

Year 7 Technologies

Work rate calendar (WRC) 2024

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 | 22 Jan – 26 Jan | Unit 1: Design Folio | Monday 22 January — Welcome calls for students: Prep – Year 12 | | | |
| | | | Wednesday 24 January — Learning for success: Prep – Year 12 | | | |
| | | | Friday 26 January — Australia Day Holiday | | | |
| Investigating designs | | | | | | |
| What is design technology? | | | | | | |
| Needs/wants and opportunities of users | | | | | | |
| 2 | 29 Jan – 2 Feb | | Investigating designs | | Assessment task introduction Collaborative and individual research | |
| 3 | 5 Feb – 9 Feb | | Introduction to design thinking process | | Investigating design process Assessment task SA2 introduction Materials and SCAMPER | SA1 Research project final Due Friday 9 th Feb – 5pm |
| 4 | 12 Feb – 16 Feb | | Investigating and defining | | Brainstorming ideas Investigating and defining the problem Simple Machines and Structure | |
| 5 | 19 Feb – 23 Feb | | Generating and collaborating | | Sketching, Feedback, Forces | |
| 6 | 26 Feb – 1 Mar | Designing | Materials, Engineering principles, Safety considerations | | | |
| 7 | 4 Mar – 8 Mar | Producing | Prototyping Documenting modifications | SA2 Design folio draft Due Friday 8 th March – 5pm | | |
| 8 | 11 Mar – 15 Mar | Evaluating | Evaluation and reflection, Sustainability, Feedback | | | |
| 9 | 18 Mar – 22 Mar | Monday 18 March – Wednesday 20 March — School camp: Years 7–8 | | SA2 Design folio final Due Friday 22 nd March – 5pm | | |
| | | Submission and revision | Submit folio final Design process revision | | | |
| 10 | 25 Mar – 29 Mar | Thursday 28 March — Cross country / Fun run: Prep – Year 12 | | | | |
| | | Friday 29 March — Good Friday | | | | |
| | | Mini Design Challenge | Design culminating task | | | |

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Term 2

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

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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 | 15 Apr – 19 Apr | Unit 2: Digital folio | Introduction to digital technology What is a microcontroller? Getting Started with Micro-Python (Images and Text) | |
| 2 | 22 Apr – 26 Apr | | Thursday 25 April — Anzac Day Computation thinking & problem-solving process Computational thinking Loops and Buttons and Decision Making | |
| 3 | 29 Apr – 3 May | | Creating a digital solution Playing Music Randomisation | |
| 4 | 6 May – 10 May | | Monday 6 May — Labour Day Exploring decomposition Assessment task introduction Solution decomposition Identifying criteria for success | SA3 Digital folio checkpoint |
| 5 | 13 May – 17 May | | Developing a digital solution Visual of User experience Algorithms (IPO Table) Collaboration of Micro: bit project | |
| 6 | 20 May – 24 May | | Generating prototypes Generating code Documenting errors/improvements | SA3 Digital folio draft Due Friday 24 th May – 5pm |
| 7 | 27 May – 31 May | | Evaluating digital solution Documenting errors/improvements Evaluation and reflection Collaborative feedback | |
| 8 | 3 Jun – 7 Jun | | Finalise assessment Submit folio final | SA3 Digital folio final Due Wednesday 5 th June – 5pm |
| 9 | 10 Jun – 14 Jun | | Digital challenge Digital culminating task | |
| 10 | 17 Jun – 21 Jun | | Friday 21 June — Athletics carnival / Sports day: Prep – Year 12 Digital challenge Digital culminating task | |

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Term 3

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

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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 | 8 Jul – 12 Jul | Unit 1: Design Folio | Investigating designs What is design technology? Needs/wants and opportunities of users | |
| 2 | 15 Jul – 19 Jul | | Investigating designs Assessment task introduction Collaborative and individual research | |
| 3 | 22 Jul – 26 Jul | | Introduction to design thinking process Investigating design process Assessment task SA2 introduction Materials and SCAMPER | SA1 Research project final Due Friday 26 th July – 5pm |
| 4 | 29 Jul – 2 Aug | | Investigating and defining Brainstorming ideas Investigating and defining the problem Simple Machines and Structure | |
| 5 | 5 Aug – 9 Aug | | Generating and collaborating Sketching, Feedback, Forces | |
| 6 | 12 Aug – 16 Aug | | Wednesday 14 August — Royal Queensland (Ekka) Show Holiday Designing Materials, Engineering principles, Safety considerations | |
| 7 | 19 Aug – 23 Aug | | Producing Prototyping Documenting modifications | SA2 Design folio draft Due Friday 23 rd Aug – 5pm |
| 8 | 26 Aug – 30 Aug | | Friday 30 August — Student free day Evaluating Evaluation and reflection, Sustainability, Feedback | |
| 9 | 2 Sept – 6 Sept | | Submission and revision Submit folio final Design process revision | SA2 Design folio final Due Friday 6 th Sept – 5pm |
| 10 | 9 Sept – 13 Sept | | Wednesday 11 September — Connect excursion: Years 7–9 Mini Design Challenge Design culminating task | |

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Term 4

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 | 30 Sept – 4 Oct | Unit 2: Digital folio | Introduction to digital technology What is a microcontroller? Getting Started with Micro-Python (Images and Text) | |
| 2 | 7 Oct – 11 Oct | | Monday 7 October — King's Birthday Holiday Computation thinking & problem-solving process Computational thinking Loops and Buttons and Decision Making | |
| 3 | 14 Oct – 18 Oct | | Creating a digital solution Playing Music Randomisation | |
| 4 | 21 Oct – 25 Oct | | Exploring decomposition Assessment task introduction Solution decomposition Identifying criteria for success | SA3 Digital folio checkpoint |
| 5 | 28 Oct – 1 Nov | | Developing a digital solution Visual of User experience Algorithms (IPO Table) Collaboration of Micro: bit project | |
| 6 | 4 Nov – 8 Nov | | Generating prototypes Generating code Documenting errors/improvements | SA3 Digital folio draft Due Friday 8 th Nov – 5pm |
| 7 | 11 Nov – 15 Nov | | Debug digital solution Debug Micro-bit program Documenting errors/improvements Collaborative feedback | |
| 8 | 18 Nov – 22 Nov | | Friday 22 November — Aquatic carnival: Prep – Year 11 Evaluating digital solution Evaluation and reflection Collaborative feedback | |
| 9 | 25 Nov – 29 Nov | | Finalise assessment Submit folio final | SA3 Digital folio final Due Wednesday 27 th Nov – 5pm |
| 10 | 2 Dec – 6 Dec | | Digital challenge Digital culminating task | |
| 11 | 9 Dec – 13 Dec | | Wednesday 11 December — Connect day: Years 7–9 Digital challenge Digital culminating task | |