

SPOTSWOOD COLLEGE TE KURA TUARUA O NGAMOTU

Koru programme

Growing thinkers and uncovering student's passions

Extension and Gifted and Talented Programme at Spotswood

Koru programme

Growing thinkers and uncovering student's passions

Overview

Spotswood College is excited to offer a student support programme for academic students.

- The unfolding Koru symbolises the ideas of academic potential, growth, and constant movement.
- Students will be supported with their chosen academic pathways. In the Koru programme students are placed with academic focussed learning advisors and mentors who can help support the development of their goals.

Goals

- This programme will find, uncover and extend upon students educational interests, passions and dreams.
- 2. It will offer opportunities along the way, like bringing in guest mentors and off site trips. There is a 'Gifted and Talented' conference in Wellington that could be an option to go to.
- 3. The Koru programme will also track and monitor each student's progress and help with the selection of their subjects.
- 4. Their learning advisor will liaise with each of their teachers to ensure that they are being extended within and across their learning programmes.
- 5. Their advisor will liaise with parents as to junior students being able to do NCEA Senior level papers and/or courses. They will help develop a personalised programme for each student.
- 6. Each learning advisor and parent/s of each student will keep up to date communication and form a connective relationship. This includes, monitoring each student's well being.
- Students will be guided through their own research projects where 12 key academic thinking types will be taught and built upon.

Thinking academically

- Generative thinking
- Deeper thinking
- Wider lateral open thinking
- Critical thinking
- Creative thinking
- Speculative thinking

- Notational thinking
- Contextual thinking
- Philosophical thinking
- Blended thinking
- Deconstructive thinking
- Independent, agentic thinking

Have Fun

Monitor Wellbeing

Grow Interests

Be extended in classes

Learn 12 thinking types

Guest mentors

Track progress

Trip opportunities

Do a Year 11 class

Own research projects

JUNIOR TIMETABLE **TUESDAY** MONDAY **THURSDAY** WEDNESDAY **FRIDAY LEARNING LITERACY ADVISORY** WIDENING OF **NUMERACY** THE MIND STEAM **IMPACT STEAM IMPACT STEAM** INQUIRY **INQUIRY ACTIVE COMMUNITY LEARNING ACTIVE** CLUBS **MOVEMENT** CONNECT MOVEMENT **ADVISORY**



2:10

11FRENCH

Period 5

SDE 2:10

B7

TUFF

PGA/SJO 2:10

A5

2:10

TENPIN

PGA 2:10

A5

9SPANISH

MDI

B8

NCEA Level 1 SCIENCE



SDE

B7

2:10

TUFF

PGA/SJO 2:10

A5

2:10

TENPIN

PGA 2:10

A5

INHRTN

RMO

A13

2:10

11FRENCH

Period 5

(full year)

NCEA Level 1 SCIENCE



A12

S8

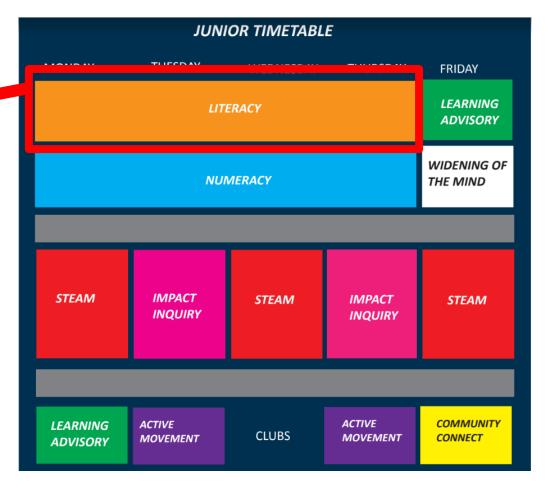
STAFFROOM

NCEA Level 1 MATHS (full year)



NCEA Level One Science (Inheritance)

Global Citizens jLCITZNS	Year 9 only: Gifted and talented. Fast-paced learning for lovers of reading and writing. Pathway to G & T Year 10.
Quintessenti al Literary Classics jLQNTLIT	Year 10 only. Gifted and talented. In-depth literary study. Developing into Level One English standards throughout the year.
Caller ID jLCALLID	Yr 9 & 10. Reading, film and writing. Discovering your identity.
Dare to be Different jLDREDFF	Yr 9 & 10. Focus on reading and writing. Studying people who have dared to be different.
Endurance and Survival jLENDSRV	Yr 9 & 10. Reading, writing and viewing. Stories of survival.
Paper Trails, Paper Tales jLPATPAT	Yr 9 & 10. Reading, writing, watching and listening. The trail we leave in the world.



