Carey Baptist College Harrisdale

GATE Program and Scholarships

Year 7 2025 Information Session Thursday 15 February, 5-6pm

ey welcomes you to the CATE 2025 information presentation

Agenda

- Why Carey? Why GATE? Mr Gifford – Secondary Principal
- GATE Programs, Applications, Testing, Results and Certificates, Scholarships, Offers, Key Dates
 Mr Stirling – Assistant Principal Curriculum / GATE Coordinator
- GATE STEM

Mr Choo – Director of STEM

GATE Academic Excellence

Mr Turner – Academic Excellence Coordinator

• GATE Music Specialist

Mr Florisson – Head of Music



Mr Brenden Gifford

Secondary Principal

- Why Carey?
- Carey Values
- Why GATE?
- Aims of the GATE program



Who are we?

At Carey, we believe that all people are made in God's image, having equal value and the right to be treated with dignity and respect.

Carey is a Values Driven College. The College values are:

- Kindness
- Courage
- Respect
- Humility
- Integrity

Why does Carey offer GATE?

- Carey has outstanding teachers and excellent facilities.
- GATE programs significantly extend students beyond the classroom by providing partnership access to the tertiary sector and to industry.
- All students benefit from these programs through increased College cooperation with industry and tertiary sectors, innovation and the addition and retention of outstanding learners.
- But, what matters most to us, is the development of young men and women of character. Character that is formed through the pursuit of excellence. We believe young people formed by kindness, courage, respect, humility and integrity are what the world needs. Perseverance produces character, and character produces hope.

Mr Rob Stirling Assistant Principal Curriculum

- Structure of Carey's GATE Program
- Application Details
- Academic Selection Test (HAST)
- GATE Scholarships
- Please direct any questions to *rstirling@carey.wa.edu.au*





GATE Handbook - 2025 Program (on Carey website)



- The Carey GATE Handbook provides more detailed information on the topics covered in tonight's presentation and includes comments from students who participated in each of the GATE programs.
- It answers 34 Frequently Asked Questions that parents have asked in previous years.
- The Handbook also includes a copy of the Candidate Information Bulletin (published by ACER) on the HAST Test.

Structure of the Carey GATE Program

- GATE is a selective program which includes several scholarship students, identified by using the HAST Test, and invited **enrolled** Carey students, based on their strong Semester reports and other data (like the HAST Test).
- GATE programs are offered in Year 7 through to Year 10.
- Carey's program is a specialist program, where students can participate in STEM or Academic Excellence <u>and</u> Music Specialist programs.
- They can also participate in STEM subjects (like Aviation), in addition to the Extension streams in Maths, Science, English and Humanities. Year 7s are streamed from Semester 2 onwards.
- Students are not in the same exclusive group for all of their classes, but mix with a variety of other extension students. This is aimed at developing student's 'soft skills' (collaboration, interpersonal, teamwork, creative thinking, communication, etc).





Focuses on project / problem solving inquiry-based learning. STEM integrates Science, Technology, Engineering and Maths, engaging students in imaginative, collaborative problem solving and reasoning.



3. Music Specialist

Provides opportunities for students to excel by engaging them in activities which develops their oral, communication, persuasive, analysis and research skills. Encourages students to learn through creation, performance and reflection, studying all genres of music.

How to Apply

Application Forms (online or paper copy).

All applicants should include the following (this also applies to current Carey students) as part of their applications:

- Most recent end of year report (include copy).
- Copy of Year 5 NAPLAN results (include copy).
- Recent Certificates and Awards won by the student (include copies).
- Other interests / abilities the applicant has and to what level.

The application is very important as points on the application are awarded on the evidence presented determines which students are invited to sit the test.

- The top 80-90 applicants are invited to sit the HAST.
- The application points are also added to the HAST Test score.

Application Guidelines

Other documents required with the application are:

- Birth Certificate.
- Recent photograph (for identification).
- Copies of recent Music exam results, especially if applying for GATE Music (if applicable).
- Recommendation from child's music teacher/tutor, if applying if applying for GATE Music Specialist.
- Information regarding disability (if applicable)
- Evidence of participation in extension, PEAC or STEM programs.

