



Stage 6 Curriculum Evening

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Everybody is a genius.



But if you judge a fish by its
ability to climb a tree, it will
live its whole life believing
that it is stupid.

Albert Einstein.

Credentials at the end of Stage 6 (Year 12)

Higher School Certificate (HSC)

administered by the NSW Education Standards Authority (NESA)

Australian Tertiary Admission Rank (ATAR) – which is optional

administered by the University Admission Centre (UAC)

Requirements for the award of the HSC

To qualify for an HSC, students must complete:

- The **HSC: All My Own Work Program** (Year 10)
- **Preliminary HSC Course** (Year 11)
- Crossroads (Year 11)
- Sport (2 hours per week)
- **HSC Course** (Year 12)

HSC courses

All HSC courses have **unit value**

Most courses are 2 Units

Some courses are 1 Unit

Requirements for the HSC

An HSC Program of Study must include:

- 2 units of English
- At least four subjects (including English)
- At most, six units of courses in Science in Year 11 (towards Higher School Certificate eligibility)
- Only one Industrial Technology course

Unit Requirements

Preliminary Course – 12 Units

HSC Course – 10 Units minimum

Types of HSC Courses

- Board Developed Courses
- Board Endorsed Courses
- VET Courses
- Content Endorsed Courses

Extension Courses

- Extension courses build on the corresponding 2 unit course
- English and Mathematics have a Preliminary 1 unit Extension Course (Extension 1) available in the Preliminary year
- English and Mathematics have a second 1 unit HSC extension course (Extension 2) available only in the HSC year
- Additional extension courses in the HSC year at Killara High School include: *French, German, History, Japanese, Music, and Science (new for Year 12 2019)*

Course completion criteria

To satisfactorily complete a Preliminary or HSC course a student must have:

- followed the course developed or endorsed by the NSW Educational Standards Authority – NESA (previously BOSTES)
- applied himself/herself with diligence and sustained effort to set tasks and experiences in the course
- achieved some or all of the course outcomes

HSC Assessment

- The assessment and examination marks are recorded separately on the HSC testamur
- School based assessment tasks will contribute 50% of the HSC mark; the other 50% will come from the HSC examinations.

Key considerations for course choice

- Abilities
- Interests
- Motivation
- Career aspirations and needs

Best advice for students:

*they should choose pattern of study carefully,
as most courses extend over two years*

English



Which course?

New Stage 6 syllabus

- New Year 11 courses and new school-based assessment requirements will commence from 2018
- The first HSC examinations, reflecting new examination specifications, will be undertaken in 2019

English courses

- English Standard
- English Advanced
- English Extension
- English EAL/D (English as an Additional Language / Dialect)
- English Studies
- English Life Skills

The continuum

Prior-to-school learning

Students bring to school a range of knowledge, understanding and skills developed in home and prior-to-school settings. The movement into Early Stage 1 should be seen as a continuum of learning and planned appropriately.

The *Early Years Learning Framework for Australia* describes a range of opportunities for students to develop a foundation for future success in learning.

MANDATORY STUDY

Early Stage 1 – Stage 3

English K–10

MANDATORY STUDY

Stage 4 – Stage 5

English K–10
(including Life Skills outcomes and content)

ELECTIVE STUDY

Stage 6

(Years 11–12)

English
Standard

English EAL/D

English
Advanced

English
Life Skills

English
Studies

English Extension

- Year 11 Extension
- Year 12 Extension 1
- Year 12 Extension 2

Community, other education and learning and workplace pathways

The details

- Deeper study of texts across all levels with a focus on quality literature
- Year 11 standard and advanced courses now have a mandatory first module, Reading to Write, that focuses on developing essential skills required for senior study and to refine writing skills
- Focus on digital literacy skills in Year 11 English: standard module Contemporary Possibilities
- The Year 12 common module areas of study — including Journeys, Discovery, and Belonging — have been removed
- A new module, The Craft of Writing, is now mandatory in standard and advanced courses

Details

- A mandatory multimodal presentation in each course

Standard and Advanced

- Assessment of the Common Module in Standard and Advanced must integrate student selected related material

Extension 1

- Assessment tasks focus on the process of composition

English Studies

English Studies is now a Board
Developed course

Students will continue to submit a
collection of their work for assessment

Choosing a course

It is very important that each student is placed in an English course appropriate to their skill level.