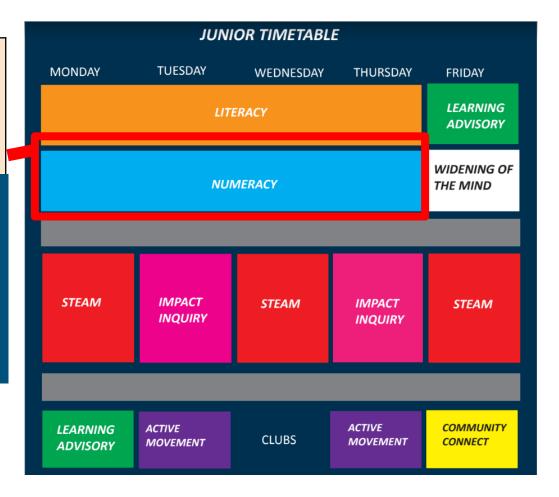
jNXMARKS X Marks the Spot Year 9 or 10 students. **Gifted and talented.** Students will work through NCEA Level 1 during this two year programme.

Mathematics Pathway:

Students required to select courses that cover all six strands of the Mathematics NZC.

Number	Statistics	Measurement
Algebra	Geometry	Probability

It is highly recommended that students select jNPRDODD in either S1 or S2 in 2020.



STEAM MONDAY = SENIOR POP UP

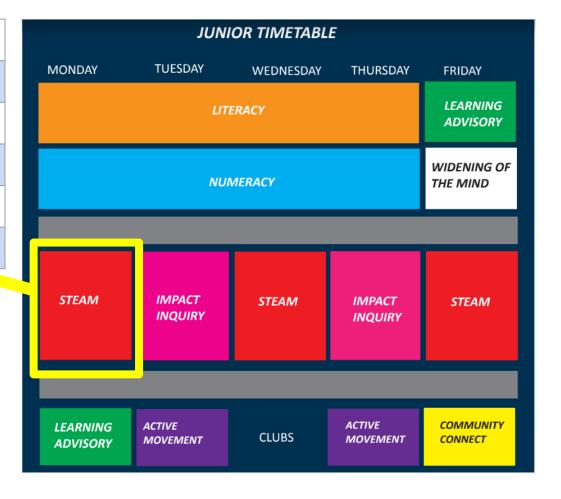
Science NCEA Level 1 standards

Geography NCEA Level 1 standards

History NCEA Level 1 standards

Farming NCEA Level 1 standards

Art NCEA Level 1 standards



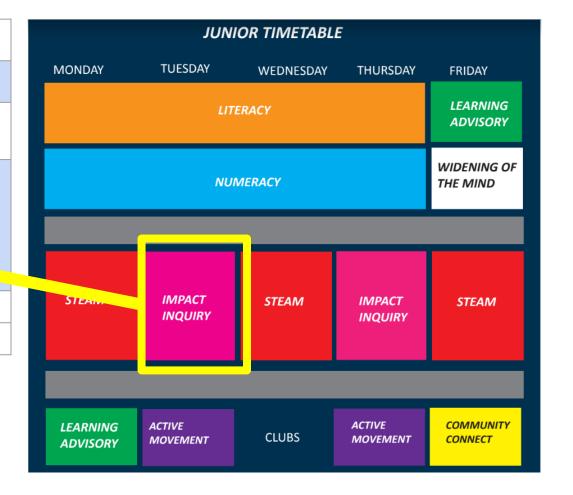
IMPACT INQUIRY: TUESDAY

Robotics/ coding INQUIRY

"Science for Experts" Inquiry group

Year 9 LANGUAGES:

