

## STEAM – Operational Plan 2018

### Design Technologies

**Objective 1:** Engage students with opportunities to apply their learning across multiple contexts.

Strategies	Resources	Who	When	Assessment and Evaluation
<ul style="list-style-type: none"> <li>• Develop a Willetton Primary School STEM workbook and design process               <ul style="list-style-type: none"> <li>○ Develop whole school approach and language to STEM</li> <li>○ Design year level specific workbook and process flowchart ‘SPARC’</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Release Time</li> <li>• Staff Meeting/SDD</li> </ul>	<ul style="list-style-type: none"> <li>• Joshua Jardine (Admin)</li> <li>• Jane (STEM)</li> <li>• STEM Committee</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>	<ul style="list-style-type: none"> <li>• Cluster Planning</li> <li>• 2019 Operational Plan</li> </ul>
<ul style="list-style-type: none"> <li>• STEM Skill Set Checklist</li> </ul>	<ul style="list-style-type: none"> <li>• Staff Meeting/SDD</li> </ul>	<ul style="list-style-type: none"> <li>• Jane (STEM)</li> </ul>	<ul style="list-style-type: none"> <li>• Semester 1</li> </ul>	<ul style="list-style-type: none"> <li>• Staff Meeting/SDD Minutes SAIS data</li> </ul>
<ul style="list-style-type: none"> <li>• STEM in Sustainability Activities – School Wide               <ul style="list-style-type: none"> <li>○ K-2 = Bug Catchers/Worm Farms</li> <li>○ 3-6 = Bird Feeders</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Recycled Materials</li> <li>• REmida (\$365)</li> <li>• Tools (\$2000)</li> <li>• Consumables (\$500)</li> </ul>	<ul style="list-style-type: none"> <li>• Joshua Jardine (Admin)</li> <li>• Jane (STEM)</li> <li>• Whole School</li> </ul>	<ul style="list-style-type: none"> <li>• Term 2</li> <li>• Week 6-9</li> <li>• SDD Wk5</li> </ul>	<ul style="list-style-type: none"> <li>• Newsletter Display</li> <li>• Newspaper Coverage?</li> <li>• Teacher Feedback</li> </ul>
<ul style="list-style-type: none"> <li>• Willetton Wacky Racers               <ul style="list-style-type: none"> <li>○ K-2 =Balloon Racers</li> <li>○ 3-6 = Propeller Cars</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• National Science Week Grant (\$500)</li> <li>• Prizes (\$100)</li> </ul>	<ul style="list-style-type: none"> <li>• Joshua Jardine (Admin)</li> <li>• Jane (STEM)</li> <li>• Whole School</li> </ul>	<ul style="list-style-type: none"> <li>• 11<sup>th</sup>-19<sup>th</sup> August (Term 3)</li> </ul>	<ul style="list-style-type: none"> <li>• Grant Equital</li> <li>• Newsletter Display</li> <li>• Newspaper Coverage</li> <li>• Teacher Feedback</li> </ul>
<ul style="list-style-type: none"> <li>• Willetton Wild Water Park               <ul style="list-style-type: none"> <li>○ K-2 =Birdbaths</li> <li>○ 3-6 =Water Slide</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Class Budgets (T&amp;E)</li> </ul>	<ul style="list-style-type: none"> <li>• Joshua Jardine (Admin)</li> <li>• Jane (STEM)</li> <li>• Whole School</li> </ul>	<ul style="list-style-type: none"> <li>• National Water Week – 21-27 October (Term 4)</li> </ul>	<ul style="list-style-type: none"> <li>• Newsletter Display</li> <li>• Newspaper Coverage?</li> <li>• Teacher Feedback</li> </ul>

**Objective 3:** Present high-quality physical and digital learning experiences and environments.

Strategies	Resources	Who	When	Assessment and Evaluation
<ul style="list-style-type: none"> <li>• Develop and equip a STEM workspace</li> </ul>	<ul style="list-style-type: none"> <li>• ????????</li> </ul>	<ul style="list-style-type: none"> <li>• Joshua Jardine (Admin)</li> <li>• Jane (STEM)</li> <li>• Admin Team</li> </ul>	<ul style="list-style-type: none"> <li>• 2018-2020</li> </ul>	<ul style="list-style-type: none"> <li>• ?????</li> </ul>

