SCOTCH COLLEGE ADELAIDE

Future Planning & Subject Selection Evening

Year 11, 2017

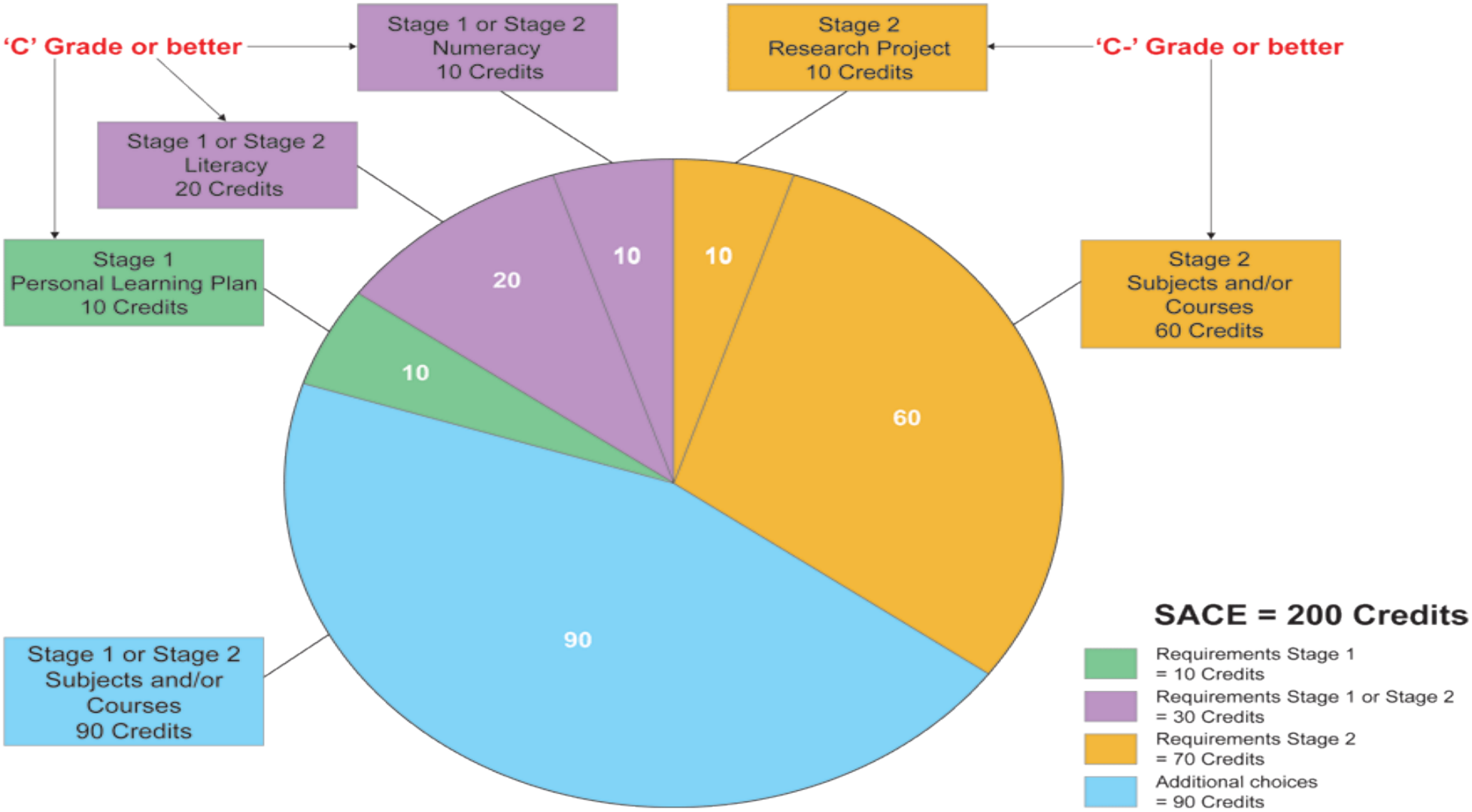
What is the SACE?

