Year 11 Digital Solutions
Work rate calendar (WRC) 2025   Term 1

All students are expected to participate in all online lessons and complete all assessment as outlined in this **Work rate calendar**.

Teachers may adjust topics, class work, assessment and submission dates. Adjustments will be communicated via QLearn or during lessons.

Assessment	
Supervised assessment	Summative exams are to be supervised by the student's official exam supervisor.
Non-supervised assessment	Students must sign declaration of academic integrity.

Week	Dates	Unit	Topic	Class work / Assessment to be submitted
1	27 Jan – 31 Jan		Monday 27 January — Australia Day Holiday Tuesday 28 January – Welcome calls: Years Prep–12 Wednesday 29 January – Learning for success: Years Prep–12 **Introduction to Digital Solutions** Computational and Systems Thinking	**Class Activities** *HW: GL Intro to Python 1.1*
2	3 Feb – 7 Feb		Monday 3 February — Brainstorm Productions: Years 7–12 (11am-2pm) **Problem Exploration and Decomposition** Exploring Existing Solutions Mind Mapping	**Class Activities** FA1 Tasks 1-3 *HW: GL Intro to Python 1.2*
3	10 Feb – 14 Feb		Friday 14 February — Senior orientation day: Years 10–12 **Success Criteria** Technical Proposals Defining and Prioritising Success Criteria	**Class Activities** FA1 Task 4 *HW: GL Intro to Py 1.3*
4	17 Feb – 21 Feb	Unit 1: Creating with Code	**Systems Modelling** Use Case Diagram Activity Diagram	**Class Activities** FA1 Tasks 5-6 *HW: GL Intro to Py 1.4* **FA1 Checkpoint**
5	24 Feb – 28 Feb		**User Experience and Interfaces** Usability Principles, Elements and Principles of Visual Communication Wireframe Sketching	**Class Activities** Exercise 1, FA1 Task 7 *HW: GL Intro to Py 1.5*
6	3 Mar – 7 Mar		**Activity Flow to Algorithms** Algorithmic Constructs Pseudocode Desk Checking	**Class Activities** Exercises 2, 3, 4 *HW: GL Intro to Py 1.6*
7	10 Mar – 14 Mar		**Activity Flow to Algorithms** Algorithmic Constructs Pseudocode Desk Checking	**Class Activities** FA1 Tasks 8-10 *HW: GL Intro to Py 1.7*
8	17 Mar – 21 Mar		**Low-Fidelity Prototypes** Communicating the EDGE process Annotating for Synthesis	**Class Activities** FA1 Tasks 11, 12 *HW: GL Intro to Py 1.8* **FA1 Draft – due Monday**
9	24 Mar – 28 Mar		**Exams: Year 11** Monday 24 March – Friday 28 March **Algorithms to Code** Setting Up Coding Environment	**Class Activities** *HW: GL Intro to Py 2.1* Exercise 5 **FA1 Final**
10	31 Mar – 4 Apr		Thursday 3 April — Cross country / Fun run: Prep – Year 12 **Algorithms to Code** Coding Constructs, Prototypes Basics	**Class Activities** Exercise 6, Project 1 *HW: GL Intro to Py 2.2*

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LEGEND	Class work — send-in	Summative assessment	Exam block	School events	Public holidays	Student free day

Year 11 Digital Solutions
Work rate calendar (WRC) 2025   Term 2

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Assessment	
Supervised assessment	Summative exams are to be supervised by the student's official exam supervisor.
Non-supervised assessment	Students must sign declaration of academic integrity.

Week	Dates	Unit	Topic	Class work / Assessment to be submitted
1	21 Apr – 25 Apr	Unit 1: Creating with Code	Monday 21 April — Easter Monday Tuesday 22 April – Thursday 24 April — School camp: Year 11 Friday 25 April — Anzac Day **Coding in Python** Object libraries, user input/output, transitioning between interfaces	**Class Activities** Projects 2, 3 *HW: GL Intro to Py 2.3*
2	28 Apr – 2 May		**Coding in Python** Assessment Prototyping	**Class Activities** FA2 Prototype *HW: GL Intro to Py 2.4*
3	5 May – 9 May		Monday 5 May — Labour Day **Coding in Python** Assessment Prototyping	**Class Activities** FA2 Prototype *HW: GL Intro to Py 2.5* **FA2 Checkpoint - due Tuesday**
4	12 May – 16 May		**Evaluating Digital Solutions** Prototype Testing Success Criteria and Impact Evaluation Identifying Recommendations for Improvement	**Class Activities** FA2 Evaluation *HW: GL Intro to Py 2.6* **FA2 Draft - due Monday**
5	19 May – 23 May		**Refining Digital Solutions** Editing Drafts Applying Feedback	**Class Activities** *HW: GL Intro to Py 2.7* **FA2 Final Due**
6	26 May – 30 May	Unit 2: Applications and Data Solutions	**Data Considerations** Introduction to Databases, Data Management and Criteria Problem Decomposition, Mind Mapping Symbolisation	**Class Activities** Exercise 1, FA3 Task 1 *HW: GL Intro to Py 2.8*
7	2 Jun – 6 Jun		**Systems Modelling** Behavioural Models Data Flow Diagram Class Diagram	**Class Activities** Exercise 2, 3 FA3 Task 2, 3
8	9 Jun – 13 Jun		**Class Diagram to ERD** Normalisation Entity Relationship Diagrams	**Class Activities** Exercise 4 FA3 Task 4 **FA3 Checkpoint**
9	16 Jun – 20 Jun		**Data Algorithms** CRUD Algorithms **Data Interface Design** User Interface Mock-ups	**Class Activities** FA3 Task 5 Exercise 5 FA3 Task 6
10	23 Jun – 27 Jun		Friday 27 June — Athletics carnival / Sports day: Prep – Year 12 **Technical Proposals** Low-Fidelity Prototype	**Class Activities** FA3 Tasks 7, 8

