



NCEA AND CIE INFORMATION EVENING



Many schools run multiple qualifications.

Macleans has a curriculum programme with four different pathways:

NCEA

CIE

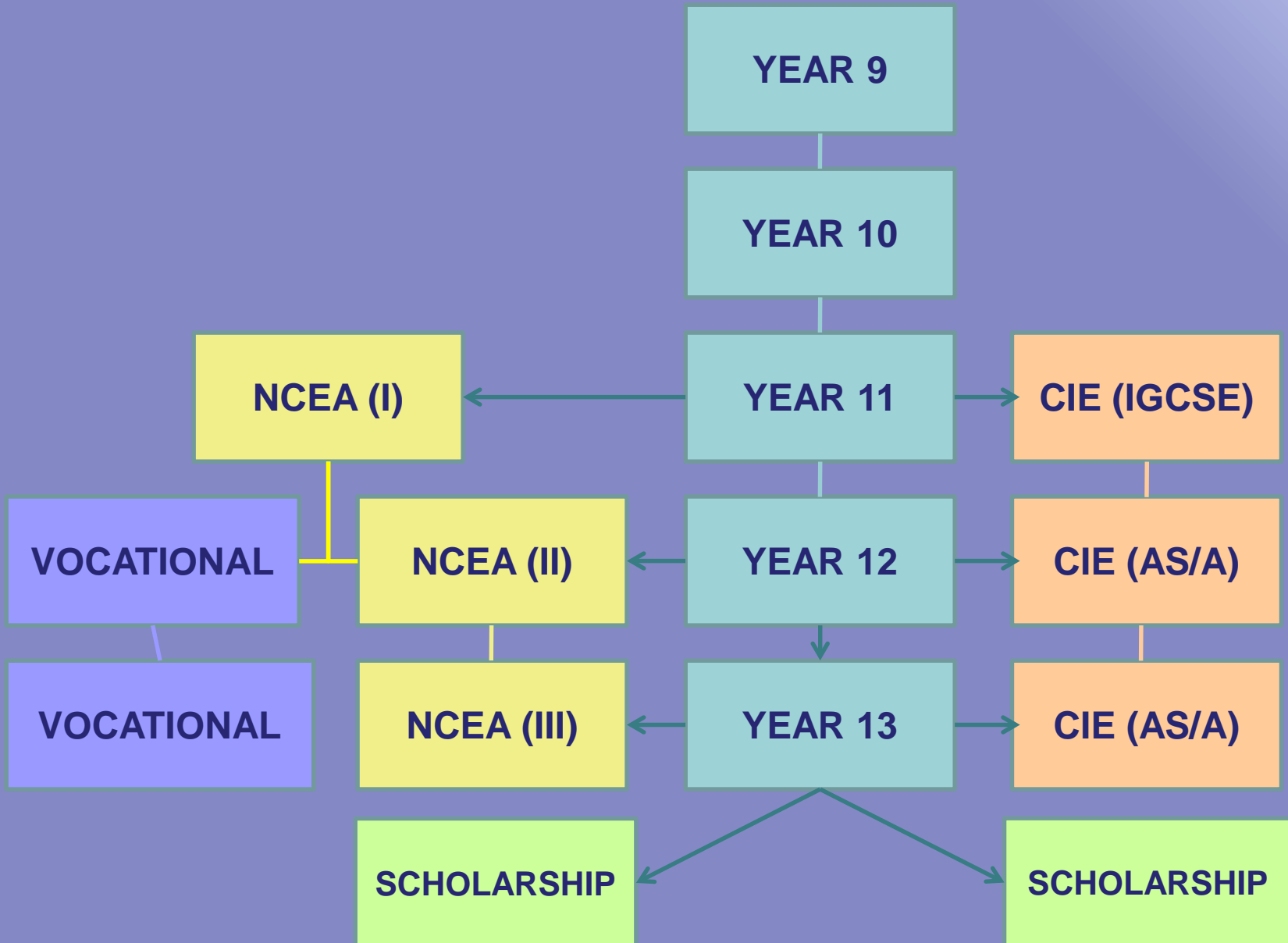
Vocational
Scholarship



THE MULTIPLE PATHWAY

- ◆ Caters for different learning needs
- ◆ Caters for different learning outcomes
- ◆ Gives choice
- ◆ Caters for the international market
- ◆ Meets the school's philosophy
- ◆ Suits the range of needs of our students (and parents)

STRUCTURE



NCEA



National Certificate of Educational Achievement

run by

NZQA

(New Zealand Qualifications Authority)



- The National Certificate of Educational Achievement is available at 3 levels:
 - Level 1 for Year 11 students
 - Level 2 for Year 12 students
 - Level 3 for Year 13 students
- (Level 4) NZ Scholarship also available to
NCEA and CIE students



Assessment

- All assessment is **standards based**.
- Subjects are broken into Achievement Standards.
- Some of the Achievement Standards for each subject are **externally assessed** at the end of the year.
- Some standards are **internally assessed** throughout the year – tests, assignments, reading logs, practical projects etc.



