



Academic Extension Program

Parent Information
Morning for 2023

INTRODUCTIONS



Mrs Kate Grayson
Associate
Principal Junior
Secondary (2023)



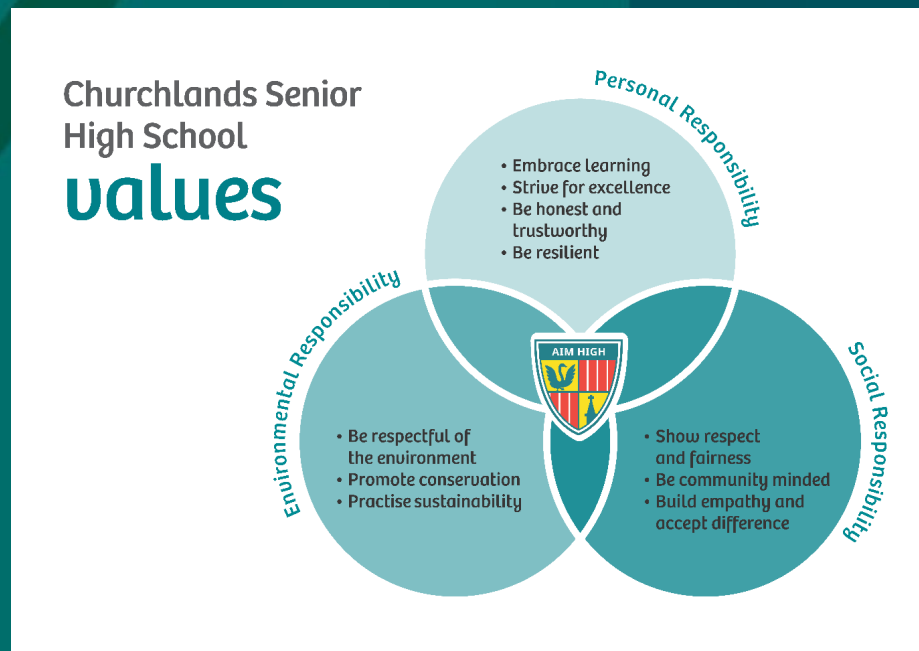
Mr Ricki Cocliff
Head of
Year 7 (2023)



Mr Pash Hollands
AEP Teaching and
Learning
Coordinator (2023)

Churchlands SHS' Academic Extension Program (AEP) enables “**high performance and high care**” by assisting gifted and talented students to achieve their very best possible learning outcomes in a **safe, respectful and supportive culture**.

This supports our school's values.



Gifted and talented students are represented in all socio-economic and cultural groups and are a significant part of the population in our school.

Gagne's model suggests that the top 10% of the population are "gifted".

Each individual student's, **emotional wellbeing, sense of belonging and academic progress** is fostered by our school community.



Giftedness can be viewed in multiple ways and children may be gifted in one or several ability domains.

Giftedness is defined as: *“The possession and use of outstanding **natural abilities**, called aptitudes, in at least one ability domain.”*



Talent is defined as “outstanding mastery of systematically developed abilities, called **competencies** (knowledge and skills), in at least one field of human activity”.

Talent emerges from ability as a consequence of the student’s **learning experience**.



