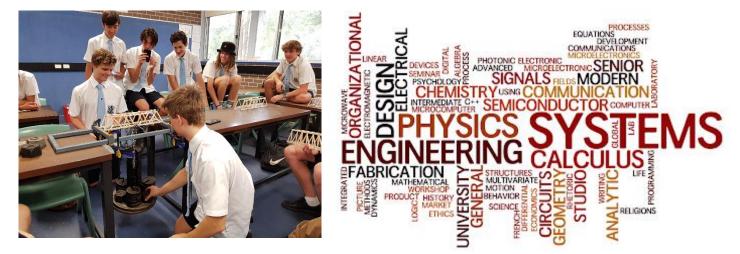
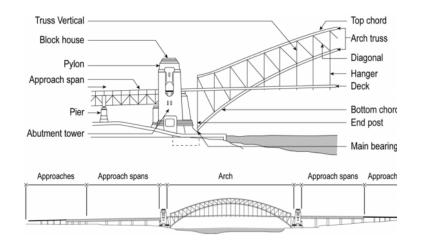
Engineering Studies

This subject develops invaluable skills and knowledge to be used in future studies of Engineering, Building, Science or Applied Science or related TAFE studies and technical vocations. It involves the study of materials (metals, plastics, ceramics and composites) and the use of graphics and calculations to solve engineering problems.



Year 11 students testing their truss bridges

Several modules are studied including Engineering Fundamentals, Braking Systems, Biomedical Engineering, Civil Structures, Personal and Public Transport, Aeronautical Engineering and Telecommunications Engineering. These allow us to investigate the inter-relationship of materials, their physical and mechanical properties and aspects of technical drawing.





Sydney Harbour Bridge Truss Analysis Excursion

The study of the role of Engineers and the preparation of Engineering Reports form an integral part of this course. Practical activities involve the construction of engineering models, the testing of engineering materials using sophisticated testing equipment and computer simulations, and workshop activities to examine the structure of materials and how their properties can be modified.