Descriptions for Year 9 Electives 2015
TECHNOLOGY

Bakehouse
This is designed to introduce students to the skills required to produce a wide range of baked goods both sweet and savoury. Students will prepare a variety of flour-based products (e.g. pastries, cakes, biscuits and slices). They will investigate the role major ingredients (flour, fat and sugar) play in the preparation and cooking process. Students will learn to diagnose and rectify faults in the cooking process. Consideration will be given to the role these products play in a balanced diet and the modification of recipes to improve the nutritional quality (e.g. reduced fat and sugar).

Students will be encouraged to explore their own cultural backgrounds for examples of baked goods and the role those foods play in festive occasions. Students will be exposed to the career opportunities found in the hospitality industry, particularly in the baking area (e.g. baker, pastry cook and confectioner, through excursions to industry).

Cost: $75

International Cooking
Students will develop their awareness of the impact of immigrants to the formation of an “Australian Cuisine.” The unit will begin looking at the Australian Aborigine’s diet and trace the arrival of various ethnic groups (e.g. Chinese, Italians and Asians). Students will be involved in a variety of practical experiences, both individual and group work (e.g. buffet style presentations). Research related to cultural festivals, traditions and taboos will be studied in this unit via discussions, assignments and worksheets.

Cost: $75

Information Technology
The subject is designed to extend students’ knowledge and appreciation of Information Technology by using a range of software packages including Adobe Flash, Visual Basic and Microsoft Excel to create various products designed to educate, persuade, inform, entertain and communicate. Students will be introduced to structured programming techniques and methodologies. They will enhance their skills in using learning technologies to solve a range of problems and will be able to communicate their ideas in a variety of ways, including animation.

Cost: Nil
Digital Divas
This is a student-centred ICT elective for girls using Web 2 Technologies and is run in conjunction with Swinburne University of Technology. During the semester, students will consider Image Makers by producing a three-minute commercial giving a critique of image making. They will also create an online menu system for a restaurant, a digital story outlining women in IT, as well as sharing of information through blogs and wikis and a creating a brand/image. Students will also research careers in I.T. for women and be introduced to object-orientated programming using Alice. Student feedback from those who already participated in the course showed 83% of girls were not interested in a career in IT prior to doing the subject. However, after completion of the subject, 61% of students were interested in pursuing IT as a career pathway.

Cost: Nil

Design and Technology (Metal)
This course is practical-based and focuses on developing skills in design, construction and evaluation. Students will work through a series of structured projects. They will learn to design and construct patterns, select appropriate materials, and manage tools, equipment and processes safely and efficiently. Integrated tasks will address properties of metals, availability of resources and new developments in metal production.

Cost: $30

Jewellery Year 9
This unit encompasses the history of jewellery, the use of a variety of materials such as glass, acrylic, wood and ceramics as well as developing skills in the design process and workshop safety. Students will gain practical and design skills and apply problem-solving techniques in the course of this work. This could lead onto packaging and promotion of their products.

Cost: $50

Design and Technology (Wood)
This course is practical-based and focuses on the materials, equipment and processes used to produce a cabinet piece. Students will learn to plan ideas and construct working drawings. They will investigate different jointing, fixing and finishing techniques and they will learn to manage tools, machinery and processes safely and efficiently. Integrated tasks will address properties of timber, availability of resources and new developments in timber production.

Cost: $45

Robotics and Electronics
During this course students will assemble a robot from the mother board to the finished product. As the robot is constructed students will learn some basic electronics skills such as the use of servos, infrared emitters, detectors, and LEDs. They will then program the robot to perform various manoeuvres such as movement under program control, edge avoidance, and opponent detection based on a variety of sensor inputs, as well as navigation opponent hunting using programmed artificial intelligence. There will also be an opportunity for students to access the Lego Robotic kits as appropriate.

Cost: $10
**Junk Sculpture**  
This subject is based on practical and imaginative processes, in which students manufacture various sculptures from discarded objects and recyclables. The creative process of making a Junk Sculpture provides students with an opportunity to learn more about the principles of sculpture, working with pre-loved materials and creating something unique based around a theme. Students will look at junk from a whole new perspective!  