All recent evidence is allocated points towards ranking the applications. Our advice is to put in as much as you can.

Application Guidelines

- Applications may be made for **up to three** GATE programs (STEM, Music and Academic Excellence). Successful students can only receive one scholarship.
- Preference order must be nominated on the application form with a 1, 2, 3, but not all three need to be numbered.
- Up-to-date and accurate information must be included in the application (by parents/guardians).
- Invitations to sit the HAST Selection Test will be made from the applications (which includes Semester 2 reports / Year 5 NAPLAN results and other information supplied).
- All communication is by email; please make sure email addresses are current.
- Only one application per child be be accepted.

Application Guidelines

- All applications will be acknowledged by email.
- Auditions for Music Applicants will take place on second Saturday after the HAST test. Applicants will be contacted with the times for their audition.
- Positions in the GATE program and scholarships will be allocated on the basis of the HAST and information included in the application. For Music applicants, the audition and interview will make up 50% of their points.
- Students who have sat the ASET should send in their ASET results, which will be added to their applications.
- Application forms are available from curriculum@carey.wa.edu.au or from Building J at the Harrisdale Campus, or they can be filled out online at carey.wa.edu.au/scholarships.

Higher Ability Selection Test (HAST)

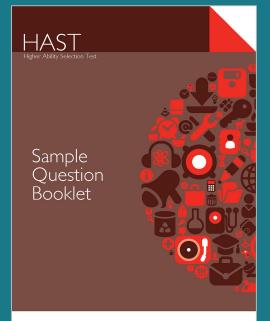
- It is an ability test used by many secondary schools to identify academically gifted students for participation in accelerated learning and enhancement programs.
- The HAST is similar to the ASET used by the Education Department (both produced by ACER). It is used by over 100 schools, mainly in NSW, Victoria and Queensland.
- It is a compulsory part of selection to all Carey GATE programs.
- The HAST is designed to measure innate ability and academic potential unlike curriculum-based tests which typically identify what a student has already learned.

The HAST

- There are four parts to the HAST.
- Parts 1-3 are multiple-choice, which are answered on a multiple choice answer sheet.
- Part 4 is a handwritten answer.
- Students rarely perform well in all four parts, but will score more highly in the English/Humanities parts parts 1 and 4; or the Maths/Science parts parts 2 and 3.
- Sample questions and further test details are included in the Candidate Information Bulletin (produced by ACER) which is included as part of the Carey GATE Handbook 2025.

Sample HAST Material

Visit acer.org/au/hast-secondary \bullet





HAST

Candidate Information Bulletin

Make sure you find out from the school:

- · What day the test will be held What time you should arrive
- · Where you should go on the day of the test.

Please remember, when working on the multiple-choice answer sheet

- There will be four separate tests. The approximate time
- for each test and the order in which they will be taken
- Reading Comprehension 45 minutes Mathematical Reasoning 40 minutes
- Abstract Reasoning 30 minutes
- There will be a short break between tests 2 and 3.

Candidates who arrive late for the first test will be admitted only at the discretion of the supervisor, and

You should bring:

The test timetable

are as follows:

- additional time will not be allowed. · two HB or B pencils for the multiple-choice tests
- a good quality eraser
- a pencil sharpener · two blue or black pens for the Written Expression test.

No other equipment will be needed. For example, you will not require a ruler, paper or calculator.

Writing your answers

You will be given a special answer sheet for the multiple-choice tests in Reading Comprehension, Mathematical Reasoning and Abstract Reasoning, and lined paper for the Written Expression.

For each question there are four small ovals labelled A, B, C and D on the multiple choice answer sheet. Use an HB or B pencil to mark clearly the oval of your choice.

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If you wish to change your answer, carefully rub out the first mark and then mark your new choice.

- Do not: · fold or tear the answer sheet
- make marks anywhere other than in the designated areas on the answer sheet
- use ink, ball-point pen or felt pen on any part of the answer sheet.