- SACE - South Australian Certificate of Education
- A certificate you receive when you successfully complete the requirements of the SACE
- Internationally recognised
- Helps lead to work, training, or further study

About the SACE

- Recognises learning and skills both in and outside school
- Combine study and part-time work, a traineeship or a school-based apprenticeship
- Credit for other academic studies, vocational training, skilled work and community learning

SACE Requirements



Compulsory Subjects

Stage 1

•PLP – (10 credits)
•Stage 1– Literacy (English or EAL) 20 credits
•Stage 1– Numeracy (one semester of Mathematics) 10 credits
Must achieve a C- grade or better

Stage 2

•Research Project – major project 10 credits
(30% external assessment, 70% internal)
Must achieve C- grade or better

Subject Selection

Important points to remember:

Gather information

- what courses are you interested in?
- prerequisites, assumed knowledge
- talk to the Careers Counsellors, Heads of Faculty, Heads of House, your teachers

Use the SATAC guide

What is the Australian tertiary Admissions rank? (ATAR)

- A measure of how your overall achievement in the SACE compared to other students
- Used by universities to select school leavers for a place in university courses
- Ranges from 0 to 99.95

Calculating an ATAR

EXAMPLE: A student receives the following scaled scores.

Stage 2 Subjects	Biology	Chemistry	PE	Maths Methods	Research Project
SACE credits	20	20	20	20	10
Grade	A	A-	A-	B+	B+
Scaled Score	18.6	17.6	17.6	17	7.6

University Aggregate (out of 90) = 77.6
ATAR (based on 2015) ≈ 92.75

Online Subject Choices

- Web preferences – user name and password
- Need to choose 120 credits (excludes the Research project)
- Preference 1 – English or EAL (20 credits)
- Preference 2 – Specialist Mathematics & Mathematics Methods (40 credits)

  Mathematics Methods (20 credits)

  General Mathematics (20 credits)

  Essential Mathematics (10 or 20 credits)

  (NB – 10 credits at Year 11 means no year 12 mathematics pathway)

Studying a Year 12 (Stage 2) subject

- Indicate with a yes or no online
- Choose appropriately e.g Stage 2 Biology, Stage 2 Design & Tech
- Fill out an application form
- Maximising your ATAR score

Subject Information

- 20 credit only subjects – semester 1 and 2. e.g. French, Japanese, Physics, Chemistry
- Some subjects are 20 credits or 10 credits e.g. Physical Education can be studied for the whole year or for one semester only
- Business & Enterprise, Outdoor Education, Philosophy Psychology, Art, Design, Fashion Design and Photography are for one semester only
- Vocational Education subjects (VET)

Student A

Year 10	Credits	Total
Stage 1 Personal Learning Plan	10	10 compulsory
		10
Year 11		
Stage 1 Chemistry	20	
Stage 1 Physics	20	
Stage 1 Specialist Mathematics & Mathematical Methods	40	10 compulsory
Stage 1 English	20	20 compulsory
Stage 2 Design & Technology	20	
Stage 2 Research Project	10	10 compulsory
		130
Year 12		
Chemistry	20	
Physics	20	
Specialist Mathematics	20	
Mathematical Methods	20	
English Literary Studies	20	100
Total		240

Student B

Year 10	Credits	Total
Stage 1 Personal Learning Plan	10	10 compulsory
		10
Year 11		
Stage 1 Art	10	
Stage 1 Geography	20	
Stage 1 Home Economics	20	
Stage 1 Health	10	
Stage 1 General Mathematics	20	10 compulsory
Stage 1 English	20	20 compulsory
Stage 1 Physical Education	20	
Stage 2 Research Project	10	10 compulsory
		130
Year 12		
General Mathematics	20	
English	20	
Physical Education	20	
Visual Art - Art	20	
		80
Total		220