Before courses are selected, students will be given detailed information and guidance regarding the content and focus of the courses available to them.

Class teachers will also make recommendations regarding the course that is most suited to the student's **demonstrated** level of ability. Perceived effort in the future is not a basis for sensible choices.

Choosing a course

It is important that students demonstrate the requisite skills **throughout Year 10**.

If students are genuine in their desire to study at the more demanding levels, they need to engage in practice from the beginning of the year that will convince their teacher of their suitability for these courses.

Students seeking ways to improve their skills in order to meet these expectations, should seek advice from their English teacher.

Choosing a course

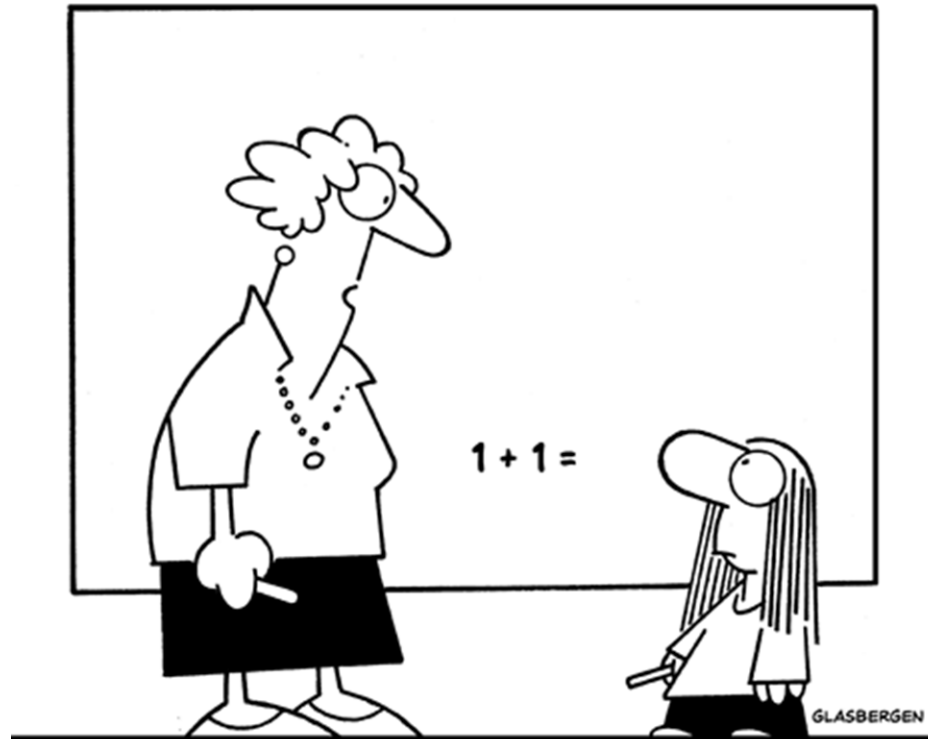
Advanced English, for example, is not a course that is suited to all students.

In the English Advanced course, students continue to explore opportunities that are offered by challenging texts to investigate complex and evocative ideas, to evaluate, emulate and employ powerful, creative and sophisticated ways to use language to make meaning, and to find enjoyment in literature.

In general, students should achieve consistently in the A and high B range in assessments and examinations.

Mathematics

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“Yes, this will be useful to you later in life.”

