Design and Technology is an area of specialist education in which students are given the opportunity to take part in a number of exciting and rewarding practical activities. The subjects develop the beginnings of a formalised approach to design.

All subjects provide boys and girls with knowledge and skills that can be used in their future careers and in pursuit of recreational activities. Students intending to continue study in Year 11 and 12 can develop their early interest in practical and design skills through study of DESIGN and TECHNOLOGY subjects. The facilities at our school are among the best in the region.

**Design Technical Graphics 9TDTG**
Technical Graphics is for students interested in developing skills in the areas of Architecture, Engineering and Technical Illustration. This subject introduces students to basic techniques such as linework and finish for pen and pencil, projection and Computer Aided Drawing (CAD). These outcomes are achieved through a series of graphics projects in Pictorial (Perspective, Oblique and Isometric), Architectural, Engineering and Orthographic drawings.

**Wood Technology 9TDW**
In this subject students develop and expand their process skills and knowledge in woodwork, and consolidate hand skills. This is a subject where design methods and projects are introduced in preparation for later subjects. Students will also be able to use their own design ideas to tailor make a solution. This subject will also give students the skills to start evaluating their own work, in order to improve their problem solving techniques.

**Metals Technology 9TDM**
In this subject students develop competence in the use of a range of metalworking hand tools, safe work procedures with power tools and associated equipment, and the reading of simple workshop drawings. New skills and processes introduced include sheet metalwork, benchwork, threading, planishing, the use of the oxy-acetylene equipment, and turning on
a metal lathe. Students use a wide range of specialised metalworking handtools and equipment.

**Jewellery Design 9TDJ**

Through the process of design, students will create their own articles of jewellery. This is a foundation course that introduces students to the skills involved in the process of designing and producing articles of jewellery. This will include skills such as filing, shaping, soldering, applying textures and finishes to a range of materials. Brass, copper, nickel silver, glass and wood are used to produce rings, bracelets and pendants. Students will develop an awareness of the use of other materials such as cubic zirconias, gemstones, shells, pearls, and stainless steel.

**Robotics 9TDR**

This unit focuses on students existing knowledge of sensor control and simple mechanisms. Students will take part in five activities that form the Green City Challenge. The focus is upon renewable energy systems. Students are encouraged to enter the Junior Robocup competition in Dance, Rescue and Soccer hosted by Curtin University.

During the second half of the unit students are introduced to the basic building blocks of electronics. They will construct a simple circuit and in turn develop an understanding of electronic components and their functions.

**Need more information? Ask the teachers below:**

Mr Fragomeni, Mr Noack, Ms Wansbrough, Mr Mylonas (Head of Technology & Enterprise)

------------- HOME ECONOMICS -------------

Home Economics is a fun, hands on subject area, encompassing many life skills. Using a technology and health focus students are encouraged to use their own initiative to solve problems while working co-operatively with others; using appropriate equipment and managing time effectively. This is done in the contexts of food and health, food cuisines and cultures and textiles and fashion.

**Food Technology 9TH1F**

(Semesters 1 & 2)

The food course offers students the opportunity to creatively prepare and present a wide variety of foods. They will have the chance to develop their practical food preparation skills whilst using a range of ingredients and equipment. Students will be able to investigate different production techniques, while demonstrating self-expression and creativity in the making of simple meals. Students will complete a program that includes applying the
Technology Process to develop their own food products based on their knowledge of ingredients and nutritional requirements.

Textiles/ Craft 9TH1T
In the Textiles course the students will explore, create and make their own designs for a fashionable item using a variety of colours, fabrics and textures, and craft techniques such as embroidery, appliqué, quilting or beading. Further opportunities will be available for creativity with textiles for personal garments. Students will construct fashionable garments using the Technology Process and up-to-date techniques that save time and energy.

Personal Management 9TH1P
As the pace of life gets faster and the cost of entertaining ourselves increases, the need to make better economical use of our leisure time become more important. The Personal Management course examines the personal and social development of teenagers. Students will be given the opportunity to participate in a variety of practical activities including workshops on make-up, hair care, skin care, fashion/wardrobe planning and planning and preparation for a social function.

Need more information? Ask the teachers below:
Ms Alexander, Ms Murray, Ms Clarke

-----BUSINESS STUDIES & INFORMATION TECHNOLOGY-----

Workplace Computers 9TB1W
Workplace Computers allows students to acquire skills in the software package Microsoft Office eg Word, Access – databases, Excel – spreadsheets and Publisher. All of these software skills are essential tools for students. The subject allows students to gain the competitive edge when it comes to the completion of assignments and to impress their readers with professional eye-catching assignments.

Webpage Design and Animation 9TB1A
Students develop graphic editing and animation skills. The Adobe suite will be utilised: Fireworks will be utilised to digitally manipulate pictures and Flash to produce animation of text and pictures. With these basic skills, students will be able to plan and develop website content using the Dreamweaver application program.

Need more information? Ask the teachers below:
Mr N. Smith, Mr Mylonas (Head of Technology & Enterprise)
THE ARTS LEARNING AREA - Year 9, 2014

SHOW YOUR TALENTS AND ENRICH OUR SOCIETY

**Visual Arts Painting**
Students are taught skills and techniques in painting using acrylic, watercolour and mixed media on canvas and board. Painting styles such as Surrealism and Expressionism are a key influence. Themes studied are portraiture and still life.

Assessment: Folio and Studio Work.

**Visual Arts Ceramics And Sculpture**
Students are taught skills in ceramic and sculpture. Techniques such as slab, coil, pinch pot and glazing are explored. Themes include figure, mechanical, architecture and portraiture.

Assessment: Folio and 2 Studio Works.

**Visual Arts Drawing**
Students are taught skills and techniques in drawing using a variety of media such as pen, pencil, charcoal, chalk and ink. Themes include figure, still life, mechanical, architecture and portraiture.

Assessment: A4 sketchbook.

**Media**
Students will complete a variety of tasks within the context of Feature Film. They will look at the context of Hollywood film genre. Tasks include film analysis, making movie posters, and creating their own mini movie using cameras and computers.

Assessment: folio of work and video of film

**Dance**
Students are taught skills by participating in technique classes. From here they work in small groups to choreograph their own routine and perform. Students develop group skills, are creative, appreciate dance as a form of entertainment and build self confidence.

Assessment: Dance folio, research assignment, choreography and performance

**Drama**
Students will engage in Drama tasks which involve improvisation, self-devised drama and interpretation of extracts of plays and other texts.

Much of their work will be in groups encouraging them to build their teamwork. There will be a written element to their course.
Music
The music course offers students lessons in playing the guitar, keyboard and tuned percussion. Students study a variety of music in set themes like “Music used in Advertising”, “Folk music of Australia” and “Music for television and film”. For continuing music students this course offers a continuation of their music knowledge learnt in year 8 without the need for a musical instrument at home.

Music (Instrumental)
Students who elected the instrumental music course in year 8 are expected to continue their study with S.I.M. and the instrumental course. New students to the school who have experience in playing a musical instrument or are currently undergoing lessons are invited to enrol in this course.

Multi Media
Students complete a variety of tasks using advanced skills in such software as Flash, Macromedia, Microsoft Office and Photoshop. Teacher and student designed projects and theme are developed depending upon the skill level and experience of the student.