



Information Systems & Digital Technologies Level 2-3

Scoping Paper

Years 9 to 12 Learning 2020 Course Development

The purpose of this scoping paper

The purpose of this paper is to provide information regarding the scope of the proposed *Information Systems & Digital Technologies Course Level 2-3* including the:

- *Rationale*
- *Relationship to:*
 - *Senior Secondary Australian Curriculum (where applicable)*
 - *Years 9 to 12 Curriculum Framework*
 - *General Capabilities*
- Existing pathways and possible Future Provision
- Course Design

It is designed to enable all interested stakeholders to reflect and provide initial feedback on the rationale and relationships as italicised above. The additional information is included for noting.

Additionally in consideration of the information provided in this scoping paper we are seeking your suggestions for the core concepts, big ideas, essential learnings or important considerations you would like to see included in this proposed course.



Consultation

Throughout the course development process there will be four opportunities for formal stakeholder consultation:

- Course Scope
- Structural Overview and Key features (November/December 2020)
- Initial Draft Course (March 2021)
- Final Draft Course (June 2021)

This scoping paper represents the first of four course consultation points for teachers to engage in the course development process for *Information Systems & Digital Technologies Level 2-3*.

Course Rationale

Information Systems & Digital Technologies Level 2-3 builds upon the ICT general capability, study of Australian Curriculum Digital Technologies and *Digital Projects Level 1* with a focus on creating digital solutions through the exploration of the interconnection between users, data and digital systems.

Through authentic project work, students studying *Information Systems & Digital Technologies Level 2-3* will develop an understanding of the function and purpose of information technology tools, processes, ways of thinking, in particularly computational thinking and systems thinking, and the benefits for enterprises to effectively use and manage ICT systems in a variety of settings.

Study of *Information Systems and Digital Technologies Level 2-3* will support students to develop an understanding of the impact of information technology on society both locally and globally. This course will provide opportunities for students to develop skills in the use of hardware, software, data and information systems and develop an understanding of how knowledge of information systems will allow them to successfully contribute to and function in their world.

Years 9 to 12 Curriculum Framework

[Years 9 to 12 Education Framework](#) informs the design of *Information Systems & Digital Technologies Level 2-3* course and it fits within the Professional Studies focus area of the [Years 9 to 12 Curriculum Framework](#).

Pathways

The *Information Systems & Digital Technologies Level 2-3* course pairing enables learning continuity from the *Australian Curriculum Technologies* to Years 11-12 through sequenced learning pathways.

Relationship to the Senior Secondary Australian Curriculum

Not applicable.

Australian Curriculum General Capabilities

The *Information Systems & Digital Technologies Level 2-3* course is designed to enable teachers to design courses of study which draw on the cross-curriculum priorities and develop the General Capabilities:

- Literacy
- Numeracy
- ICT
- Critical and creative thinking
- Ethical understanding
- Personal and social capability
- Intercultural understanding

Relationship to Replacement courses

Information Systems & Digital Technologies Level 3 is a replacement for Information Systems & Digital Technologies Level 3. Information Systems & Digital Technologies Level 2 is a new course.

Senior Secondary Accreditation Framework





This course will be developed to address the Principles and Standards of the [Senior Secondary Accreditation Framework](#).

Course Design

This proposal is in line with the draft Integrated Policy Model. From the Articulation, extension and enrichment: section this is a Level 2-3 course pair. Each course is 150 hours and will be divided into three equally weighted modules of 50 hours each.

Relationship to possible Future Provision

Learning Area Roadmaps are available on the Years 11 & 12 website: <https://11and12.education.tas.gov.au/learning-area-road-maps/>

FOCUS AREA	P	1	2	3	4
 Discipline-based			Computer Science Electronics Food and Nutrition		
 Transdisciplinary		Design and Technology Digital Projects	Paddock to Plate		Capstone Course Design and Innovation
 Professional Studies		Food and Agricultural Technology	Hospitality and Tourism Agriculture Built Environmental Design Automotive and Mechanical Systems Design and Production Industrial Design Solutions Computer Graphics and Design Engineering Design Advanced Manufacturing Information Systems and Digital Technologies		
 Personal Futures	Technologies		Essential Skills - Using Computers and the Internet		