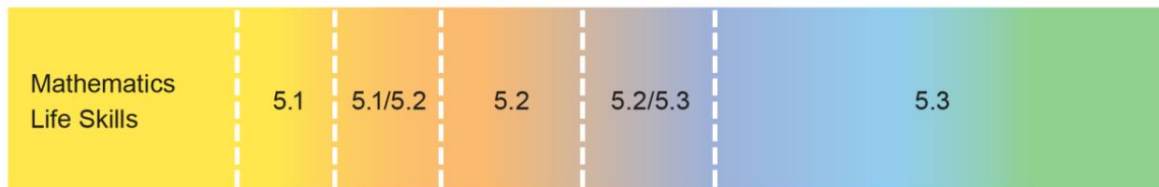
MANDATORY STUDY

Stage 4
Mathematics K–10
(including Life Skills outcomes and content)



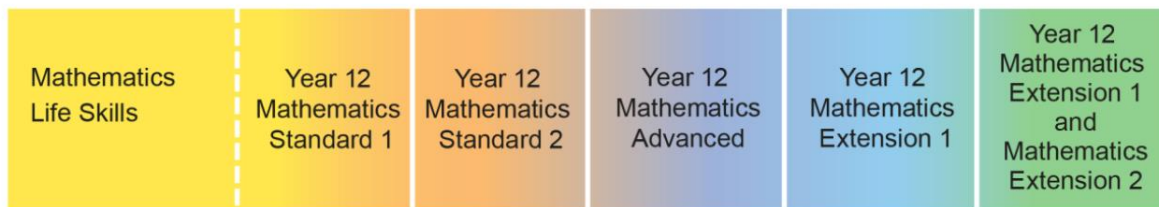
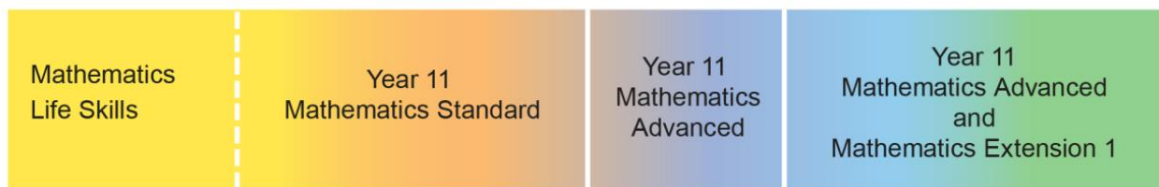
MANDATORY STUDY

Stage 5
Mathematics K–10



ELECTIVE STUDY

Stage 6
(Years 11–12)



Community, other education and learning and workplace pathways

5.3
10MTH2
10MTH3
10MTH4
10MTH5
10MTH6
10MTH7

5.2 / 5.3
10MTH8

5.2
10MTH9
10MTH10

5.1
10MTH11

Note: In 2018 the old Mathematics & Mathematics Ext 1 syllabi will be taught

Stage 6 courses

Calculus based courses

- Mathematics (2 unit or Advanced)
- Mathematics Extension 1 (3 unit)
- Mathematics Extension 2 – Year 12 only (4 unit)

Non-calculus based courses

- Year 11 Mathematics Standard
- Year 12 Mathematics Standard 2
- Year 12 Mathematics Standard 1. This course will operate only if there is sufficient interest. An optional HSC examination, and can count as part of an ATAR

Calculus Based Courses

Mathematics

- Basic Arithmetic & Algebra
- Real Functions
- Trigonometric Ratios
- Linear Functions
- The quadratic polynomial and the parabola
- Plane Geometry
- Tangent to a curve and derivative of a function

Mathematics Extension 1

- Other inequalities
- Circle Geometry
- Further trigonometry (sums and differences, t formula, identities and equations)
- Angles between two lines
- Internal and external division of lines in a given ratio
- Parametric representation
- Permutations and Combinations
- Polynomials

ALGEBRA & GRAPHING

Standard Mathematics

Year 11 course (120 hours)	Mathematics Standard	
	Topics	Subtopics
	Algebra	MS-A1 Formulae and Equations MS-A2 Linear Relationships
	Measurement	MS-M1 Applications of Measurement MS-M2 Working with Time
	Financial Mathematics	MS-F1 Money Matters
	Statistical Analysis	MS-S1 Data Analysis MS-S2 Relative Frequency and Probability

Applied Mathematics

Standard Mathematics requires all students to undertake an investigative task from 2018