Student C

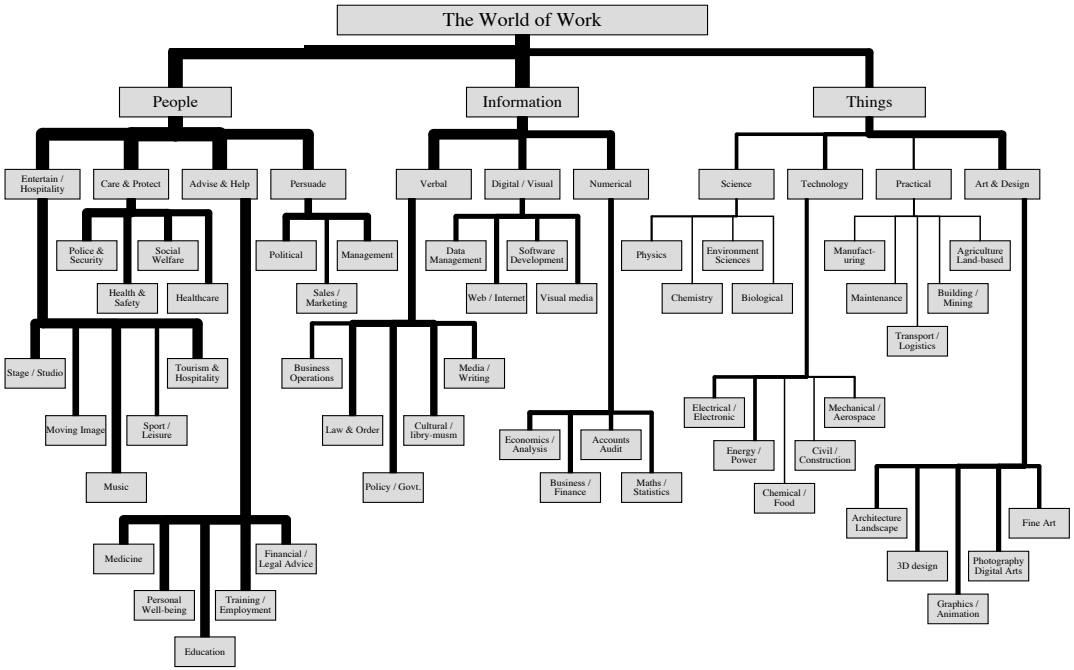
Year 10	Credits	Total
Stage 1 Personal Learning Plan	10	10 compulsory
Stage 1 Design & Technology	10	
Stage 1 Nutrition	10	30
Year 11		
Stage 1 Business & Enterprise	10	
Stage 2 Nutrition	20	
Stage 1 Home Economics	20	
Stage 1 Outdoor Education	10	
Stage 1 Mathematical Methods	20	10 compulsory
Stage 1 English	20	20 compulsory
Stage 1 Biology	20	
Stage 2 Research Project	10	10 compulsory
		130
Year 12		
Mathematical Methods	20	
English Literacy Studies	20	
Biology	20	
Business & Enterprise	20	
		80
Total		240