Cost: Nil

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**THE ARTS**

**Ceramics**  
Create art forms in 3D. This subject focuses on providing students with the opportunity to further develop problem-solving skills in construction and design using the medium of clay. Students will be required to investigate and analyse the works of other potters, artists and sculptors both past and present as well as develop and experiment with ideas and learn a range of building and decorative techniques such as coiling, slab, using moulds, modelling, underglazing, glazing, slip decoration, engraving and sgraffito. Use of the potter’s wheel may be incorporated depending on class size and the dynamics of the group.  

Assessment is made from a Visual Diary containing visual aids, preliminary drawings and notes; theory components of the subject; and completed ceramic works both functional and non-functional.  

Cost: $30

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**Photography**  
Photography lets students explore the world of "The Decisive Moment". They will be given a practical, hands on introduction to digital photography which explores and explains functions found on today's advanced digital cameras and an introduction to digital manipulation techniques using industry standard software. In the elective students will explore genres, composition, viewpoints and other photographers to give them a broader understanding of the art of photography. Photography by Gleneagles students may be entered into competitions, exhibitions and publications. Assessments include workbook, in class projects and folio.  

Cost: $40
**Promotional Design**

Improve on existing promotional graphic designs and layouts for the school or seek and create your own contribution such as a student newsletter. The school and general community always require impressive design works to promote their profile, projects or events. Students work in teams or individually and are required to investigate research and generate ideas prior to an agreed final piece. The final works remain the property of the school.

Areas of design involvement could include: newsletters or creation of a student newsletter, school programs, production, competitions, open night, SRC, parent/teacher night, magazine, student events. Items produced could include: Flyers, Posters, Certificates, Layouts, Graphic Art Contributions, Photographs, and Brochures. Assessment is made from a Visual Diary containing research, collated information, working drawings and layouts, as well as Finished Works.

Cost: Nil

**Visual Art**

This course focuses on two-dimensional art. Students will have the opportunity to develop their drawing skills, experiment and create art works using a range of techniques and materials. In order to broaden and help develop their ideas, they will analyse and investigate the works of other artists and art styles both past and present. Techniques and materials used generally include painting, printing, charcoal, pastels (both wet and dry), water colour pencils, inks and dyes, computer art references, collage, specialised papers and surfaces to enhance high quality work.

Assessment is made from a Visual Diary containing visual aids, preliminary drawings and experimentations; an Investigation into the work of artists and art movements past and present; and a Folio of finished artwork.

Cost: $25

**Visual Communication**

Want to be a graphic designer? Visual communication introduces students to all the basic techniques and knowledge required to create designs and drawings for commercial use. Students will learn what makes an eye-catching design or logo for an advertisement or a product. They will cover drawing techniques such as those used by architects.

Students will be required to respond to design briefs and produce final designs that target the client and publics needs. They will investigate the works of other designs, designers and their practices both past and present. Areas covered generally include drawing methods such as perspective and paraline, design principles (how to create a good design or composition), design process (the steps taken to develop, experiment and perfect designs), rendering techniques, computer technology and the use of a range of materials (markers, ink rendering and gouache).

Assessment is made from a Visual Diary containing preliminary drawings, visual aids, notes on solving design and construction; a Folio of graphic finished work; and an Investigation based on the process of design in past and present practices.

Cost: $25
**Film**

Film School puts students in the director’s chair and introduces them to the action packed world of film-making. They get access to powerful film editing software on the Apple Mac computers, film-making equipment and the green screen studio to create their big screen debut. Students learn basic film-making techniques and theories, study films and working on short exercises which culminate in creating a music video in group work. Students will be required to participate in group work which may include out-of-class activities. Films by Gleneagles students may be entered into competitions. Assessment includes workbook, in-class projects and a completed video sequence.

Cost: $30

**Drama**

Students will build on skills developed in improvisation, mime, melodrama, mask, performance skills and theatrical conventions. They will learn about different genres and acting styles, travel through different periods of theatre history and create their own dramas using various technologies and see performances by professionals.

The importance of cooperation, the ability to work in harmony with others and self confidence will be emphasised. Students participating in this elective must be prepared to participate in performances in front of the class or a wider audience.

Cost: Nil

**Music Performance**

Students currently learning an instrument or who intend to learn are strongly recommended to choose this subject in order to keep their options open for VCE Music. The emphasis will be placed on practical work with students developing skills on their instruments or voice by participating in solo or group work. Students may use this time to rehearse for upcoming performances such as Variety Night.