Standards Based Assessment

- Every Achievement Standard is marked using **Standards Based Assessment**.
 - Standards describe what a student knows and can do.
 - Standards describe the level of work that students need to produce.



Standards Based Assessment

- Students are awarded one of 4 grades for each Achievement Standard:

- Not Achieved No credits gained
 - Achieved
 - Merit
 - Excellence
- } Pass – gain all the credits

Standards are marked against criteria

No marks are allocated

Level 2 Mathematics

			Level	No. of Credits	Result
A	91261	Mathematics & Statistics 2.6 – Apply algebraic methods in solving problems	2	4 Ext	E
A	91262	Mathematics & Statistics 2.7 – Apply calculus methods in solving problems	2	5 Ext	M
A	91267	Mathematics & Statistics 2.12 – Apply probability methods in solving problems	2	4 Ext	E
A	91256	Mathematics & Statistics 2.1 – Apply co-ordinate geometry methods in solving problems	2	2 Int	A
A	91257	Mathematics & Statistics 2.2 – Apply graphical methods in solving problems	2	4 Int	A
A	91259	Mathematics & Statistics 2.4 – Apply trigonometric relationships in solving problems	2	2 Int	A
A	91269	Mathematics & Statistics 2.14 – Apply systems of equations in solving problems	2	0 Int	N

Credit Total 22/24





Gaining a NCEA

- Level 1 : 80 credits at any level, including
10 credits in reading and writing (*literacy*)
10 credits in number skills (*numeracy*)
- Level 2 : 80 credits; a minimum of
60 credits at Level 2 or above
+ at least Level 1 literacy & numeracy
- Level 3 : 80 credits; a minimum of
60 credits at Level 3 or above.
+ at least Level 1 literacy & numeracy
- Certificate Endorsement Students who gain 50 credits or more of merits and excellences.
- Course Endorsement Students who gain 14 credits or more of merits or excellences in a single subject.



University Rank Scores

E (excellence) =	4 pts each
M (merit) =	3 pts each
A (achieved)=	2 pts each
N (not achieved) =	0 pts

e.g. 91426 Geography 3.1 Natural Processes worth 4 credits

A student gets all 4 credits whether they gain either E, M or A, the Rank Score is calculated using the scores above.

e.g. if achieved with merit would give a rank score of $4 \times 3 = 12$.

The maximum total Rank Score possible is 320

i.e. 80 credits achieved with excellence $80 \times 4 = 320$.



NCEA National Certificate of Educational Achievement

UE 2017

General NCEA Level 3	Approved Subject 1 (14 credits)	Approved Subject 2 (14 credits)		Approved Subject 3 (14 credits)	At least 18 further credits Level 3 or above + At least 20 credits Level 2 or above
<u>Literacy</u> NCEA Level 2 or above (10 credits)	Reading (5 credits)		Writing (5 credits)		
<u>Numeracy</u> NCEA Level 1 or above (10 credits)	Mathematics/Numeracy (10 credits)				

Note: From 2016 the University of Auckland will require all students applying to have a minimum of 17 credits in English at Level 2 or 3.



CIE

Cambridge International Examinations

run by

University of Cambridge Local Examinations
Syndicate,
a department of the University of Cambridge



CIE INTERNATIONAL MARKET

CIE can meet the changing nature of our school in terms of:

- ◆ Student background
- ◆ International student market
- ◆ There is a growing interest in international universities for both “international” and “local” students - in particular these are in Australia, USA, Britain and at “home”



Course Characteristics

- Whole subjects are taught
- External examinations at the end of the year
- Practical work in science
- Practical work in art, music and graphics
- Speaking and listening tests in languages
- Individual research
- Mid-Year resits. A student can re-sit some examinations in June of the following year to improve their grades at AS and A level (not IGCSE).

CIE



- CIE offers three general secondary qualifications:

Year 11 – IGCSE

Year 12 & 13 – AS (and A Level for some students)

Year 13 – AS-A Level (Pre-U)



IGCSE

- International General Certificate of Secondary Education.
- CIE equivalent to the British GCSE
(but not the same and at a higher level)
- Foundation for higher level courses, especially AS/A Level.



AS

- Advanced Subsidiary
- First half of a full A Level (second half = A2)
- Covers the core/ foundation of the subject at Year 12 or Year 13.
- A worthwhile, stand-alone qualification for those who choose not to take the full A Level.
- A sound foundation for tertiary study.
- A student can gain general university entrance in NZ from AS.