LEGEND	Class work — send-in	Summative assessment	Exam block	School events	Public holidays	Student free day

Year 11 Digital Solutions
Work rate calendar (WRC) 2025   Term 3

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Assessment	
Supervised assessment	Summative exams are to be supervised by the student's official exam supervisor.
Non-supervised assessment	Students must sign declaration of academic integrity.

Week	Dates	Unit	Topic	Class work / Assessment to be submitted
1	14 Jul – 18 Jul	Unit 2: Applications and Data Solutions	**SQL** SQL CREATE, INSERT, UPDATE, DELETE SQL SELECT, WHERE, GROUP BY Table joins and subqueries	**Class Activities** Exercises 6, 7 *HW: GL SQL 1* **FA3 Draft**
2	21 Jul – 25 Jul		**Refining Digital Solutions** Editing Drafts Applying Feedback	**Class Activities** *HW: GL SQL 2*
3	28 Jul – 1 Aug		**Exploring Data-Driven Solutions** Problem Exploration and Decomposition Mind Mapping Success Criteria	**Class Activities** FA4 Task 1, 2 *HW: GL SQL 3* **FA3 Final – due Monday**
4	4 Aug – 8 Aug		**Modelling Data-Driven Solutions** Behavioural Models Data Development	**Class Activities** FA4 Tasks 2, 3, 4 *HW: GL SQL 4*
5	11 Aug – 15 Aug		Wednesday 13 August — Royal Queensland (Ekka) Show Holiday **Developing Data-Driven Solutions** Interface Development Algorithm Development	**Class Activities** FA4 Tasks 4, 5 *HW: GL SQL 5*
6	18 Aug – 22 Aug		**Generating Data-Driven Solutions** Connecting Database to Interface with Code Data Interface Control	**Class Activities** Project 4, 5 **FA4 Checkpoint**
7	25 Aug – 29 Aug		**Generating Data-Driven Prototypes** Assessment Prototyping	**Class Activities** FA4 Task 6
8	1 Sept – 5 Sept		Friday 5 September — Student free day **Generating Data-Driven Prototypes** Assessment Prototyping	**Class Activities** FA4 Task 6, 7
9	8 Sept – 12 Sept		**Evaluating Data-Driven Prototypes** Demonstrating Prototype Functionality Evaluating Objective and Subjective Data Justifying Recommendations	**Class Activities** FA4 Task 8 **FA4 Draft – due Monday**
10	15 Sept – 19 Sept		**Exams: Year 11** Monday 15 September – Friday 19 September Friday 19 September — Connect day: Years 11–12 **Refining Data-Driven Prototypes** Applying Draft Feedback	**FA4 Final**

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LEGEND	Class work — send-in	Summative assessment	Exam block	School events	Public holidays	Student free day

BrisbaneSDE

Year 11 Digital Solutions
Work rate calendar (WRC) 2025   Term 4

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Assessment	
Supervised assessment	Summative exams are to be supervised by the student's official exam supervisor.
Non-supervised assessment	Students must sign declaration of academic integrity.

Week	Dates	Unit	Topic	Class work / Assessment to be submitted
1	6 Oct – 10 Oct	Unit 3: Digital Innovation	Monday 6 October — King's Birthday Holiday **Innovative Digital Solutions** Innovation Exploring Digital Problems Evaluating Existing Solution	
2	13 Oct – 17 Oct		**Developing Innovative Digital Solutions** User Stories Proto-personas	**IA1 Checkpoint 1** Submit Problem Exploration
3	20 Oct – 24 Oct		**Developing Innovative Digital Solutions** Data Stories Data Analysis	
4	27 Oct – 31 Oct		**Generatng Innovative Digital Solutions** Low Fidelity Prototypes Algorithms Revision	**IA1 Checkpoint 2** Submit Problem Exploration, User Story, Data Story
5	3 Nov – 7 Nov		**Communicating Innovative Digital Solutions** Technical Proposals	
6	10 Nov – 14 Nov		**IA1** Recording Technical Proposal Presentation	**IA1 Draft** Recorded Technical Proposal Presentation
7	17 Nov – 21 Nov		Friday 21 November — Aquatic carnival: Prep – Year 11 **IA1** Applying draft feedback	
8	24 Nov – 28 Nov		**Exams: Year 11** Monday 24 November – Friday 28 November Friday 28 November — Final day: Years 10–11 **IA1** Applying draft feedback - offline	**IA1 Final** Recorded Technical Proposal Presentation with Transcript

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LEGEND	Class work — send-in	Summative assessment	Exam block	School events	Public holidays	Student free day

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