Characteristics of Gifted Students

Cognitive

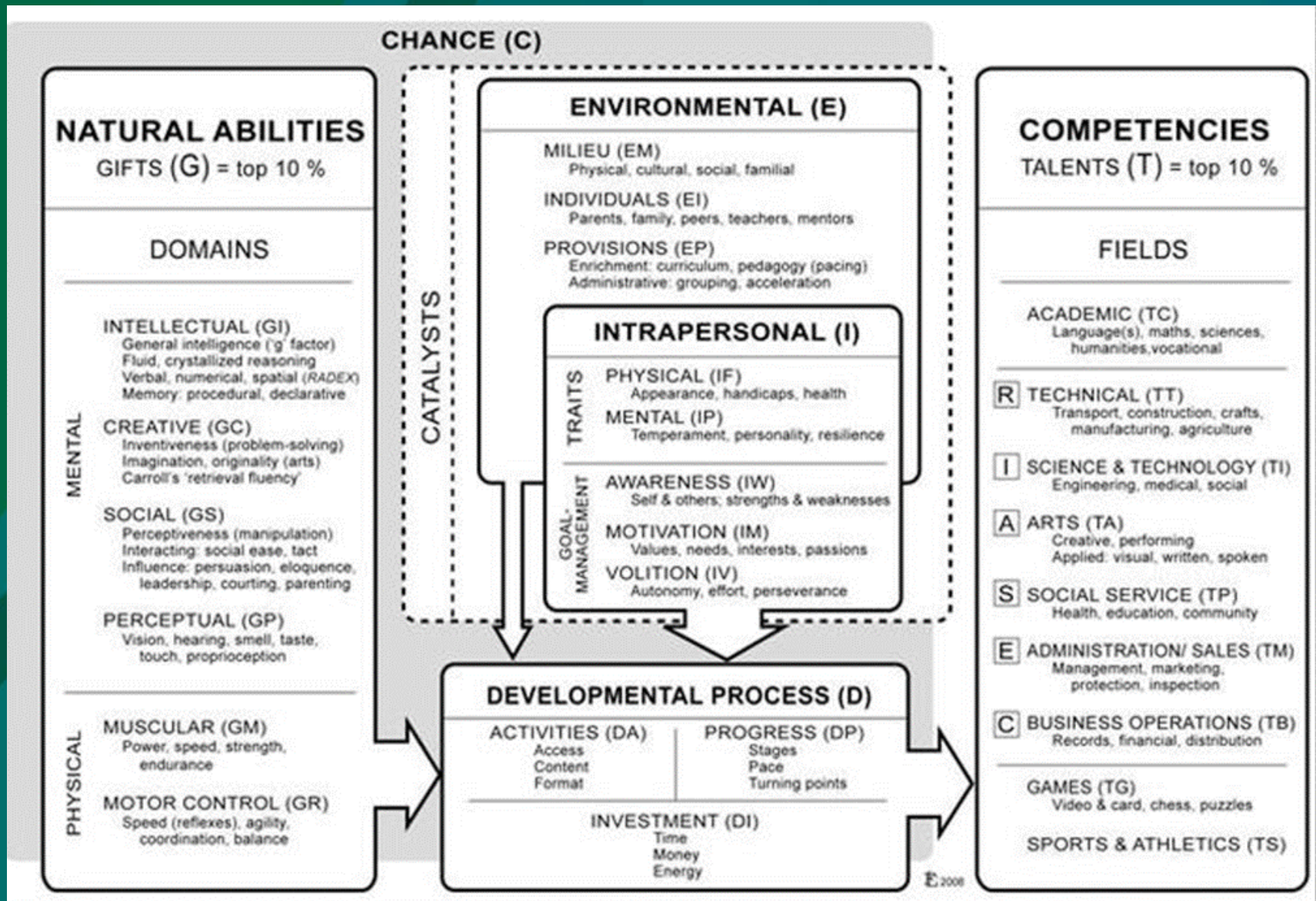
- Unusually well developed memory
- Curiosity
- Dislike slow paced instruction
- Reasons at a level higher than chronological peers
- Rapid learning
- Preference for independent work
- Have multiple interests
- Ability to generate original ideas
- "System thinkers" rather than linear thinkers
- Immersion learners

Characteristics of Gifted Students

Affective

- Well developed sense of justice
- Emotional intensity
- Preference for older friends
- Different concepts of friendship
- High levels of empathy
- Asynchrony
- Mature sense of humour
- Can be perfectionistic
- "Over-excitabilities"

The Academic Extension Program follows Gagne's Gifted and Talented Model



STRUCTURE OF THE PROGRAM

Two Academic Extension Program streams operate;

1. **English and HASS** (Humanities and Social Sciences)
2. **Mathematics and Science**

Students may be in one or both streams depending on their HAST results. If they are in one stream, they will be placed in an appropriate mainstream class for the other two subjects.

Student progress and achievement will be monitored and their position in the program is dependant on a number of factors including achievement.