This subject will incorporate a wide variety of listening and creative tasks, including the use of current music computer technology. Students will develop skills in composition techniques and they will be required to complete relevant theory exercises at their own level. Students will continue to develop their aural skills. Topics covered in the written component will consist of the development of various music styles, including music of past eras. The levy is needed to cover the replacement of guitar strings, drum skins, headphones and other related costs.

Cost: $15

**Textile Art and Construction**

This subject consists of three main areas of study:

1. **Textile Art**: Students will explore a variety of textile techniques such as dying, printing, painting, embroidery, appliqué, patchwork and other forms of fabric manipulation.
2. **Textile Construction**: Students will be introduced to commercial patterns to make a Kimono, which will incorporate individual designs. (Students will be required to purchase their own material.)
3. **Theory**: Students will explore the history and cultural significance of the Kimono.

Cost: $15
OUTDOOR EDUCATION

The Year 9 Outdoor Education course is set up to give students an opportunity to participate in a range of activities that include a selection from surfing, orienteering, adventure course, kayaking, swimming and water safety, bush walking, camp cooking and an overnight camp. Assessment includes a logbook with journal entries after each activity, theory work based on the practical activities, a major assignment and practical participation. The levy for this elective must be paid for in the first two weeks of Term 1 2014.

Cost: $200

MIND, BODY SOUL

In this elective, students will be introduced to a variety of different skills and exercises that will challenge and help enhance their body and minds. Students will learn stress and anxiety relief techniques, such as breathing practices and mediation. Students will be introduced to Yoga and how the physical postures can help correct many health conditions such as help us sleep better, have more energy, pain relief and increased self-esteem.

Some of the benefits from this course will be: increased strength, the ability to relax, improved flexibility in muscles and joints, increased positive body image and self-esteem. The course will also allow us to learn concepts such as gratitude and kindness for ourselves and others. Mind, Body, Soul will help create the best version of you through yoga, meditation, self-reflections, and goal setting while also getting to know your class mates, having fun in a safe and happy environment.

Cost: Nil

ADVANCE – GLENEAGLES CUP

The Gleneagles Cup is a two period elective that runs in accordance with the government initiative ADVANCE. The focus of Advance is to allow students to develop something within their community or in partnership with a community organisation. The Gleneagles Cup has been running at Gleneagles for four years. Students involved in this subject have the opportunity to attain their level O accreditation for both Coaching and Umpiring in the following sports: Netball, Basketball, Soccer, and Volleyball.

Students are then delegated to a local Primary School (Mossgiel Park, Southern Cross, Chalcot Lodge, Thomas Mitchell, Narre Warren North, and Hallam) in which they will coach and train the Grade 4 students once a week over a 6 week period in preparation for a Gala tournament day held at Gleneagles with all the students.
Gleneagles Cup is a student-directed learning environment in which students are responsible for all aspects of the day including preparations such as catering, transport, awards, certificates, speeches, equipment, media promotions and staffing.

Students involved in this subject should have a keen interest in the sporting industry and an ability to establish a good working relationship with both primary school students and staff. Students will develop skills in teamwork, cooperation, goal setting, communication, independence, self organisation, leadership, managing conflict, problem solving, self esteem, responsibility, decision making and personal management.

Cost: Nil

**Football (Soccer)**

This elective is a year-long course, based on an in-depth analysis of the world game of Football. This unit is practically based, in order to further develop previously acquired skills, strategies and tactics. These sessions will be taught by a fully UEFA qualified coach, who played the game at a world class standard and presently coaches teams in Australia. He also has an understanding of paths available for individual players.

Cost: $90

**High Performance Physical Education**

This practical-based elective offers high performing physical education students the opportunity to participate in a range of practical activities at a high level. Students have the opportunity to further develop their skills in a range of sports while learning about design and implementation of training programs.

Key topics include movement patterns, optimal fitness, strategic thinking in sports, designing and implementing high performance training programs, skill analysis, game plans, tactics and strategies. Excursions will be involved throughout the semester in which costs will be incurred (approx $30). Suggested excursions include the 1000 steps, aerobics instruction and guest speakers.