Important Dates

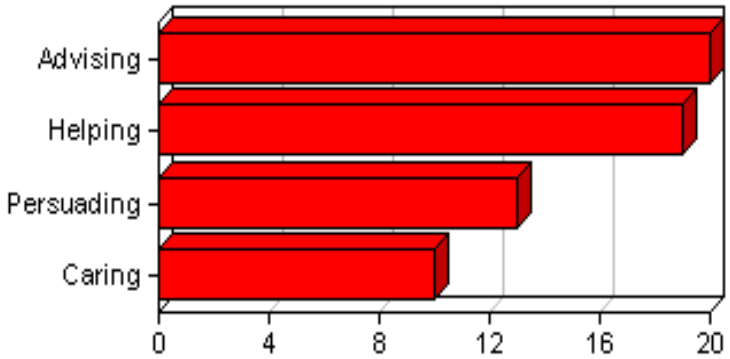
Term 3

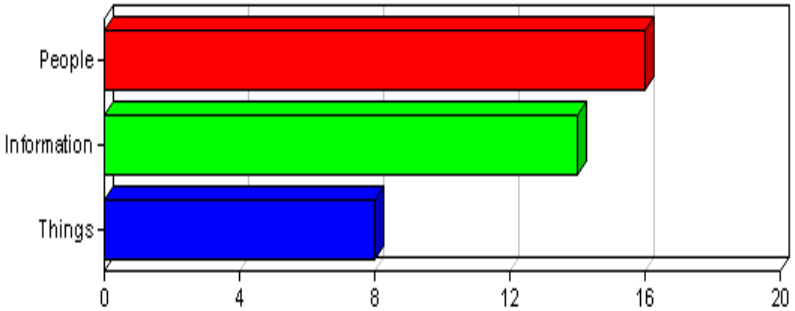
- Online information sent out Week 2
- Information due August 26
- Help available – student talks

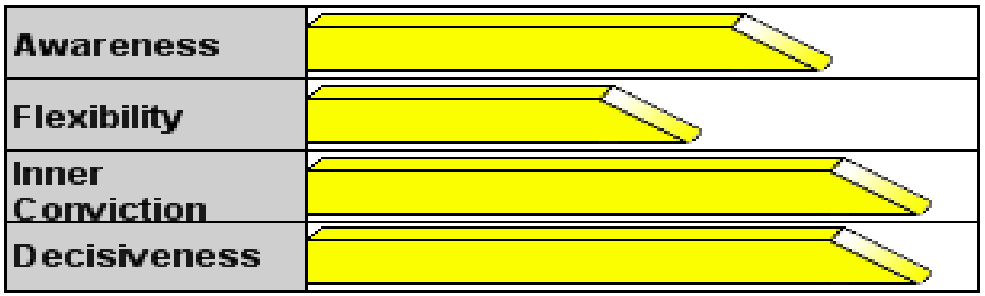
Using Morrisby



You are most interested in working with people.







Exploring ideas

Career Suggestion	Associated Areas
Solicitor	Barrister
	Occupational psychologist
University lecturer	Teaching
	Solicitor
	Educational psychologist
Teaching	University lecturer
	Teacher: Early childhood
	Journalist
Educational psychologist	Teaching
	Occupational psychologist
	Public relations officer
Human resources	Recruitment consultant
	Business manager
	Public Service manager
Recruitment consultant	Human resources
	Management consultant
	Business devt. manager

Career Suggestion	Associated Areas
Hospital executive	Public Service manager
	Business manager
	Project manager
Company secretary	Accountant (industry/mgt)
	Business manager
	Solicitor
Marketing manager	Advertising executive
	Business manager
	Financial planner
Accountant (private)	Accountant (industry/mgt)
	Actuary
	Company secretary
Economist	Accountant (private)
	Banking manager
	Company secretary
Actuary	Insurance officer (underwriter)
	Mathematician/ statistician
	Investment banker

Understanding the suggestions

http://myfuture.edu.au/explore-careers/browse-occupations

http://www.jobguide.thegoodguides.com.au/occupation/search

Where to next?

- Keep as many subject options open as possible
- Research university courses (check prerequisites)
- University Open Days (mid-late August)
- Reflect upon interests
- Look for opportunities (work experience, volunteering, etc)
- Talk to family and friends
- Be patient, but keep actively exploring ideas

Pathways after school

Higher Education Sector

- University Courses
- Requires completion of Year 12 & required ATAR
- May have additional entrance requirements (UMAT, portfolio of work, audition, interview, prerequisites, etc)

VET/TAFE Sector

- Vocational Skills and TAFE courses (Cert II, Cert III, Cert IV, Diploma, Advanced Diploma)
- Can lead into uni courses (eg Bachelor degree)
- Range of entrance requirements

The Workforce

- Requires getting a job (application, interview, etc)
- Straight into earning money
- May require on the job training

Uni Courses - What do I need to know?

