



BY USING 'MAKEY MAKEY' IN YOUR CLASSROOM, YOU COULD POTENTIALLY COVER THE FOLLOWING CONTENT DESCRIPTIONS FROM THE AUSTRALIAN CURRICULUM

| CURRICULUM AREA | FOUNDATION – YEAR 2 | YEAR 3 & 4 | YEAR 5 & 6 |
|---------------------------|---|---|--|
| DIGITAL & TECHNOLOGIES | <p>Explore the characteristics and properties of materials and components that are used to produce designed solutions (ACTDEK004)</p> <p>Use materials, components, tools, equipment and techniques to safely make designed solutions (ACTDEP007)</p> | <p>Investigate the suitability of materials, systems, components, tools and equipment for a range of purposes (ACTDEK013)</p> | <p>Investigate how electrical energy can control movement, sound or light in a designed product or system (ACTDEK020)</p> <p>Select appropriate materials, components, tools, equipment and techniques and apply safe procedures to make designed solutions (ACTDEP026)</p> |
| SCIENCE | <p>Physical Science- Year 1 Light and sound are produced by a range of sources and can be sensed (ACSSU020)</p> <p>Science as a Human Endeavour F-2 Science involves observing, asking questions about, and describing changes in, objects and events (ACSHE013), (ACSHE021), (ACSHE034)</p> <p>Science Inquiry Skills F- 2 Engage in discussions about observations and represent ideas (AC SIS233), (AC SIS213), (AC SIS041)</p> <p>Participate in guided investigations to explore and answer questions (AC SIS011), (AC SIS025), (AC SIS038)</p> | <p>Science as a Human Endeavour 3-4 Science involves making predictions and describing patterns and relationships (ACSHE050), (ACSHE061)</p> <p>Science Inquiry Skills 3-4 With guidance, identify questions in familiar contexts that can be investigated scientifically and make predictions based on prior knowledge (AC SIS053), (AC SIS064)</p> <p>Compare results with predictions, suggesting possible reasons for findings (AC SIS215), (AC SIS216)</p> | <p>Physical Science Year 6 Electrical energy can be transferred and transformed in electrical circuits and can be generated from a range of sources (ACSSU097)</p> <p>Science as a Human Endeavour 5-6 Scientific knowledge is used to solve problems and inform personal and community decisions (ACSHE083), (ACSHE100)</p> <p>Science Inquiry Skills 5-6 Identify, plan and apply the elements of scientific investigations to answer questions and solve problems using equipment and materials safely and identifying potential risks (AC SIS086), (AC SIS103)</p> <p>Reflect on and suggest improvements to scientific investigations (AC SIS091), (AC SIS108)</p> |



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| CURRICULUM AREA | YEAR 7 & 8 | YEAR 9 & 10 |
|---------------------------|---|--|
| DIGITAL & TECHNOLOGIES | <p>Analyse how motion, force and energy are used to manipulate and control electromechanical systems when designing simple, engineered solutions (ACTDEK031)</p> <p>Select and justify choices of materials, components, tools, equipment and techniques to effectively and safely make designed solutions (ACTDEP037)</p> | <p>Investigate and make judgments on how the characteristics and properties of materials, systems, components, tools and equipment can be combined to create designed solutions (ACTDEK046)</p> |
| SCIENCE | <p>Physical Science- Year 8 Energy appears in different forms, including movement (kinetic energy), heat and potential energy, and energy transformations and transfers cause change within systems (ACSSU155)</p> <p>Science Inquiry Skills 7-8 Measure and control variables, select equipment appropriate to the task and collect data with accuracy (ACSI126), (ACSI141)</p> <p>Communicate ideas, findings and evidence based solutions to problems using scientific language, and representations, using digital technologies as appropriate (ACSI133), (ACSI148)</p> | <p>Physical Science- Year 9 Energy transfer through different mediums can be explained using wave and particle models(ACSSU182)</p> <p>Science Inquiry Skills 9-10 Select and use appropriate equipment, including digital technologies, to collect and record data systematically and accurately (ACSI166), (ACSI200)</p> |