SCIENCE | TECHNOLOGY | ENGINEERING | MATHEMATICS

The STEM space is an exciting place where students explore aspects of Science, Technology, Engineering and Mathematics.
During all STEM lessons we will be focusing on the 4C's of STEM: communication, collaboration, critical thinking and creativity.

Strategies That Engage Minds

This term in S.T.E.M students will:

Prep	• follow the engineering design process (ask, imagine, plan, create, improve and share) to complete STEM building challenges related to traditional fairytales. • engage in Christmas STEM challenges
Year 1 & Year 2	• learn that an algorithm is a series of steps to solve a problem through completing plugged coding tasks • explore basic programming and coding using Scratch Junior • program small robotic devices Eg: Ozobots • engage in Christmas STEM challenges
Year 3 & Year 4	• continue our investigations of bridges and the engineering of bridges • build Lego models following a design brief and program the models using coding skills. • utilise block-based coding to complete programming challenges using Scratch. • use iPads and Chromebooks as learning tools to: take photos and videos, create code, practise keyboarding, program robotic devices, and record and document their learning. • engage in Christmas STEM coding challenges
Year 5 & Year 6	• learn about the solar system and how planets orbit the sun. • explore coding and programming through plugged tasks using Chromebooks and Ipads • design and develop digital solutions using algorithms that incorporate branching, decision-making and repetition in programming • work independently on Code Org and Scratch projects to develop their visual programming skills
Contact Information 	*If you have any questions or queries relating to the STEM program please get in touch.* *Vanessa Jennings* *vanessa.jennings@stcberwick.catholic.edu.au*