



STEM Projects Club

30th of January, 2019

Dear Parents/Guardians,

STEM Projects is an after school club for students with a passion for science and/or technology.

STEM Projects is for students of all year levels in the secondary College from Years 7 right through to 12. We have excellent science and technology resources at the College and what we're striving for is to encourage students to grow in their skills, abilities and interests so they will be devising, innovating, collaborating, building their own technology and science projects.

What does this look like?

For year 7/8 students we offer the *SPECTRA* science awards. These awards allow students to follow their passions - studying everything from chemicals to bugs to flight to astronomy – about 20 different study areas in total. No previous experience is required other than a joy for science. Meanwhile, students from Years 9 – 12 will work on their own science projects as part of the *CREST*¹ science award scheme run by the CSIRO. As part of this scheme students can complete bronze, then silver, then gold awards. Students in Year 12 could complete a gold award at the same time as they complete their Year 12 Research Investigation. At each step of the process we will help coach and resource students involved in STEM projects. Those students interested in science projects would be working mostly with Ms Reiersen and Mr Banham.

Students interested in technology, robotics and electrical engineering are encourage to use the technology space with Mr McFly. Students seen in this space may be working on small electronic projects, improving soldering skills, working with printed circuit boards, building functional PCs, working on coding modules, rendering and 3D printing their own design projects, implementing the design process for any number of projects and of course working in teams throughout the year in annual 3D rendering and robotics competitions.

Our senior students (SACE) may also see either space as an optional time to continue work on their major/minor science/technology projects or teach new skills to younger students.

STEM Projects is held on **Wednesday** afternoons between 3.30 and 4.30 pm. Our first meeting for 2019 will be on **Wednesday Week 3 (13th February)**, meeting in MY6 at 3.30 pm. Consent forms should be returned to home group teachers. If you have any queries about STEM Projects please do not hesitate to contact Mr McFly (ryanmcfly@prescottcollegesouthern.sa.edu.au).

Ryan McFly
STEM Projects Coordinator

Christine Clark
Principal

Students Name: _____ Class: _____

My son/daughter has permission to participate in *STEM Projects* every Wednesday between the hours of 3:30pm and 4:30pm. I verify that I am able to collect my child from the *Prescott Southern* parking area at 4:30pm.

Parent / Guardian Signature: _____ Date: _____

¹ CREST stands for Creativity in Engineering, Science and Technology