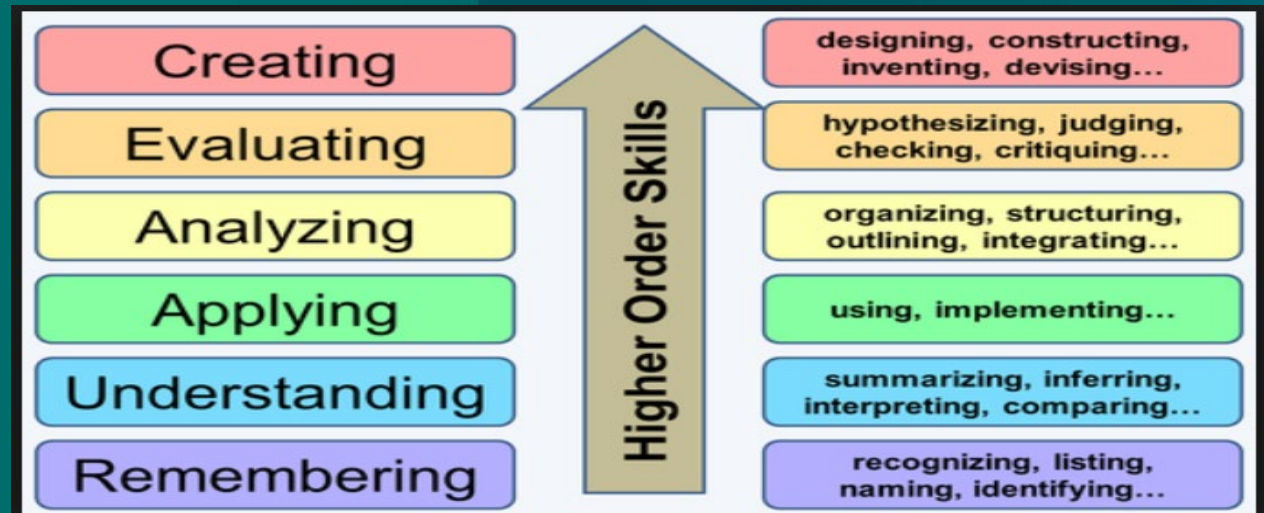
Aims of the Academic Extension Program

The Academic Extension Program caters for the unique needs of G&T students through a combination of the following throughout Junior and Middle Secondary School.

- **Extracurricular** and **cross-curricular** activities
- Utilisation of **technology** to become confident and adaptive users
- **Compacting** of the curriculum
- **Acceleration** of the content (without additional workload for students)

Aims of the Academic Extension Program

- Focusing on **metacognition**, learning how to learn as opposed to just the mark / grade!
- Provision of a **differentiated curriculum** catering to individual needs:
 - **Extension and challenge**, incorporating **Bloom's higher order cognitive skills**, such as critical analysis, problem solving, and application.



Aims of the Academic Extension Program

Focusing on **metacognition**, learning how to learn.

- Provision of a **differentiated curriculum** catering to individual needs:
 - **Student choice**; catering for individual interests, needs and strengths
 - **Collaborative learning**, fostering team work
 - **Student centred**, independent thinking and learning
 - Opportunities to foster **creativity**
 - Development and implementation of IEP's (Individual Education Plan) for **"twice exceptional"** students



Aims of the Academic Extension Program

- **Socio – Emotional Development**
 - Sense of belonging, part of a “tribe”
 - Supportive and **accepting of difference**
 - Provision of opportunity to **aspire to be the very best version of themselves**
 - **Foster risk taking** as often G&T students are risk averse, they “just don’t want to get it wrong”
 - Instil an **appreciation of learning** for life

Entry and exit from the Academic Extension Program

- **Entry** is based on a number of indicators of a student's giftedness.
 - E.g. HAST (Higher Ability Selection Test) results, nomination by teachers using gifted checklists, and outstanding academic achievement.
- **Exit** from program.
 - The program will endeavour to meet the academic and emotional needs of all G&T students.
 - Continued low achievement despite measures and assistance for improvement will result in **case management** and eventual transition to mainstream classes where the *student's needs would be better addressed*.

Cross-curricular Extension Activities

Year 8 Coral Bay Sustainability Camp

"Coral Bay was amazing!!! It really opened my eyes to the problems our world is facing and what I can do to help solve them whilst still being one of the funnest experiences of my life"



HASS

Learning Area

Extension Activities

Year 10 Canberra Tour

"At Parliament House, we learnt lots about the House of Representatives and the Senate, had tours, saw the Prime Minister and Opposition Leader at question time.

We even participated in a role play. It truly made us think about all the hard work and effort that our past and present politicians have put in to make our country as remarkable as it is today."



English Learning Area Extension Activities

Year 9 English

PIAF: Perth International Arts
Festival

and the Perth Writers Festival.

TEDx talks



How to recognise and protect yourself from
this latest evil

False or Misleading Advertising

Our investigators were horrified when
they revealed the latest scoop

Amber Howe · Zahra Ussi · Janet, my computer

Year 10 IDL (Inter Disciplinary Learning) Projects “Change”

- Students to explore the conceptual question:
“What **Change** do you wish to see?”
Groups frame their own question and then integrate the knowledge and modes of thinking of two or more MESH disciplines to answer it.
Students present to parents and staff.