- Spanish
- Japanese
- French
- Te Reo Maori



STEAM WEDNESDAY = SENIOR POP UP

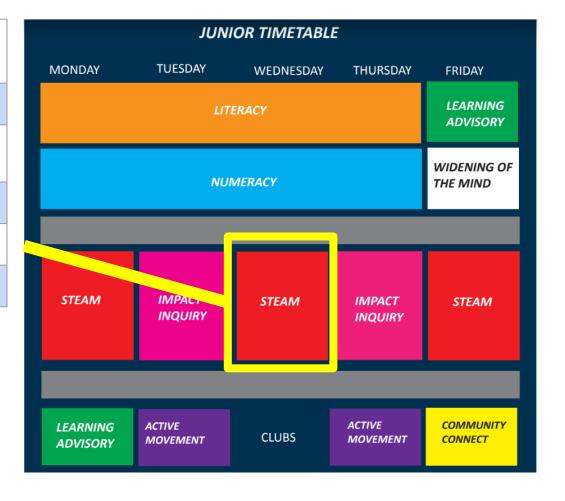
Science NCEA Level 1 standards

Drama NCEA Level 1 standards

History NCEA Level 1 standards

Geography NCEA Level 1 standards

Farming NCEA Level 1 standards



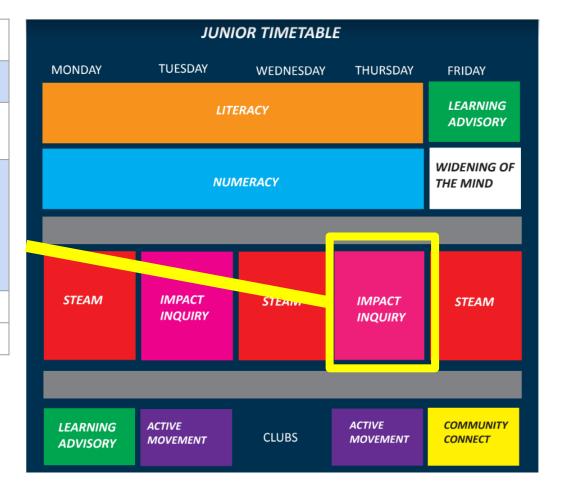
IMPACT INQUIRY: THURSDAY

Robotics/ coding INQUIRY

"Science for Experts" Inquiry group

Year 10 LANGUAGES:

- Spanish
- Japanese
- French
- Te Reo Maori



STEAM FRIDAY

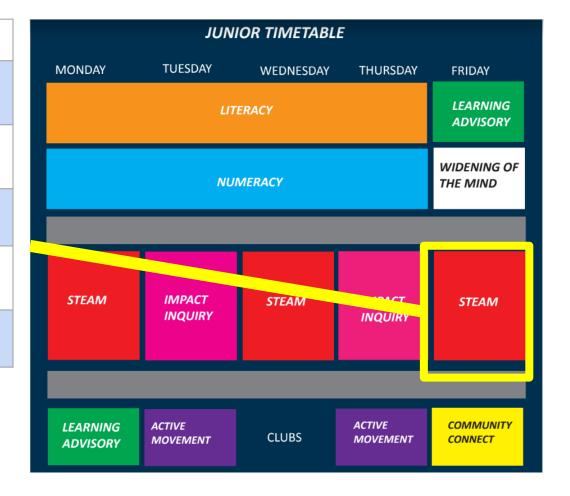
Science NCEA Level 1: Biology and Microbes

Drama NCEA Level 1: Whose line is it anyway?