What are the tests like?

questions in this test.

The test items attempt to assess the following skills: analysis, comprehension, interpretation and reasoning. The answer to the question is clearly important as are the procedures by which you arrive at the answer.

1 Reading Comprehension

This test measures how well you can understand and interpret ideas in language. The test asks you to look at written and visual material and answer questions on it. The topics for the material may be drawn from subject areas such as English, Art, History, Geography and Social Studies, though no special knowledge in these areas is needed. All the information you need to answer the questions is printed on the paper, so if you do not know or fully understand something you may be able to work out what it means from the stimulus material. There will be approximately 40 multiple-choice



Part 1: Reading Comprehension

- This part measures how well students understand and interpret a range of texts, the topics of which are drawn from various subject areas, and may include diagrams, tables, charts or maps.
- No special knowledge in the subject areas is required.
- All the information needed to answer the questions is printed on the paper.
- There will be approximately 40 multiple choice questions in this part in 45 minutes.
- No Dictionary or Thesaurus is permitted.



Part 2: Mathematical Reasoning

- This part attempts to measure Mathematical ability.
- The material used for questions in this part is selected from a wide variety of sources and may differ from the standard curriculum materials.
- There will be approximately 30 multiple choice questions in this part in 40 minutes.
- There is a 20 minute break between parts 2 and 3 (for drinks / snacks).



Part 3: Abstract Reasoning

- This is a non-verbal part that measures abstract reasoning skills, including the capacity to make sense of complex situations, to draw meaning out of events, to perceive and think logically and clearly.
- This part will ask students to identify and complete various picture sequences and patterns.
- There will be approximately 30 multiple choice questions in this part in 30 minutes.

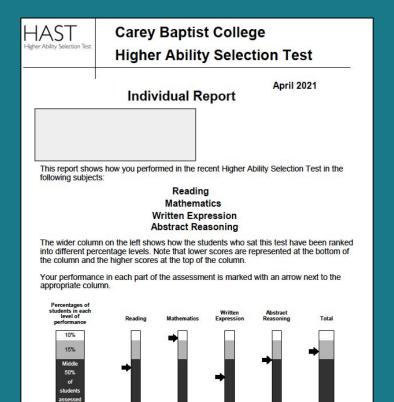


Part 4: Written Expression

- This part is concerned with student's ability to express their thoughts and communicate ideas in writing. The stimulus that students are given must be the basis of their writing.
- In assessing this part, markers consider the following:
 - Thought and Content
 - Structure and Organisation
 - Expression, Style and Mechanics
- This part is allocated 25 minutes.

HAST Test Results

- ACER produces a performance report showing where the candidate has performed against other students sitting that HAST Test (not just Carey).
- Carey produces a standardised report showing how the candidate has performed on each of the four parts of the HAST Test. This includes the percentile band and Stanine (derived from an ACER national norm reference sample).
- The total HSS score is the equivalent of the EDWA TSS score.
- At Carey, the HSS is added to the application points to determine the student's final ranking. This ranking is comprised of a score out of 480, made up of 400 (HAST) + 80 from the application. For Music candidates 50% comes from this score + 50% from the audition.



HIGHER ABILITY SELECTION TEST STANDARDISED REPORT 2022

Adam Applicant Candidate Number: 1004857

PART 1	Reading Comprehension	66
PART 2	Mathematical Reasoning	75
PART 3	Abstract Reasoning	80
PART 4	Written Expression	67

Total HSS	288	
Stanine	9	
Percentile	99	
ACER	High Distinction	

Stanines are derived from a national norm reference sample. Stanine 9 (Very High) corresponds to a percentile rank of 96 and above; Stanine 8 (High) 90-95; Stanine 7 (Above Average) 77-89; Stanine 6 (Average) 60-75; Stanine 5 (Average) 40-59, etc.

Please note that the HSS is not the sole factor, but a *contributing* factor in the selection of the GATE STEM, GATE Music Specialist and GATE Academic Excellence Scholarships OR an invitation to be part of any of the GATE programs.