Standard Mathematics

Year 12 course (120 hours)	Mathematics Standard 1	
	Topics	Subtopics
	Algebra	MS-A3 Types of Relationships
	Measurement	MS-M3 Right-angled Triangles MS-M4 Rates MS-M5 Scale Drawings
	Financial Mathematics	MS-F2 Investment MS-F3 Depreciation and Loans
	Statistical Analysis	MS-S3 Further Statistical Analysis
	Networks	MS-N1 Networks and Paths

Year 12 Course (120 hours)	Mathematics Standard 2	
	Topics	Subtopics
	Algebra	MS-A4 Types of Relationships
	Measurement	MS-M6 Non-right-angled Trigonometry MS-M7 Rates and Ratios
	Financial Mathematics	MS-F4 Investments and Loans MS-F5 Annuities
	Statistical Analysis	MS-S4 Bivariate Data Analysis MS-S5 The Normal Distribution
	Networks	MS-N2 Network Concepts MS-N3 Critical Path Analysis

Which course?

- A letter will be sent home before Web Choices opens, detailing the recommended course for your child
- Your student's teacher is the first person to contact regarding course choice
- All students have their choices signed off by the HT Mathematics before entering their courses on Web Choices

Mathematics

- 5.3 students
- Some 5.2 / 5.3 students

Mathematics Extension 1

- Top 40 students in 5.3 currently
- Top 72 students in 5.3 at the end of 2017

Standard Mathematics: all students

Non-ATAR

ATAR



VET Courses

(Vocational Education and Training)

- VET courses are competency-based courses, which relate to the development of skills
- Students can obtain a nationally accredited Certificate II qualification for employment in the workforce
- **Hospitality** (ATAR eligible) is an example of a VET subject at Killara High School

TVET – TaFE Delivered VET Courses

- These are exactly the same as VET courses but are delivered onsite at TaFE Colleges
- Certain courses **can** contribute to an ATAR
(see NESA website or School Handbook)
- Students are required to transport themselves to and from TaFE
- Most TaFE courses run Tuesday afternoons from 2 – 6 pm
- Independent adult learning environment: TaFE Teachers deliver content
- TaFE Colleges include Hornsby, Meadowbank, Ryde, St Leonards, Ultimo

Overview

- Choosing subjects
- The ATAR
- ATAR facts and myths
- Year 12 and beyond

Inspirations

- Who & what inspires you?
- What do you like to do?
 - Helping others
 - Being creative
 - Working with technology
 - Finding out how things work
 - Working indoors or outside
 - Working with or without others

Choosing your HSC courses

It's important to consider:

- What you are good at
- What you are interested in
- What you think you might want to do when you leave school

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ATAR facts

Your ATAR:

- allows you to be compared with other students who have completed different combinations of HSC courses
- shows your **POSITION**, or where you are ranked amongst all other HSC students
- is a **RANK**, not a mark
- is provided by UAC

To be eligible for an ATAR

- To get an ATAR you need at least ten units of *Board Developed* courses – these are HSC courses that are examined by NESA. Your teachers will tell you which courses will count.
- Your ATAR is based on your best two units of English and the best eight units from your remaining courses.

The ATAR and scaling

- Different HSC courses have very different groups of students studying them. To create an even playing field, actual marks need to be adjusted before they are added. This is called scaling.
- What scaling does is to calculate what your mark and your position would be if all courses were studied by all students.

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Why scaling?

So no student is neither advantaged or disadvantaged because of their subject choice.

So we can **compare fairly** all the **different courses** and combinations of courses.

Remember that a student's **position** in a course depends on:

- **how well they did in that course, and**
- **the strength of the competition in the course**

Fred and Laura

Course	HSC mark	Percentile	HSC mark	Percentile
Biology	70	41	80	75
Business Studies	70	35	80	66
English Advanced	70	10	80	45
Mathematics	70	20	80	49
Modern History	70	27	80	62
Visual Arts	70	17	80	56
ATAR	55.95		79.45	

The percentile column tells us the story of the ATAR as it tells us where these students are position in each course

Myths

Don't choose a VET course such as Human Services or Hospitality – you won't get a good ATAR.