A Level

- AS (Year 12) + A2 (Year 13) = A Level
- Based on rigorous syllabuses.
- Challenging assessments to stretch the most able.
- Good preparation for New Zealand Scholarship.



CIE Grade Boundaries

Grade	IGCSE Mark	AS/A Mark
A*	90 - 100	90 – 100 (A Level only)
A	80 – 89	80 - 89
B	70 – 79	70 - 79
C	60 – 69	60 - 69
D	50 – 59	50 - 59
E	40 – 49	40 - 49
F	30 - 39	
G	20 - 29	

UCAS Tariff & CIE Qualifications

(cf NCEA rank score calculation)



- Each grade, A – E, carries a number of points.
- Points can be aggregated.
- Universities around the world recognise the international AS and A Levels with their own national matriculation requirements, using the UCAS tariff.
- The New Zealand Vice-Chancellors' Committee recognises both A/AS Levels as entrance level qualifications for admission to New Zealand universities, also using the UCAS tariff.



The UCAS Tariff (points)

AS

A = 60

B = 50

C = 40

D = 30

E = 20

A Level

A* = 140

A = 120

B = 100

C = 80

D = 60

E = 40



University Entrance via CIE

General 120 points on UCAS tariff (from best six subjects)
Minimum of 3 x D grades in AS and/or A Level
Most universities now require more than this for
entrance to a course

Numeracy D grade in IGCSE Mathematics

Literacy E grade in AS English

Note: From 2016 the University of Auckland will require a minimum of a D grade in English at AS or A Level or 17 credits in NCEA Level 2 or 3 English.

Some Auckland University GES Guaranteed Entry Scores (in 2017)



Degree	NCEA (Rank Score)	CIE (UCAS)
BA	150	150
BCom	180	190
BE(Hons)	260	310
BSc (Bio Med)	280	310
BSc (Common)	165	170

Note:

Some courses also require the student to have studied a particular subject(s) sometimes achieving a required grade.



MIXED NCEA/CIE COURSES

- ◆ Students sometimes study a subject that is not available in their main qualification (e.g Languages) or with English (ESOL) (and Literacy for Academic Purposes) and occasionally Mathematics if they have difficulties or exceptional ability in these subjects.
- ◆ At Year 12 and 13 studying a subject in the other qualification is occasionally acceptable as long as UE is not compromised. (Note: mixing NCEA and CIE for Literacy and Numeracy is **usually** acceptable for UE but **not always**.)
- ◆ Students must seek approval from senior management if they wish to take a mixed course.



TWO EXAMPLES OF UNIVERSITY ENTRANCE FOR 2017



University of Auckland

Minimum Literacy requirements

from 2017

NCEA 17 credits in Level 2 or 3 English

CIE D grade in AS or A Level English
Literature or Language



CIE – Student A

Year 12

AS English	D
A Mathematics	B
AS Chemistry	B
AS Physics	D

Year 13

A Chemistry	C
AS Business Studies	D
AS Physics	A
NCEA (L3) Drama	20 credits

UCAS CALCULATION (best 6 subject units)

UE	A Mathematics	B =	100
	A Chemistry	C =	80
	AS Physics	A =	60
	AS Business Studies	D =	<u>30</u>

270 UCAS tariff points

Includes minimum D grade in AS English

(from 2016 for University of Auckland – D grade)

minimum D grade in IGCSE Mathematics or above (achieved in Year 11)



NCEA – Student A

Year 13 (NCEA Level 3)	Achieved	Merit	Excellence
Geography 14 credits	2	7	5
Mathematics 18 credits	10		8
Physics 20 credits	5	13	2
Chemistry 24 credits	10	6	8
Biology 22 credits	4	8	14
	31	34	37

Has 3 x 14 credits in Approved subjects, Has Level 3 Certificate (80 credits)

Plus Minimum 10 credits Literacy (5 reading, 5 writing)

(from 2016 for University of Auckland 17 credits in English Level 2 or 3 achieved in Year 12)

Minimum 10 credits Numeracy (Level 1 Mathematics and above achieved in Year 11)

Rank Score Calculation: $37 \times 4 + 34 \times 3 + 9 \times 2 = 251$

RANK SCORE 251



Costs

- NCEA is funded by the Government. Students pay a one-off entry fee for the setting and marking of examinations.
- CIE administration is heavily funded by the school to cover administration costs and salaries, textbooks, general equipment, IT resources, exam supervision, staff training, affiliation fees etc. The school charges an administration fee to cover these costs.
- Subject entry costs are charged by CIE for the setting and marking of examinations and vary between courses and vary according to the exchange rate.
- Please refer to the letter sent to all parents regarding NCEA and CIE fees and the Course Information Booklet.



www.macleans.school.nz

NCEA

www.nzqa.govt.nz

CIE

www.cie.org.uk

www.acsnz.org.nz