Project Based Learning

Year 7 and 8 Science



National Competitions Year 7- 10



AUSTRALIAN MATHEMATICS TRUST



UNSW Global
AUSTRALIA

ICAS



HAVE SUM FUN ONLINE
Interactive Maths Quiz for Schools



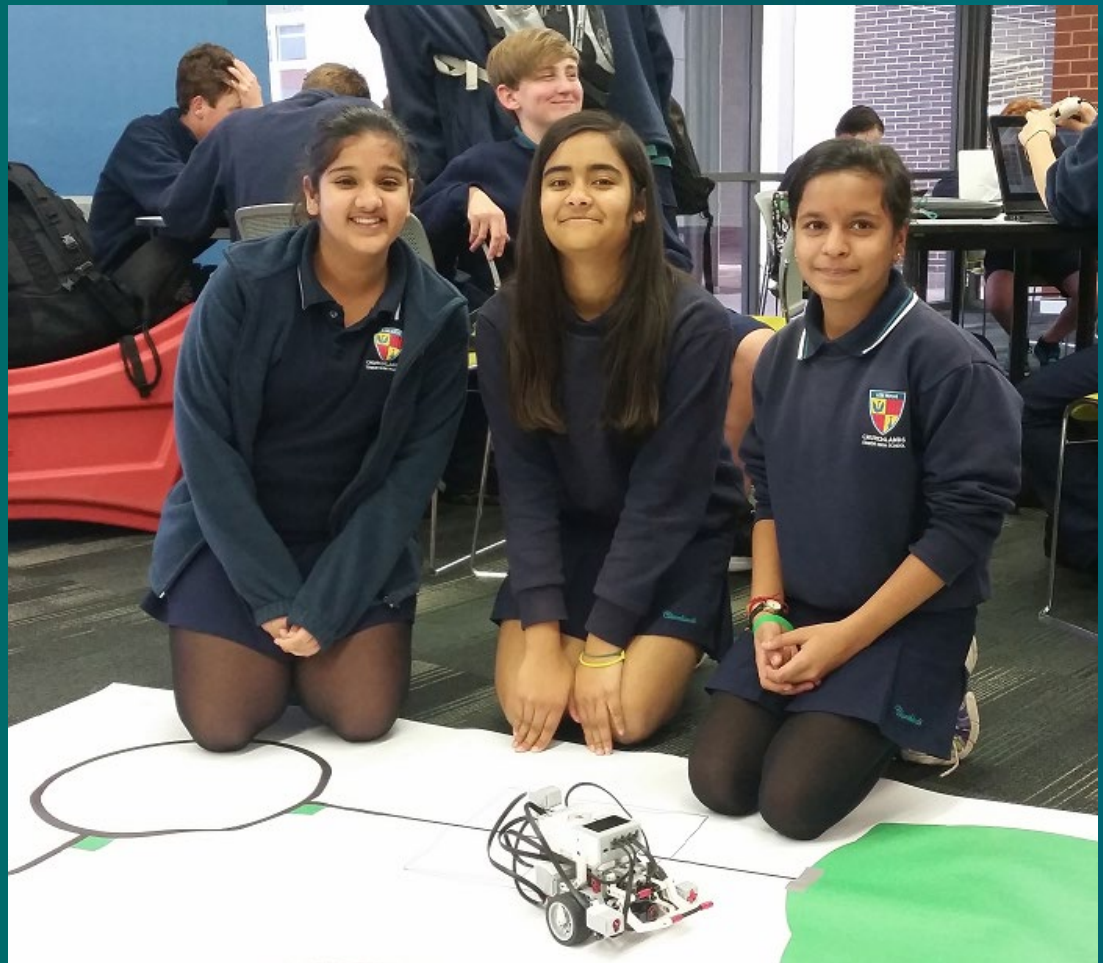
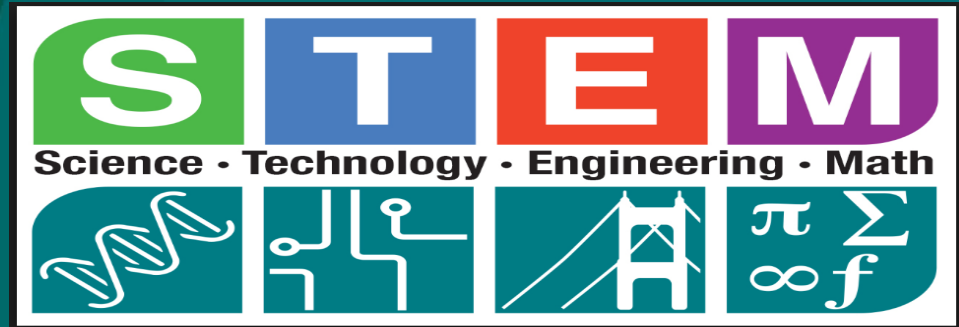
Extracurricular Extension Activities

Year 7 – 10 STEM Club

Science, Technology, Engineering and Maths. Eg coding, robotics and 3D design.

