

## Project Profile

# Surrey Downs R-7 School STEM Works



<b>Client</b>	Department of Planning, Transport and Infrastructure
<b>Location</b>	Adelaide, SA
<b>Duration</b>	December 2017 to July 2018
<b>Contract</b>	Lump Sum Novated Design and Construct
<b>Cost</b>	\$1.0 million

## Project Overview

The Department of Planning, Transport and Infrastructure’s Science, Technology, Engineering and Mathematics (STEM) Works program provides \$250 million funding over three years to refurbish and redevelop 139 primary and secondary school facilities for the provision of contemporary STEM programs. The new learning facilities will support and enhance student engagement in STEM related areas to encourage future innovation and productivity.

### Scope of Work

McMahon Services were contracted by Department of Planning, Transport and Infrastructure as part of the STEM program to undertake design completion and refurbishment works for existing buildings at Surrey Downs R-7 School.

Remediation works included the removal and disposal of asbestos containing materials such as cement ceiling tiles and existing ceiling grid in the foyer, and several classrooms.

Demolition works included the removal of doors and frames, suspended ceilings tiles, floor coverings, landings, steps and a ramp to front entry to allow for new entrance to be constructed. Additional removal and disposal work included removal of dividing walls

### McMahon Services

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and air conditioning bulkheads.

The civil and earthworks included the cut and preparation of the entrance area to allow ramp and step installation, importation of new rubble for compaction, detailed excavation for internal footings, concrete pour for pad footings and the placement and finishing of concrete slabs.

Structural steel supply and construction works included columns, roof beams, operable wall beams, tie beams, wall braces and steel to steel fasteners. A new floor was fitted within the retained structures.

Partition, ceiling and lining works included supply and install of new WA:02 walls which contained 76mm steel track and stud framing, 70mm thick R2.0 insulations batts, 12mm high impact plasterboard up to 1200mm high and 13mm plasterboard 1200mm high, all flushed and sanded ready for painting.

Other works included the demolition and reinstallation of hydraulic services, mechanical services, fire services, security services and electrical services, as well as the supply and installation of a new 10kW solar system. The building was completed with new joinery, painting and signage.