- Required ATAR
- Application process (SATAC + ?)
- Direct application?
- Prerequisite subjects?
- Assumed knowledge?
- Any other pathways to same area? (ie Plan B)
- If planning uni in Victoria, need English at Year 12

Where do I research courses?

South Australia/NT - www.satac.edu.au

Interstate:

Victoria (VTAC) www.vtac.edu.au

NSW & ACT (UAC) www.uac.edu.au

Western Australia (TISC) www.tisc.edu.au

Queensland (QAC) www.qtac.edu.au

(ATAR is converted to a different scoring system for Queensland)

Tasmania (University of Tasmania website)

Undergraduate 20.17 App (iPhone or iPad)

Search “undergrad”

South Australia
70.05 - 95.00

95.00 U Adelaide [Adelaide] (Qld 4)
B Laws and combined degrees

92.30 U Adelaide [Adelaide] (Qld 5)
B Engineering (Civil/Env) double degrees

89.30 U Adelaide [Adelaide] (Qld 6)
B Engineering (Civil and Environmental)

86.95 U Adelaide [Adelaide] (Qld 8)
B Engineering (Petroleum Civil Structural)

83.70 U Adelaide [Adelaide] (Qld 9)
B Engineering (Civil Structural Environmental)

82.20 U Adelaide [Adelaide] (Qld 9)
B Engineering(Civil/Struct) double degs

81.25 U Adelaide [Adelaide] (Qld 10)
B Engineering (Flexible entry)

80.70 U Adelaide [Adelaide] (Qld 10)
B Engineering (Civil & Structural)

77.45 Flinders University (Qld 11)
B Engineering (Civil)

77.10 Flinders University (Qld 11)
B Engineering (Civil) combined

South Australia
75.05 - 99.95

99.95 Flinders University (Qld 1)
B Engineering (Mech)/M Eng (Biomedical)

95.95 Flinders University (Qld 3)
B Eng (Biomedical)/M Eng (Biomedical)

79.20 Flinders University (Qld 10)
B Engineering (Biomedical) combined

75.05 Flinders University (Qld 11)
B Engineering (Biomedical)

Engineering

State filtering on
Showing only courses in capital cities

South Australia
70.35 - 99.95

99.95 U Adelaide [Adelaide] (Qld 1)
B Engineering (Telecommunications)

95.40 U Adelaide [Adelaide] (Qld 4)
B Engineering (Telecoms) double degrees

95.00 U Adelaide [Adelaide] (Qld 4)
B Laws and combined degrees

89.95 Flinders University (Qld 6)
B Engineering (Electronics) combined

87.85 Flinders University (Qld 7)
B Engineering (Electrical) combined

83.35 U Adelaide [Adelaide] (Qld 9)
B Engineering (Electrical & Sustainable)

83.10 U Adelaide [Adelaide] (Qld 9)
B Engineering Mechanical & Sustainable

81.25 U Adelaide [Adelaide] (Qld 10)
B Engineering (Flexible entry)

80.85 U Adelaide [Adelaide] (Qld 10)
B Eng (Elect & Electronic) double degs

electrical & communications

B Engineering (Telecommunications)
University of Adelaide Adelaide
99.95 (Qld 1) (IB 45) F/P

principal subject areas

electrical & communications

historical data

2015	99.95
2014	98.35
2013	97.90
2012	85.80
2011	92.10

notes:
Cut-off scores listed are for the published main round offers in January each year. (Some Queensland anomalies have been adjusted.)
Oth. selection criteria other than just an ATAR
n/a no valid cutoff possible - too few offers
(Qld is the ATAR equivalent)
(IB is International Baccalaureate equivalent)

Subject Bonus Points in SA

SA Language, Literacy and Mathematics Bonus Scheme

- Maximum of 4 bonus points
- 2 per subject for Specialist Mathematics, Mathematics Methods, English Literary Studies, English, LOTE
- Must get a C- or better
- Does NOT apply for Medicine or Veterinary Bioscience