FALSE – it doesn't matter what course you do ... it is still possible to get a good ***ATAR***. But remember – you can only include two units from Category B (VET) courses.

Myths

I can only get a good ATAR if I study hard subjects (ie Physics, Extension Maths).

FALSE – what is a hard subject any way?

And what if you're not good at these subjects?

We advise students to choose subjects they are good at and that they will do well in, as this is the only way *to maximise your ATAR.*

I can only get a high ATAR if I study hard subjects ...

Subjects Studied	HSC Mark	Band Performance	ATAR
Biology	70	4	61.25
Engineering Studies	73	4	
ESL	76	4	
Mathematics	71	4	
Physics	63	3	

Case study 1

Subjects Studied	HSC MARK	Band Performance	ATAR
Biology	96	6	99.90
Chemistry	94	6	
English as a Second Language (ESL)	94	6	
Mathematics Ext 1	98	E4 – Highest level of performance for an extension class	
Mathematics Ext 2	93	E4	
Physics	94	6	
Post-school Destination: Bachelor of Medical Studies/Doctor of Medicine (BMED/MD) UNSW			

Case Study 2

Subjects Studied	HSC MARK	Band Performance	ATAR
English Advanced	89	5	90.15
Food Technology	90	6	
Modern History	86	5	
PDHPE	89	5	
Hospitality VET course	89	5	

Post-school Destination : Bachelor of Arts UNSW

Case Study 3

Subjects Studied	HSC MARK	Band Performance	ATAR
Business Studies	89	5	96.60
Chemistry	83	5	
ESL	94	6	
Legal Studies	86	5	
General Mathematics	96	6	
French Beginners	92	6	
Post-school Destination: Bachelor International Studies UNSW			

Case Study 4 (non-ATAR)

Subjects Studied	HSC Mark	Band Performance
English Standard	71	4
Mathematics General 2	62	3
PDHPE	68	3
Industry Based Learning	Satisfactory completion	
Construction SBAT	Satisfactory completion	

Post-school Destination: Construction Apprenticeship TAFE (continued)

Student finishes school with a HSC and is part-way through a Construction Apprenticeship.

What next?

- Research your options
- Explore the different study areas and courses
- Consider all institutions that offer the course you want
- Keep your options open

Things to consider in terms of tertiary education

- Assumed knowledge
 - this means the institutions assume you know this subject
- Recommended studies
 - It is recommended that a course is taken in Year 12 so that you are prepared for uni study
- Course prerequisites
 - You must have studied an HSC subject for a specific uni course to be considered for entry

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Course selection process

- Student Information sessions
- Parent Information Evening
- Home Group discussions
- Year Adviser and Career Adviser input

Students then complete:

- the Expression of Interest form which requires signatures from Head Teachers indicating approval to enter subjects chosen
- Their selection online, on edval.com, with courses entered in order of preference, by midnight Thursday 22 June
- A printout of the online selection, signed by a parent/carer

Both these forms are to be submitted to the A Block Accounts Office no later than Friday 23 June 2017

Student Course Selection Form – Year 11, 2018

Complete this Form and hand in to the Accounts Office stapled to your [Webfolios](#) form.

BOARD DEVELOPED COURSES

CATEGORY A COURSES

Students must choose one of the following:

- ENA English Advanced 2 units
- EN\$ English Standard 2 units
- EAL/D English as an Additional Dialect 2 units
- ENST English Studies 2 units

Students may express interest in FIVE of these courses - All these courses are 2 units