## Digital Technologies

**Objective 1:** Engage students with opportunities to apply their learning across multiple contexts.

Strategies	Resources	Who	When	Assessment and Evaluation
<ul style="list-style-type: none"> <li>Implement before school coders club for interested students in years 3 and 4 – ‘Code Orange’</li> </ul>	<ul style="list-style-type: none"> <li>School Macbooks</li> <li>Science Lab/Library</li> </ul>	<ul style="list-style-type: none"> <li>Joshua Jardine</li> <li>John Wegner</li> </ul>	<ul style="list-style-type: none"> <li>Term 2 Friday</li> </ul>	<ul style="list-style-type: none"> <li>Student Feedback Form</li> <li>Community Uptake (tracked through EOI)</li> </ul>
<ul style="list-style-type: none"> <li>Implement before school robotics club for interested students in years 3 and 4 - ‘Code Orange’</li> </ul>	<ul style="list-style-type: none"> <li>School iPads</li> <li>DOE Robotics Kits</li> <li>Dash and Dot</li> <li>Science Lab/Library</li> </ul>	<ul style="list-style-type: none"> <li>Joshua Jardine</li> </ul>	<ul style="list-style-type: none"> <li>Term 3 Friday</li> </ul>	<ul style="list-style-type: none"> <li>Student Feedback Form</li> <li>Community Uptake (tracked through EOI)</li> </ul>

**Objective 2:** Equip and develop staff knowledge and application of Digital Technology Skills.

Strategies	Resources	Who	When	Assessment and Evaluation
<ul style="list-style-type: none"> <li>Staff representatives to attend PD ‘Exploring the Digital Technologies Curriculum with the iPad’</li> <li>Report back and share with whole staff at a staff meeting</li> </ul>	<ul style="list-style-type: none"> <li>Exploring the Digital Technologies Curriculum with the iPad’ PD – No release required</li> <li>SDD</li> </ul>	<ul style="list-style-type: none"> <li>Desley Spencer-James</li> <li>Paul Howard</li> </ul>	<ul style="list-style-type: none"> <li>Term 1 – PD</li> <li>Term 2 - Share</li> </ul>	<ul style="list-style-type: none"> <li>Teacher feedback form</li> <li>SDD Minutes</li> </ul>
<ul style="list-style-type: none"> <li>Provide staff with SCSA assessment materials to support programming and assessment of the Digital Technologies Curriculum in Semester 2</li> </ul>	<ul style="list-style-type: none"> <li>SCSA Judging Standards Tasks</li> </ul>	<ul style="list-style-type: none"> <li>Joshua Jardine</li> </ul>	<ul style="list-style-type: none"> <li>Term 3</li> </ul>	<ul style="list-style-type: none"> <li>SAIS Data</li> </ul>
<ul style="list-style-type: none"> <li>Provide staff with PL on the use of Connect to engage with students and parents</li> </ul>	<ul style="list-style-type: none"> <li>Staff meetings</li> <li>Connect</li> </ul>	<ul style="list-style-type: none"> <li>Jan Loftus (e-schooling)</li> <li>Joshua Jardine</li> <li>Admin Team</li> </ul>	<ul style="list-style-type: none"> <li>Term 2</li> </ul>	<ul style="list-style-type: none"> <li>Teacher Feedback</li> <li>Connect usage report</li> </ul>
<ul style="list-style-type: none"> <li>Voluntary after school robotics/coding sessions for staff</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>	<ul style="list-style-type: none"> <li>Joshua Jardine</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>
<ul style="list-style-type: none"> <li>Teachers in years 4-6 to receive in class coaching sessions on the use and integration of MacBook laptops</li> </ul>	<ul style="list-style-type: none"> <li>32 Macbooks</li> </ul>	<ul style="list-style-type: none"> <li>Joshua Jardine</li> <li></li> </ul>	<ul style="list-style-type: none"> <li>Term 2</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>

**Objective 3:** Present high-quality physical and digital learning experiences and environments.

Strategies	Resources	Who	When	Assessment and Evaluation
<ul style="list-style-type: none"> <li>BYOD iPad program for years 3-6</li> <li>Provide teachers with an iPad equipped with student apps</li> </ul>	<ul style="list-style-type: none"> <li>BYOD Agreements</li> <li>Winthrop Ordering Portal</li> <li>teacher iPads</li> <li>P&amp;C funding</li> </ul>	<ul style="list-style-type: none"> <li>STEM committee</li> <li>Winthrop</li> <li>P&amp;C</li> </ul>	<ul style="list-style-type: none"> <li>Term 1 – PD</li> <li>Term 2 - Share</li> </ul>	<ul style="list-style-type: none"> <li>BYOD uptake</li> </ul>
<ul style="list-style-type: none"> <li>Provide students in year 1-2 with the opportunity to use a bank of iPads</li> </ul>	<ul style="list-style-type: none"> <li>55 school iPads</li> <li>Winthrop Australia</li> </ul>	<ul style="list-style-type: none"> <li>STEM Committee</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>	<ul style="list-style-type: none"> <li>Timetables</li> <li>Feedback</li> </ul>

