**COURSE NAME:** Integrated Learning: Digital Technology/Industry Skills

**Course Location:** Daws

**Pathway:**

This course covers a range of different technologies commonly used in the manufacturing and construction industry. These include hand tools as well as computer systems to produce drawings and complete related documentation for final products, giving students a taste for further study in this area.

**Program Description:**

This course is designed to provide students with an introduction to industry safety and expectations through use of hand tools, machinery and materials for a range of practical areas. Students will design and construct a range of projects using everyday materials. Students will also have the opportunity to use computer programs for design and construction, coding and programming through (CAD-Sketch Up), Robotics (Lego Mindstorms EV3) and will develop engineering principles through Pathfinder. The emphasis is placed on using modern applications to finalise the solutions to design problems. This course is suited to students who have a keen interest in Digital/Construction Technology.

**SACE Credits:** 20  
**Stage 1**  
**Semester(s):** Full year

**Delivery Day:** Fridays  
**Time:** 9.30am – 2:30pm  
**Program commencement date:** Week 2, Term 1 2020

**Special Requirements:** Students are required to wear personal protective equipment for safety. The Centre provides sunblock, high visibility vests, gloves and ear protection, however students will need their own work boots, sun hat and basic stationery items as requested by the teacher. LearnLink details are essential to access the Internet.

**Course Costs:**

Pre-loaded Metro Card for public transport travel.

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