- AB\$* Aboriginal Studies (only students who are studying the Accelerated Aboriginal Studies Course in 2017 can select this course)
- ANC Ancient History
- BIO Biology
- BUS Business Studies
- CHE Chemistry
- CHB Chinese Beginners
- CHC Chinese Continuers
- CFS Community & Family Studies
- DTE* Design & Technology
- DRA* Drama
- EE\$ Earth and Environmental Science
- ECO Economics
- EST Engineering Studies
- FTE Food Technology
- FRB French Beginners
- FRC French Continuers
- GEO Geography
- GMB German Beginners
- GMC German Continuers
- HEC Hebrew (Modern) Continuers
- ITM*# Industrial Technology (Multimedia Industries)
- ITT*# Industrial Technology (Timber Products & Furniture Industries)
- IPT Information Processes & Technology
- ISC Investigating Science
- JAB Japanese Beginners
- LST Legal Studies
- MTHA Mathematics Accelerated
- MTH Mathematics
- MT\$ Mathematics Standard
- MOD Modern History
- MUS1* Music 1
- MUS2* Music 2
- PDH PDHPE
- PHY Physics
- SOC* Society & Culture
- SDD Software Design & Development
- TXD* Textiles & Design
- VIS* Visual Arts

NOTE: * This indicates inclusion of a major work or performance component as HSC course requirements

You may study only ONE Industrial Technology course

In addition students may choose:

- EX1 English Extension 1 unit
- MX1 Mathematics Extension 1 unit
- MX1A Maths Accelerated Extension (only students who are studying Accelerated Maths in 2017 can select this course) 1 unit

2 UNIT BOARD DEVELOPED/SCHOOL DELIVERED VET COURSES

These courses are Category B for ATAR calculations

- CON Construction (VET) 2 unit
- HOS Hospitality (VET) 2 unit
- MET Metal and Engineering (VET) 2 unit

You may study two Category B courses **BUT only ONE** will be used in the calculation of the ATAR.

1 UNIT BOARD DEVELOPED COURSES

Select **one** 1 unit course if you elect to study extension English or Mathematics and wish only to study 12 units.

- SOR Studies of Religion (accelerated)

1 UNIT CONTENT ENDORSED COURSES

Preliminary Course only

- PVD1 Photography, Video & Digital Imaging 1
- SLR1 Sport, Lifestyle & Recreation Studies 1

2 UNIT CONTENT ENDORSED COURSES

- EG\$ English Studies
- WK\$ Work Studies

NB: ALL STUDENTS MUST STUDY A MINIMUM OF 12 UNITS IN THE PRELIMINARY COURSE

VET TAFE DELIVERED COURSES

NB: These courses may either be Category A or B

You must complete a separate APPLICATION FORM for entry into a TAFE Course. See the Careers Adviser for this form.

NB the closing date for applications

OTHER COURSES:

NSW School of Languages (only for courses not listed on this sheet)

Saturday School of Community Languages (only for languages not listed on this sheet)

Expression of Interest

This is the
PURPLE form

Year 11, 2018 Student Course Expression of Interest

Name: _____

A. Please indicate the courses you wish to study for the Preliminary HSC Course in 2018. For each course you express interest in studying, you must have the approval of the relevant Head Teacher.



AT KILLARA HS:

Code	Unit Value	Preliminary Course Name			
Selection for the compulsory study of English					
	2	English Advanced Head Teacher signature:	English Standard Head Teacher signature:	ESL Head Teacher signature:	English Studies Head Teacher signature:
Make your selection for Non-Mandatory subjects below					
		Extension Mathematics Head Teacher signature:	Mathematics Head Teacher signature:	Mathematics Standard Head Teacher signature:	
		SUBJECT NAME			Head Teacher signature:
		SUBJECT NAME			Head Teacher signature:
		SUBJECT NAME			Head Teacher signature:
		SUBJECT NAME			Head Teacher signature:
		SUBJECT NAME			Head Teacher signature:

HT signatures



OUTSIDE KILLARA HS: (e.g., Saturday School of Community Languages, NSW School of Languages, TAFE, Sydney Distance Ed)

Code	Preliminary Course Name	Unit Value	Signature of
TAFE			Ms Allen
NSW School of Languages			Ms Lam
SS (Saturday School of Community Languages)			Ms Lam

- B. Do you wish to receive an ATAR? Yes No
- C. Have you already been studying a Preliminary Course in 2017? Yes No
- If yes, which course? _____
- D. Total number of units you have expressed interest in studying in 2018 -

PARENT CHECKLIST:

- Discuss and review courses with your child.
 - Students obtain signatures from Head Teachers for each of the courses
 - Submit the online webchoice by MIDNIGHT Thursday 22 JUNE 2017
 - Print a copy of your webchoice, attach it to this completed form.
 - Sign this form ensuring all courses have a Head Teachers signature and that these have been accurately entered via the online Edval selection.
- Return this to the Accounts Office the by Friday 23 June 2017

Parent signature



Parent NAME: _____ Signature: _____ Date: _____

**YEAR 10 2017 - STAGE 5 INTO 6 SUBJECT SELECTION
HOW TO COMPLETE WEBCHOICES ONLINE EXPRESSIONS OF INTEREST**

It is important when indicating your expressions of interest that you prioritise all the subjects that you nominate. It is important that you choose your courses carefully. Check with the Careers Adviser to see if there are pre-requisites for post school courses – don't assume so. Choose courses that interest you the most – this way you will be committed to doing your best.

The elective subjects that will become your pattern of study for Year 11 2018 will be formed on the basis of what expressions of interest we receive. The school will endeavour to accommodate a student's choices using the reserve preference only when required.

Steps to use when selecting courses for Year 11.

1. You must choose your subjects in priority order
2. The first 12 units of preferences are your preferred choice for your courses (i.e. the courses you would like most to do).
3. The Reserve Preferences will only be used if necessary.
4. Reserve Preference 1 is your first reserve subject. Reserve Preference 3 is the one you least wish to do
5. Webchoices will open on **Friday 9 June, 2017.**
6. You can go on web site <https://web.edval.com.au/mysubjects> and change your selections as many times as you wish until **midnight Thursday 22 June, 2017.** After the cut off time all expressions of interest are final and they cannot be altered by you.
7. When you have made your final selections on the web choices page you must print off a copy. This final copy **MUST** be signed and dated by both you and a parent/caregiver. Return the signed final copy stapled to the MAUVE Student Course Selection Form to the Accounts Office in A block on or before **Friday 23 June, 2017.**

STEPS TO COMPLETE WEBCHOICES ONLINE EXPRESSIONS OF INTEREST

1. Webchoices will open on **Friday 9 June, 2017**
2. Go to <https://web.edval.com.au/mysubjects>
3. Click on 'log in'



Login code Login

Example: your student Login number that has been emailed to your DET email account. eg ABC1D

4. Type in the login code that will be sent to your DET email address prior to the Webchoice opening. Should you have difficulties with this, see the Head Teacher Secondary Studies in A Block.
5. Once you type in your login, you will be directed to a screen like this

INSTRUCTIONS.

1. You must select **AT LEAST TWO UNITS** of English.
2. Select (from the dropdown menu) **AT LEAST** another ten units **IN ORDER OF PREFERENCE**
3. Select (from the dropdown menu) **THREE** reserve subjects **IN ORDER OF PREFERENCE**

7. Now click on the submit button.
8. You will now be presented with your selections. Print this page and ask your parent/carer to sign and date it.
9. Staple this to your paper Student Course Expression of Interest – Year 11, 2018 (Mauve) form and return to the Accounts Office in A block on or before **Friday 23 June, 2017**

Subject	Units
English <input type="text"/>	0
Priority 1 <input type="text"/>	0
Priority 2 <input type="text"/>	0
Priority 3 <input type="text"/>	0
Priority 4 <input type="text"/>	0
Priority 5 <input type="text"/>	0
Priority 6 <input type="text"/>	0
Total Units 0	
Reserve 1 <input type="text"/>	0
Reserve 2 <input type="text"/>	0
Reserve 3 <input type="text"/>	0

Killara High School

Who can provide advice?

SUBJECT SPECIFIC INFORMATION:

Head Teachers – see your Program

CAREERS INFORMATION :

Ms Allen

GENERAL ADVICE:

Year Advisers (Mrs Bayne, Ms Shapiro), Stage Head Teachers,
Home Group Teachers, class teachers.

Next – course sessions

- There are three sessions in A BLOCK for you to meet and discuss courses with teachers
- From your program please select the three Key Learning Areas you would like to know more about
- A bell will ring when it is time to move to the next session