<ul style="list-style-type: none"> <li>Provide students in year 3-6 with the opportunity to use a bank of Macbooks</li> </ul>	<ul style="list-style-type: none"> <li>32 Macbooks</li> <li>Winthrop Australia</li> </ul>	<ul style="list-style-type: none"> <li>STEM Committee</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>	<ul style="list-style-type: none"> <li>Timetables</li> <li>Feedback</li> </ul>
<ul style="list-style-type: none"> <li>Replacement of aging Smarboard with eBoard</li> <li>Year 3-6 to be replaced</li> </ul>	<ul style="list-style-type: none"> <li>AV Media Lease of 12 eBoards = \$17000 per year</li> </ul>	<ul style="list-style-type: none"> <li>AV Media</li> </ul>	<ul style="list-style-type: none"> <li>Term 1</li> </ul>	<ul style="list-style-type: none"> <li>Teacher Feedback</li> </ul>
<ul style="list-style-type: none"> <li>Installation and management of MDM for school owned iPads (Zulu Desk)</li> </ul>	<ul style="list-style-type: none"> <li>Zulu Desk &amp; Winthrop Australia = \$4000</li> </ul>	<ul style="list-style-type: none"> <li>STEM committee</li> <li>Winthrop</li> </ul>	<ul style="list-style-type: none"> <li>TBA</li> </ul>	<ul style="list-style-type: none"> <li>Teacher Feedback</li> </ul>

**Objective 4: Develop and maintain a distinctive school identify that engages stakeholders through effective communication**

<b>Strategies</b>	<b>Resources</b>	<b>Who</b>	<b>When</b>	<b>Assessment and Evaluation</b>
<ul style="list-style-type: none"> <li>Use Connect as main form of communication between the school-parents and teachers-parents.               <ul style="list-style-type: none"> <li>Activate and maintain the 'School Space' on Connect</li> <li>Host information session on the use of Connect for parents</li> <li>Redesign the school website to include Absence requests</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Razoreye Designs (Website)</li> <li>Staff Meeting/SDD</li> </ul>	<ul style="list-style-type: none"> <li>Joshua Jardine</li> <li>Admin Staff</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>	<ul style="list-style-type: none"> <li>Number of Connect Views</li> <li>Parent Feedback</li> </ul>
<ul style="list-style-type: none"> <li>Use Connect as main form of communication between the School board</li> </ul>	<ul style="list-style-type: none"> <li>Connect</li> </ul>	<ul style="list-style-type: none"> <li>Joshua Jardine</li> <li>School Board</li> </ul>	<ul style="list-style-type: none"> <li>Term 1</li> </ul>	<ul style="list-style-type: none"> <li>Connect Useage</li> </ul>

## Sustainability

### Objective 2: Embed sustainability practices across the school community.

Strategies	Resources	Who	When	Assessment and Evaluation
<ul style="list-style-type: none"> <li>• Build on existing programs and infrastructure to create a sustainable organic vegetable garden for students' participation</li> </ul>	<ul style="list-style-type: none"> <li>• Worm Farms (\$500)</li> <li>• Wiggly Worms Incursion (\$225)</li> <li>• Plants/Seeds (\$500)</li> <li>• Mulch/Soils (\$500)</li> </ul>	<ul style="list-style-type: none"> <li>• Laura Ainsworth</li> <li>• School Gardener</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>	
<ul style="list-style-type: none"> <li>• Provide students in the ECE with hands-on learning experiences involving Sustainability practices</li> </ul>	<ul style="list-style-type: none"> <li>• Aquaponics Set Up (\$1000)</li> </ul>	<ul style="list-style-type: none"> <li>• Rachel Molloy</li> <li>• Joshua Jardine</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>	
<ul style="list-style-type: none"> <li>• Provide students with the opportunity to participate in lunch time gardening activities – 'Garden Friends'</li> </ul>	<ul style="list-style-type: none"> <li>• Budget - \$100</li> </ul>	<ul style="list-style-type: none"> <li>• Jo Tokin-Case</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>	
<ul style="list-style-type: none"> <li>• Reduce               <ul style="list-style-type: none"> <li>○ Conduct a school energy/water audit and explore ways to reduce consumption at WPS</li> <li>○ Energy Monitors?</li> <li>○ Conduct a school Earth Hour?</li> <li>○ School-wide paper free day?</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>	<ul style="list-style-type: none"> <li>• Laura Ainsworth</li> <li>• Year ?</li> <li>• Joshua Jardine</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>	<ul style="list-style-type: none"> <li>• Reduction in operating costs</li> <li>• Audit result</li> </ul>
<ul style="list-style-type: none"> <li>• Recycling               <ul style="list-style-type: none"> <li>○ Red Bucket Composting – Each classroom to be provided with a red bucket to collect fruit scraps for composting</li> <li>○ Paper recycling bins to be placed in all buildings and collected regularly by students</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Red Buckets for each class (\$50)</li> </ul>	<ul style="list-style-type: none"> <li>• Paul Howard</li> <li>• Laura Ainsworth</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>	
<ul style="list-style-type: none"> <li>• Integrate and teach the principles of Sustainability and the environment into all learning areas</li> <li>• Join the Sustainable Futures program (CSIRO)</li> </ul>	<ul style="list-style-type: none"> <li>• Sustainable Futures program (CSIRO)</li> </ul>	<ul style="list-style-type: none"> <li>• ???</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>	