- *Check each university website individually*

English

SACE Stage 1 subject choices 2016:

- English
- English as an Additional Language

- Both 20 credits

English

SACE Stage 1 subject choices 2017:

- English
- English as an Additional Language

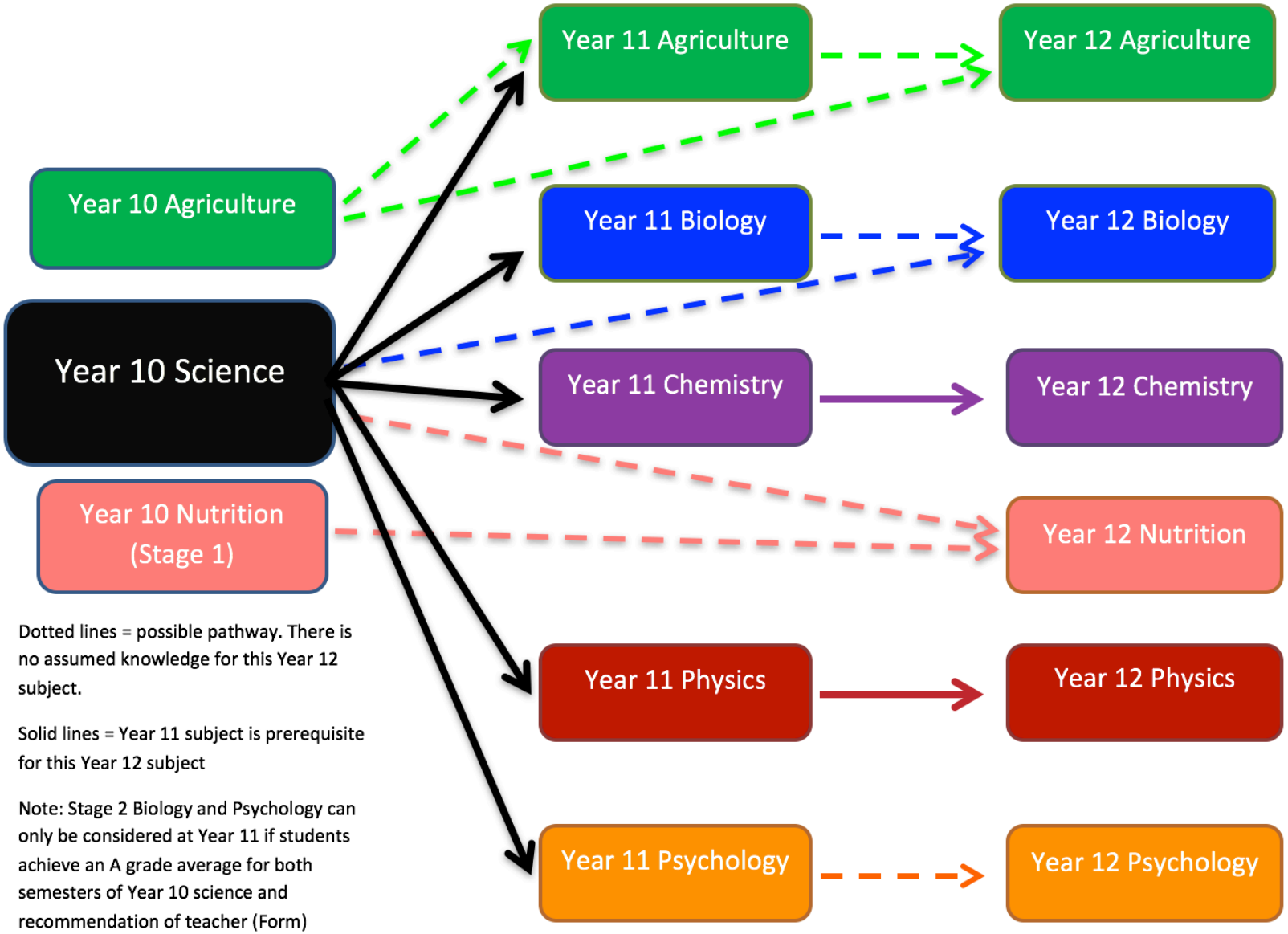
- Both 20 credits

(At Stage 2 we offer English Literary Studies, English, Essential English and EALS. Year 11 students are given detailed information about these subjects towards the end of term 2)

Science

SACE Stage 1 subject choices 2017

Science Pathways



Dotted lines = possible pathway. There is no assumed knowledge for this Year 12 subject.