Please Note:

15%

Remember that scores for these tests apply to a special candidate population of above average ability and not to the general population of students. These are difficult tests, and therefore, to achieve at any level in these tests indicates a good standard of achievement in the areas assessed.

Certificates (sent to all participant's schools)



Scholarships

- There is no finite number of Scholarships awarded and the number varies from year to year.
- Scholarship offers are made for the duration of enrolment (from Year 7-12). Continuation of the scholarship is subject to the student's positive conduct, academic progress and contribution/attendance in the program.
- First Round Scholarship Offers: 75% deduction of academic tuition fees for the remainder of student's school at Carey.
- Second Round Scholarship Offers: 50% deduction of academic tuition fees for the remainder of student's school at Carey.
- Second Round Offers are generally made after any declines to the Round 1 offers are received.

Scholarships

- Acceptance of the scholarship and place in the GATE program is required within 7 days of the offer being made, following:
 - An interview with the Principal takes place (this is required if an enrolment interview has not already occurred).
 - The enrolment forms are returned completed and signed.
 - The Terms and Conditions (these can be found in the GATE Handbook 2024 and the Carey website) are accepted.
 - The Enrolment Fee of \$250 (only required if a new enrolment) is paid.
- Please note: A GATE application is not the same as an enrolment. These are two separate processes.

Further GATE Offers

- Once the Scholarship Offers are made and the process is completed the remainder of the GATE places are offered to high performing <u>enrolled</u> (external and internal) Carey students.
- These places are allocated on the basis of School reports, NAPLAN results, and AGAT Testing. Generally there are:
 - 24 places in the Year 7 GATE Music Specialist program.
 - 20-22 places in the Year 7 GATE STEM program.
 - 20-22 places in the Year 7 Academic Excellence program.
- If there are vacancies, further places can be offered to enrolled students during Year 7, 8 and 9 on the basis of excellent performance.

Key Dates - Year 7 2025



Unsuccessful notifications will be sent on Monday 26 August with other GATE positions offered at the end of Term 3 / start of Term 4.

GATE STEM Program

Mr Gideon Choo | Director of STEM Year 7 GATE STEM Teacher

- GATE STEM Overview
- Study Tour
- Please direct any questions to gideon.choo@carey.wa.edu.au



GATE STEM Program Overview



The program features:

- Two sessions each week.
- Collaboration.
- Deep Learning.
- Engaging Programs.
- Additional STEM subjects (electives) include Aviation.
- After-school optional sessions for GATE activities / clubs, such as Robotics.

GATE STEM Program

The program includes a selection from:

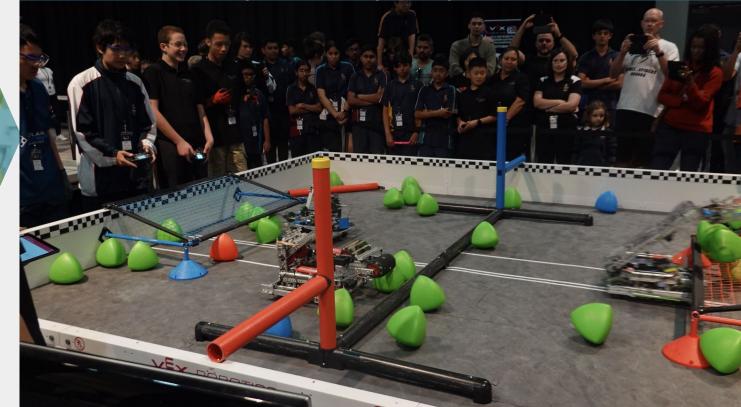
- Science Competitions
 - Junior Young Physicists Tournament
 - STEM Olympiad
 - Da Vinci Decathlon
- Technology and Engineering
 - VEX Robotics
 - Tournament of the Minds STEM Challenge
- Outreach
 - CHIJ St Nicholas School (Singapore)
 - Right Track Foundation
 - STEM Day for Primary School

VEX Robotics Worlds (Dallas, 2023) Carey represents Australia

SLAPS

WORLD CHAMPIONSHIP

VEX Robotics State Finals (Oct 2023) Hosted by Carey Two Carey teams qualify for Nationals



Owen represents Australia (Online Young Physicists Tournament 2023)



Owen Yandell is representing Australia in August. Photograph - Richard Polden.