NCEA Level 1 Art

Science NCEA Level 1: Physics and Chemistry

NCEA Level 1 Social Sciences





Mathematics and Numeracy

At Spotswood College

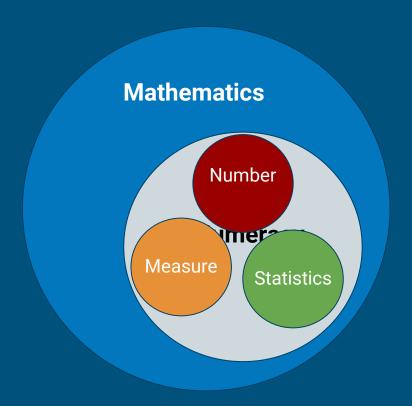


Being Numerate

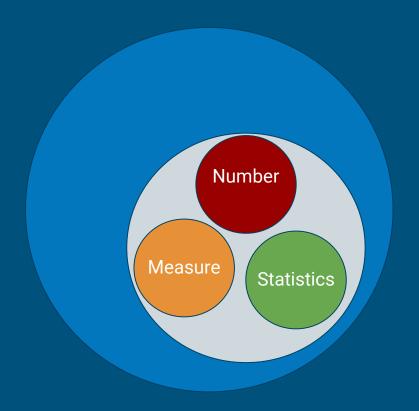
A numerically literate person can manage and respond to the mathematical demands of life.

"Greater numeracy has been associated with reduced susceptibility to framing effects, less influence of nonnumerical information such as mood states, and greater sensitivity to different levels of numerical risk" - Wikipedia entry

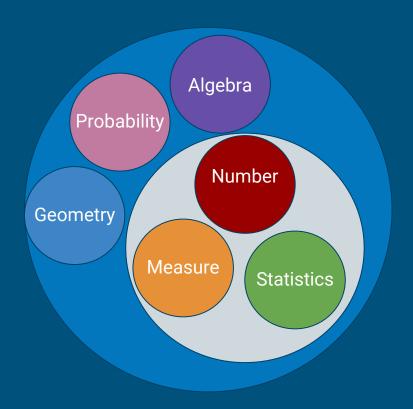




Numeracy is represented in parts of the Mathematics NZC.



Numeracy as defined by NZQA in the NCEA framework



Mathematics as defined by NZQA in the NCEA framework

Junior Numeracy: 4 Semester Courses over 2 years

Mathematics Pathway:

Students required to select courses that cover all six strands of the Mathematics NZC.

Number	Statistics	Measurement
Algebra	Geometry	Probability

Numeracy Pathway:

Students can select any combination of courses so that **at least** they have the three numeracy strands.



Junior Numeracy courses at Spotswood College: 2020 Semester One

Course	Course Title	Dep	Number	Algebra	Geometry	Measurement	Statistics	Probability	NZ Curriculum Level
jncr80pp	Create Your Opportunities	МАТ	1	1					3 Numeracy course only
jNENVPRO	Envelop and Protect	TEC	✓			√			4/5
jNHLYWOD	Hollywood!	SOC	✓				✓		4/5
jNMATMTL	Math is Metal	TEC	✓			√			4/5
jNPRDODD	Predicting the Odds	МАТ		1				1	4/5
jNRSPONSE	A Measured Response	МАТ	1			√			6 (G&T)
jnrocket	CO ₂ Rockets	TEC	✓			✓			4/5
jNSCLSCI	Scale of Science	SCI		1		V			4/5
jNSHPTHG	Shape of Things	MAT	✓			✓			4/5
jNSIZMAT	Size Matters	TEC			✓	√			4/5
jNSPRTED	Sport In Education*	PED	1			✓	✓		4/5
jNTIPICE	Tip of the Iceberg	LSF	1			✓	1		1/2 Functional Numeracy

^{*}Please note for students selecting Sport in Education all three strands are only available for students selecting it for the whole year.

2020 Semester Two

Course	Course Title	Dep	Number	Algebra	Geometry	Measurement	Statistics	Probability	NZ Curriculum Level
jNENVPRO	Envelop and Protect	TEC	1			1			4/5
jNHLYWOD	Hollywood!	SOC	✓				✓		4/5
jNMATMTL	Math is Metal	TEC	✓			√			4/5
jNPRDODD	Predicting the Odds	МАТ		1				1	4/5
jnrocket	CO ₂ Rockets	TEC	✓			✓			4/5
jNSCLSCI	Scale of Science	SCI		1		1			4/5
jNSHPTHG	Shape of Things	МАТ	1			1			4/5
jNSIZMAT	Size Matters	TEC			✓	√			4/5
jNSPRTED	Sport In Education*	PED	1			1	1		4/5
jNTIPICE	Tip of the Iceberg	LSF	1			✓	1		1/2 Functional Numeracy
jNWEPONS	Weapons of Math Instruction	MAT				✓	1		3 Numeracy course only
jNXMARKS	X Marks the Spot	МАТ		1	1				6

^{*}Please note for students selecting Sport in Education all three strands are only available for students selecting it for the whole year.

