological matters, to foster positive mental health and wellbeing for your academic success.

To book a confidential appointment go to [Student Hub](#), email [studentwellbeing@usc.edu.au](mailto:studentwellbeing@usc.edu.au) or call 07 5430 1226.

## 10.7. AccessAbility Services

Ability Advisers ensure equal access to all aspects of university life. If your studies are affected by a disability, learning disorder mental health issue, injury or illness, or you are a primary carer for someone with a disability or who is considered frail and aged, [AccessAbility Services](#) can provide access to appropriate reasonable adjustments and practical advice about the support and facilities available to you throughout the University.

To book a confidential appointment go to [Student Hub](#), email [AccessAbility@usc.edu.au](mailto:AccessAbility@usc.edu.au) or call 07 5430 2890.

## 10.8. Links to relevant University policy and procedures

For more information on Academic Learning & Teaching categories including:

- Assessment: Courses and Coursework Programs
- Review of Assessment and Final Grades
- Supplementary Assessment
- Central Examinations
- Deferred Examinations
- Student Conduct
- Students with a Disability

For more information, visit <https://www.usc.edu.au/explore/policies-and-procedures#academic-learning-and-teaching>

## 10.9. Student Charter

UniSC is committed to excellence in teaching, research and engagement in an environment that is inclusive, inspiring, safe and respectful. The [Student Charter](#) sets out what students can expect from the University, and what in turn is expected of students, to achieve these outcomes.

## 10.10. General Enquiries

### In person:

- **UniSC Sunshine Coast** - Student Central, Ground Floor, Building C, 90 Sippy Downs Drive, Sippy Downs
- **UniSC Moreton Bay** - Service Centre, Ground Floor, Foundation Building, Gympie Road, Petrie
- **UniSC SouthBank** - Student Central, Building A4 (SW1), 52 Merivale Street, South Brisbane
- **UniSC Gympie** - Student Central, 71 Cartwright Road, Gympie
- **UniSC Fraser Coast** - Student Central, Student Central, Building A, 161 Old Maryborough Rd, Hervey Bay
- **UniSC Caboolture** - Student Central, Level 1 Building J, Cnr Manley and Tallon Street, Caboolture

**Tel:** +61 7 5430 2890

**Email:** [studentcentral@usc.edu.au](mailto:studentcentral@usc.edu.au)