Caters for individual interests and projects.

Provides challenge, fosters critical thinking and creativity skills.



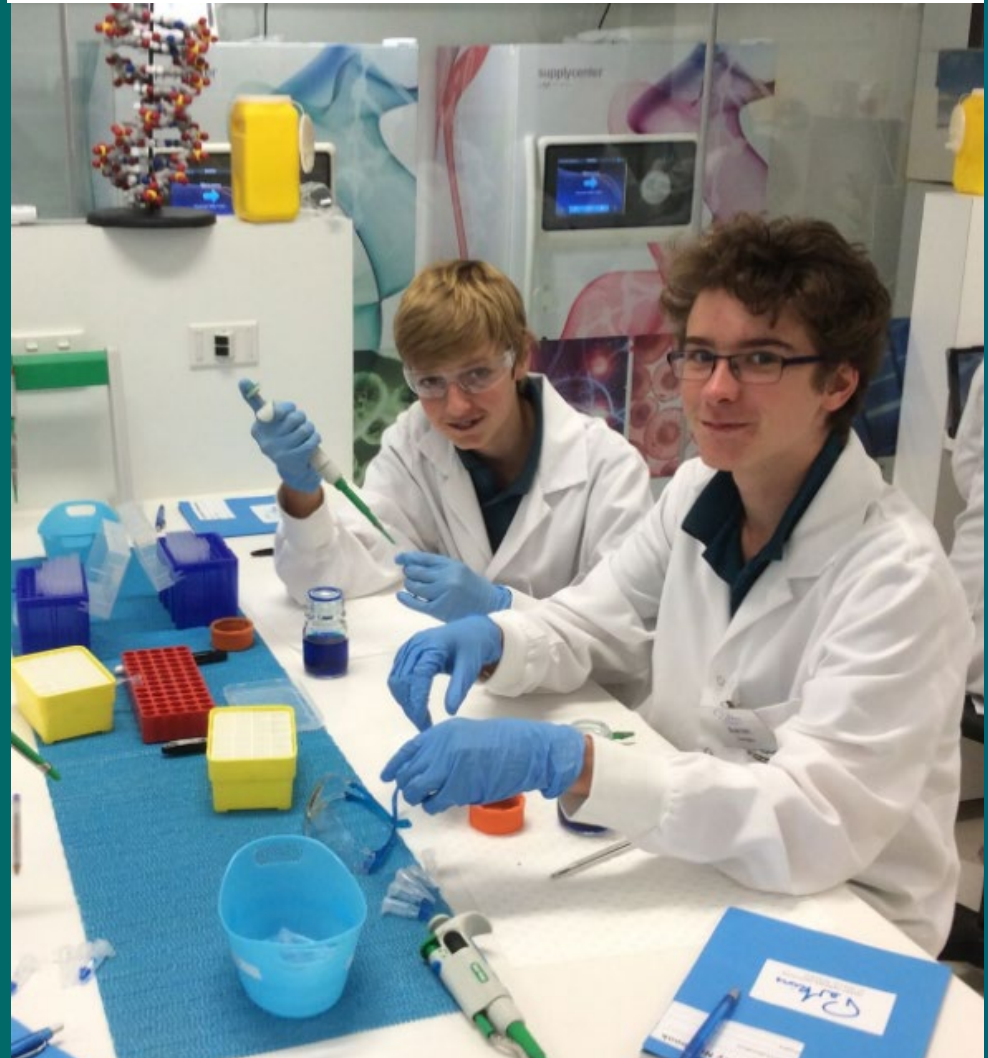
Extracurricular Extension Activities

Year 10 “Perkins Profs”

A 10 week course of
cutting edge
biotechnology at The
Harry Perkins
Research Institute
QE II Medical Centre



THE UNIVERSITY OF
**WESTERN
AUSTRALIA**



Extracurricular Extension Activities

**UN Award Winning
“Trees for Survival”**

Environmental Leaders program

Promoting and leading change for
a sustainable future.



INTERNATIONAL TOURS

Year 10 Academic Extension Program Maths
and Science Tour to the UK and Switzerland

Natural History Museum UK

CERN: Large Hadron Collider



Other international extension activities at Churchlands

Language tours to **China, France** and **Japan**

Ancient History tour to **Greece**

Music tour to **Europe or the US**

Ski tour to **New Zealand**

English Channel Swim