Assessment may include participation in practical activities, video analysis, designing and implementing a training program.

Cost: Nil
Student Leadership
This elective focuses on developing the leadership capacity of students by incorporating a range of activities designed to enhance personal development and leadership skills. Students will learn about:

- What makes a leader and leadership styles
- Team work and collaboration
- Public speaking
- Communication/Listening skills
- Problem solving

Students are also given the opportunity to select a project of their own choice to work on, or will work on a shared project. This practical application will allow students to demonstrate skills in teamwork, cooperation, goal setting, communication, independence, self-organisation, leadership, managing conflict, problem solving, self-esteem, responsibility, decision making and personal management.

Cost: Nil

Landscaping
Students will work closely with the landscape teacher in designing, constructing, planting and managing gardens throughout the college. They will have the opportunity to plant and harvest organically grown vegetables and do minor construction jobs as appropriate. This is a hands-on physical subject that has great rewards in seeing students’ efforts produce lovely gardens at school and in the local community. Overalls and gloves provided.

Cost: Nil

Extension Maths
This course is designed to challenge students with good mathematical skills. Areas studied will be a combination of set and negotiated topics, allowing students input into the course. There will be a focus on improving problem-solving skills. Students will use a CAS calculator and computer applications in this course to further enhance their technology skills. This course will cover topics not studied in the core mathematics classes. Students selecting this subject will need to be recommended by their maths teacher.

Cost: Nil
**Outdoor Investigation**  
Would you like to learn through discovery outside the classroom? Would you like to choose what excursions/field studies you would enjoy? Do you want to study key issues of our local area that would impact on your future lifestyle? Would you like to learn through collecting and analysing your own data?

The focus of this subject will be taking students out of the classroom and experiencing first hand a range of fieldwork opportunities. They will develop skills in surveying, analysing, evaluating and making predictions for the future. Students will need to focus on building communication skills for group work, an awareness of career paths, and application of statistical analysis and geographical interpretation of data. Possible fieldwork opportunities may be Lysterfield Lake, shopping centres, Melbourne Airport, Factories, Bureau of Meteorology. Surveys will be conducted at school and within the local community.

Cost: $30

**Managing Money**  
Have you ever wanted to know about:
- Why some people are rich and others are not?
- How you can make your money work for you?
- What influences you to buy the brands that you like?
- What can your hard earned cash do to earn even more money?
- Have you heard about affluenza (it’s not a virus!)

If you answered “yes” to any of these questions you will be interested in this elective. In this subject we will study:
- The effects of “affluenza”.
- How to be an ethical global consumer.
- The influence of advertising on our spending choices.
- The “dos” and “don’ts” of buying products and services online.
- Managing money so you can create wealth.
- The Stock market – how it works.
- Credit – watch out!

Activities will include an audit of advertising in Teen magazine, market surveys on particular products, learning about exchange rates and currencies from around the world, and understanding your rights and responsibilities as consumers.

Cost: Nil

**Cosmetic Chemistry**  
In this elective, students will study a number of Chemistry concepts and practical techniques to produce a range of everyday cosmetic products such as soap, moisturizer, toothpaste, shampoo and perfume that are suitable for personal use or perhaps to give away as gifts.

This subject is a fun introduction to real life chemistry applications, but it would certainly be an advantage to students considering studying Chemistry at VCE or for those who simply wish to gain additional experience for their mainstream Science subject.

Cost: $15
Looking at Literature through Text and image

Enjoy the pleasure of reading using books that rely not only on the written word but on illustration too. Picture books provide us with wonderful stories through the skilful and creative use of words while at the same time using illustrations to explore and enhance those stories from another viewpoint. Extend your knowledge of literature and learn the tricks of skilful writing.

In this course you will:

- Explore and discuss picture books on a number of levels
- Interpret ideas based on both the text and the image
- Explore both literary and visual elements
- Discuss complex concepts and themes springing from these books
- Write and illustrate your own books

Cost: Nil

Cognitive Development “COG”

Students are specially selected and recommended for this course based on their impressive work ethic, advanced communication abilities and capacity for extended development of higher order thinking skills. Students will be informed if they have been recommended for this subject before the course counselling process.

