

Subject name	Industrial Graphics Skills
Subject code	IGS
Additional subject cost	\$70 consumables fee in Year 9 and \$35 in Semester 1, Year 10
Prerequisites	Nil
Course overview	To learn different ways to communicate graphically using drawing equipment and computers. These skills are used to solve various graphic design problems. Students will make prototypes of their design using advanced manufacturing machines including 3D printers, laser cutters and CNC routers.
Course outline	The areas of study embraced by the Australian Curriculum are: <ul style="list-style-type: none">- Computer Aided Drawing (CAD, AutoCAD, Inventor, Rivit)- 2D and 3D presentations- Computer Aided Manufacturing (CAM)
Assessment	Progressive and involves in-class assignments and some class exams (theory and practical).
Subject requirements	Students are to provide their own pencils, one 2H and one H, as well as an eraser. All drawing equipment is provided. Minimum of an 8 GB USB is required specifically for this subject.
BYOD program	Please refer to the 'Bring Your Own Device (BYOD) booklet for the minimum specifications required before purchasing a device. Minimum of Intel 5.
Career opportunities	<p>A knowledge of graphics is vital for all trades and helpful in many others particularly those which rely on drawing interpretation. A good grasp of graphical communication skills will put you at a definite advantage in the workforce.</p> <p>Graphics is very important in the following occupations:</p> <ul style="list-style-type: none">- advertising agency- architect- bricklaying- commercial graphics- construction- design office magazine layout- draftsman- electrician- engineering- manufacturing- excavation- fashion design- furnishing- packaging design- painting- plumbing- printing- publishing- site foreman