The expectation for students wishing to study academic maths is that they select courses that cover the six strands of the NZC over a 2 year period.

Two Year Planning Cycle (for students at Level 4/5 of the NZC)									
		20	20		2021				
	Semest	ter One	Semester Two		Semester One		Semester Two		
Textiles Technology	Number	Measurement	Number	Measurement	Number	Measurement	Number	Measurement	
Hard Technology	Number	Measurement	Number	Measurement	Number	Measurement	Number	Measurement	
Social Science	Number	Statistics	Number	Statistics	Number	Statistics	Number	Statistics	
Design Technology	Measurement	Geometry	Measurement	Geometry	Measurement	Geometry	Measurement	Geometry	
Science	Algebra	Measurement	Algebra	Measurement	Algebra	Measurement	Algebra	Measurement	
Physical Education	Number	Measurement	Stati	istics	Algebra*	Probability*	Geometry*		
Maths	Algebra	Probability	Algebra	Probability	Algebra	Geometry	Statistics	Measurement	
	Number	Measurement	Number	Measurement	Statistics	Measurement	Algebra	Geometry	
LSF	Number	Measurement	Stati	istics	Number	Measurement	Statistics		
* Students stud	LSF Number Measurement Statistics Number Measurement Statistics * Students studying Sport In Education for two years may be able to negotiate to cover the full NZC over the two years. This will be determined on a case by case basis by the teachers in charge.								

It is highly recommended that students select jNPRDODD in either S1 or S2 in 2020.

Gifted and Talented

Two year extension programme for students working at or very close to Curriculum Level 6

Courses identified with G&T in the Junior Curriculum Book

2020 and 2021

Two Year Planning Cycle (for students at Level 6 of the NZC - Gifted and Talented)

	2020				2021			
	Semester One		Semester Two		Semester One		Semester Two	
Maths	Measurement	Number	Algebra	Geometry/ Projects	Geometry	Num/Alg	Probability	Statistics

Students will work through NCEA Level 1 during this two year programme. The programme is run by the maths department and taught by maths teachers.

Students will then gain direct entry into the NCEA Level 2 programme in mathematics when they reach Year 11. This allows students time in Year 13 to study further options in calculus or statistics or to enrol in university papers in mathematics run by the School of Engineering at Canterbury University.

Looking ahead...

Academic Maths Pathway

Junior	Year 11	Year 12	Year 13
Appropriate Junior Numeracy Courses (covering all six strands of the NZC)	MATHLETES NCEA Level 1 Academic Programme	MATH PI-RATES NCEA Level 2 Academic Programme NORMALLY AVERAGE NCEA Level 2 Statistics Programme (this course will only lead into the Level 3 Normally Average course)	DESIGNATED DERIVERS NCEA Level 3 Academic Programme (Calculus) Or NORMALLY AVERAGE NCEA Level 3 Academic Programme (Statistics) Scholarship - Calculus or Statistics
G&T Course - NCEA Level 1 completed by the end of Y10	MATH PI-RATES NCEA Level 2 Academic Programme	DESIGNATED DERIVERS NCEA Level 3 Academic Programme (Calculus) Or NORMALLY AVERAGE NCEA Level 3 Academic Programme (Statistics)	Possible Options: • The other Level 3 Academic Programme not studied last year • University of Canterbury School of Engineering Papers • Scholarship (Calculus and/or Statistics)

Looking ahead...