The “Cognitive Development” course covers topics not usually studied in mainstream subjects at this level, such as:

- Psychology
- Philosophy
- Religion
- Neuroscience and the brain
- Science issues and the future

Students will develop questioning skills and have the opportunity to debate complex issues. They will be encouraged to develop their creative thinking and logical reasoning by being exposed to challenging issues and in the process, enhance their own skills of inquiry and ability to consider issues from multiple perspectives.

Cost: Nil
Human Powered Vehicle “HPV”

The RACV Energy Breakthrough is an exciting program designed to provide opportunities for students, teachers, parents and local industry to work together to redesign and reconstruct a human powered vehicle representing an ‘energy breakthrough’. Students will work in teams in developing a fully functional HVP (human powered vehicle) to race at various events throughout the year including the final race event on the calendar, the annual RACV Energy Breakthrough to be held in Maryborough, covering 4 days. The cost of this elective includes the 4 day camp and there are numerous fundraising events held over the year to support the project. This event is a chance for students to celebrate and show off all of their hard work throughout the year. Students will be required to fundraise, hold events and seek community support throughout the year which will serve to enhance the elective for the teams involved. These events will be student led and the types of events will depend on the creativity and drive of the students involved.

During the Energy Breakthrough program students will learn about design and construction, graphic design, fitness demands, training principles, and road/cycle safety all the while students will further develop skills in teamwork, leadership, communication and cooperation. The Energy Breakthrough program is a year-long commitment for the team and only the most dedicated and committed students will be accepted into the elective.

All students selecting this subject need to complete a written application to be considered.

Cost $210

CSI: Forensic Science

Have you ever wanted to solve a crime? This is an area of science that will allow you to mimic some techniques that the police use during criminal investigations to catch perpetrators. Learn techniques such as blood splatter analysis, fingerprint identification, hair sampling and chromatography.

Forensics is the term given to an investigation of a crime using scientific means. This subject covers many areas of traditional science; using concepts from Chemistry, Biology and Physical Sciences.

Cost: Nil
**Blah, Blah, Blah**

Do you get in trouble for talking too much in class? Well that will not be a problem if you choose "Blah Blah Blah"! It is a course designed to help students develop public speaking skills. Students will learn the art of manipulation through language. Throughout the course, students will study and analyse famous speeches throughout history, as well as design and deliver a range of speeches for different purposes. Students will also be given the opportunity to participate in 'Blabbermouth', which is the annual public speaking competition held at Gleneagles and be part of our inter-school debating teams. The skills developed in public speaking will benefit students far beyond the classroom by equipping students for all future career pathways.

Cost: Nil

**Journalism**

Are you a keen observer of the world around you? Do you tweet, Instagram or Facebook about news and events? Journalism goes far beyond what gets printed in the newspaper every day. Journalism examines a variety of media text types, both digital and print. Students in journalism will explore the role of media in the 21st Century and how news is constructed. They will be expected to both produce and analyse a range of media text types. Throughout the course, students will follow a day in the life of a Journalist and how an idea or event is transformed into a news item.

Cost: Nil

**Catch up Maths**

This course is designed to provide support for students who have experienced difficulties with some aspects of their Mathematics or have gaps in their understanding. It is aimed to provide students with greater opportunity for review and consolidation of the material covered to achieve a strong foundation in the essential maths skills.

Cost: Nil
## YEAR 9 ELECTIVES 2015 – COST SHEET

<table>
<thead>
<tr>
<th>Elective</th>
<th>Cost</th>
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<tbody>
<tr>
<td><strong>Technology</strong></td>
<td></td>
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<tr>
<td>Bakehouse</td>
<td>$75</td>
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<td>Design and Technology (Metal)</td>
<td>Nil / More Advanced Model $30</td>
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<tr>
<td>Design and Technology (Jewellery)</td>
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<td>Robotics and Electronics</td>
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<td>Junk Sculpture</td>
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<td><strong>The Arts</strong></td>
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<td>Ceramics</td>
<td>$30</td>
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<td>Photography</td>
<td>$40</td>
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<td>Drama</td>
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<td>Music Performance</td>
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<td>Textile Art and Construction</td>
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<td><strong>Sport and Health</strong></td>
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<td>Nil</td>
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<td>Nil</td>
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<td>High Performance Physical Education</td>
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<td><strong>Other</strong></td>
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