Solid lines = Year 11 subject is prerequisite for this Year 12 subject

Note: Stage 2 Biology and Psychology can only be considered at Year 11 if students achieve an A grade average for both semesters of Year 10 science and recommendation of teacher (Form)

Mathematics

SACE Stage 1 subject choices 2017

Numeracy and SACE

The SACE has *compulsory* (literacy and) *numeracy* requirements.

A minimum C grade in 10 credits (1 semester) of any one of the mathematics courses offered will meet the numeracy requirement of the SACE.

Subject choices

Essential Mathematics (10 or 20 credits)

General Mathematics (20 credits)

Mathematical Methods (20 credits)

Specialist Mathematics (40 credits)

(in conjunction with Mathematical Methods)

Essential Mathematics (10 or 20 credits)

This pathway prepares students who are planning to pursue a career in a range of trades or vocational pathways.

Topics include calculations, statistics, measurement, earning & spending, investing.

Prerequisite:

Year 10 General Mathematics (C grade or better and recommendation)

Semester 1

(10 credits)

Semester 2

(10 credits)

STAGE 2

Essential Mathematics

(C grade or better, recommendation)

General Mathematics (20 credits)

This pathway prepares students for entry to tertiary courses requiring a non-specialised background in mathematics.

Topics include statistics, measurement, investing & borrowing, networks, matrices.

Prerequisite:

Year 10 General Mathematics (B grade or better and recommendation), or
Year 10 Mathematics (C grade or better and recommendation)

Semester 1

(10 credits)

Semester 2

(10 credits)

STAGE 2

General Mathematics

(B grade or better, recommendation)

Essential Mathematics

(C grade or better, recommendation)

Mathematical Methods (20 credits)

This pathway can lead to tertiary studies of economics, computer sciences, and the sciences. It prepares students for courses and careers that may involve the use of statistics, such as health or social sciences.

Topics include trigonometry, polynomials, growth & decay, statistics, calculus.

Prerequisite:

Year 10 Mathematics (C grade or better and recommendation)

Semester 1

(10 credits)

Semester 2

(10 credits)

STAGE 2

Mathematical Methods

(B grade or better, recommendation)

General Mathematics

(C grade or better, recommendation)

Essential Mathematics

(C grade or better, recommendation)

Specialist Mathematics (40 credits)

In conjunction with Mathematical Methods (20 credits)

This pathway leads to a range of tertiary courses including mathematical sciences, engineering, physical science, and laser physics.

Topics include sequences & series, geometry, vectors, matrices, mathematical induction, complex numbers.

Prerequisite:

Year 10 Mathematics (B grade or better and recommendation)

Semester 1

(10 credits)

Semester 2

(10 credits)

STAGE 2

Specialist Mathematics

and

Mathematical Methods

(B grade or better, recommendation)

General Mathematics

(C grade or better, recommendation)

Essential Mathematics

(C grade or better, recommendation)

When choosing…

'Choose to your highest potential!'

Consider:

- Year 10 Mathematics results and teacher's recommendation
- Year 11 course prerequisites
- Meeting the SACE numeracy requirement *(C grade or better)*
- Career pathways and prerequisites

- Keeping your options open as far as possible

When choosing…

Discuss your choices with:

- Family
- Mathematics teacher
- Careers counsellor (Mr Kelly, Mrs Sorensen)

‘Choose to your highest potential!’