Numeracy Pathway

Junior	Year 11	Year 12	Year 13
Junior Numeracy Courses (covering three strands of the NZC) Or Junior Numeracy aimed at students working at Level 3	EVERYDAY I'M CALCULATIN' Vocational Numeracy Course working towards NCEA Numeracy through a Unit Standards package (some Achievement Standards may be available) A NUMBERS GAME A practical numeracy and PE course that will allow participants to complete requirements for numeracy through Achievement Standards.	FOR STUDENTS ALREADY WITH 10 NUMERACY CREDITS Students may select any Numeracy Programme they like and apply numeracy skills in an authentic and grounded context. For example: Cafe Kai, Tourism, Real World of Sense and Dollars.	FOR STUDENTS ALREADY WITH 10 NUMERACY CREDITS Students may select any Numeracy Programme they like and apply numeracy skills in an authentic and grounded context. For example: No Deposit 12 Months Interest Free.
	OTHER NUMERACY COURSE Students must check for the total number of numeracy credits in the Curriculum Book and if necessary select a STEAM course offering additional Numeracy Credits or a Numeracy Tutorial POPUP For example: World In Numbers, Practical Science Investigations.	ANY STUDENT WITHOUT 10 NUMERACY CREDITS See Year 11	ANY STUDENT WITHOUT 10 NUMERACY CREDITS See Year 11

Looking ahead...

Functional Numeracy Pathway

Junior	Year 11	Year 12	Year 13				
Functional Numeracy Course	MY JOURNEY, MY FUTURE						
Or for some students Junior Numeracy Aimed at Level 3	an integrated transition programmer on work skills and personal develo	ed through the Learning Support F me aimed at preparing students for pment. onger than one year to complete the	life beyond school and will focus				

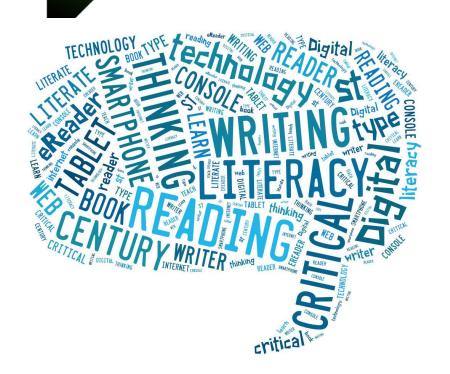
Where to find more

The 2020 full Junior Numeracy information document can be found here

Literacy at Spotswood College

As part of Spotswood's commitment to improving literacy for all of our students, we offer literacy across the whole school. This means that every Junior Literacy class, regardless of the lens it is taught through, measures the key skills needed to develop literacy.





What is literacy?

By literacy we mean, gaining and developing skills to: - communicate effectively through writing

and

-understand information and ideas when <u>reading</u>.



What is the difference between English and Literacy?

English is structured around two interconnected strands:

- Making meaning (understanding through listening, reading and viewing)
- Creating meaning (producing through writing, speaking and presenting)
- Each strand involves visual, oral and written language

Literacy focuses on developing skills in reading and writing through a subject area lens.

Our key Literacy focus in 2019 has been on developing writing OTSWOOD COLLEGE

TE KURA TUARUA O NGAMOTI

ON THE KURA TUAR

Supporting students to choose the right Literacy class

JUNIORS:

1. Gifted and talented (including students who are passionate about reading and writing) junior students should be enrolled in -

Yr 9: Global Citizens and Yr 10: Quintessential Literary Classics. These are the only year-long courses in the Junior Literacy curriculum.



Semester 1 2020 Junior Literacy Courses: ENGLISH

Global Citizens jLCITZNS	Year 9 only: Gifted and talented. Fast-paced learning for lovers of reading and writing. Pathway to G & T Year 10.	
Quintessential Literary Classics jLQNTLIT	Year 10 only. Gifted and talented. In-depth literary study. Developing into Level One English standards throughout the year.	
Caller ID jLCALLID	Yr 9 & 10. Reading, film and writing. Discovering your identity.	
Dare to be Different jLDREDFF	Yr 9 & 10. Focus on reading and writing. Studying people who have dared to be different.	
Endurance and Survival jLENDSRV	Yr 9 & 10. Reading, writing and viewing. Stories of survival.	
Paper Trails, Paper Tales jLPATPAT	Yr 9 & 10. Reading, writing, watching and listening on The trail we leave in the world.	COLLEGE O NGAMOTU

Gifted and Talented English Pathway

Juniors	Year 11	Year 12	Year 13
- Year 9 Global Citizens jLCITZNS	- Get Lit sLGETLIT	- Life Isn't Fair sLNTFAIR	- Complexity of Human Nature sLCMPXHM
- Year 10 Quintessential Literary Classics jLQNTLIT	- Carpe Diem sLCRPDIM		