Owen takes on the world

By Chris Fowler

Early mornings and study over holidays and weekends has paid off for a Carey Baptist College student, who is one of five selected from across the nation to represent Australia in an international physics tournament in August.

Owen Yandell made the team after an outstanding performance at the International Young Physicist's Tournament Australia Challenge (IYPT) in March, and will head to Brisbane to compete against up to 11 other national teams on August 2.

The Year 12 student will be joined by college director of STEM Gideon Choo, whom he said fostered his passion for physics. "I am grateful to have been supported by Mr Choo who has helped me to prepare," he said. "He is not only a great teacher, but has also been my mentor throughout the IYPT.

"Preparation has required working over the school holidays, many early mornings and weekends; conducting experiments and analysing data. "I am very pleased to have

reached this point and to have the opportunity to compete against some of my international peers."

Owen said he looked forward to the competition.

Taking place over four days, each team of five will pit their brains against five physics problems, presenting a report on each while tackling debate from

opposition teams.

"The most challenging thing in preparation for this competition is just the random problems that arise along the way, like a faulty wire breaking the circuit." Owen said.

"I most look forward to meeting the other members of the national team in-person and finalising our presentations ahead of the competition together."

Looking beyond Brisbane, Owen said he would continue to explore the world of physics when he enters university life, with plans to complete double degree in mechanical engineering and physics.

"Physics is the study of the entire universe; the depth and breadth of it makes it so interesting and engaging," he said. Junior Young Physicists Tournament, 2nd Wellington, NZ (2023)



Da Vinci Decathlon Year 9, UWA (Ideation 2nd, Codebreaking 3rd)



Tournament of Minds

2nd in WA out of 10









GATE STEM Program

Developing Industry Connections

- Keeping up to date with cutting edge technologies.
- Providing industry experiences.
- Expanding student knowledge of STEM careers.
- Curtin University and Markforged manufacturing + others.





GATE STEM Study Tour (Year 9/10) Singapore 2025

Takes place every two years

Proposed 2025 Trip (based on 2023 trip): Term 2 holidays – July 2025 (8 days, 7 nights)

Itinerary (highlights likely to include):

- Science Centre Singapore
- Singapore Night Zoo Safari
- ArtScience Museum
- School Visit
- Hiverlab
- Fusionworld
- Universal Studios
- Sentosa Island Aquarium



GATE Academic Excellence Program

Mr Nick Turner | Academic Excellence Coordinator

- GATE Academic Excellence Overview
- Please direct questions to nick.turner@carey.wa.edu.au





Academic Excellence – Purpose

- To develop high-order critical thinking, analytical reasoning, teamwork, research and creative writing skills that build upon those established.
- To complement student's progress in English and Humanities Extension courses.
- To provide students with usable content and skills to help them to thrive in the classroom.
- To set the students up for success in the areas of English, Humanities, the Arts and in their future careers.



Course Structure

- 2 sessions each week (changed from 2023; both sessions occur within the timetable, in Homework session times).
- After-school optional sessions for GATE activities / clubs, such as Debating.
- The Year 7 course primarily focuses around four units that correspond with the four terms:
 - Multidisciplinary DaVinci Decathlon (diagnostic)
 - Debate and oration (Debate Tournament)
 - Writing, illustration and publishing (Book in a Day)
 - Commerce and entrepreneurial capabilities (StartUp)

Multidisciplinary Da Vinci Decathlon



- Incorporate choice and preference into the challenges of the Da Vinci Decathlon
 - Learning and support across the AE Decathlon disciplines:
 - Art and Poetry
 - Cartography
 - English
 - Ideation (real-world problem solving)
 - Creative Producers (dramatic creation)
 - Legacy (history)



Debating and Persuasive Writing

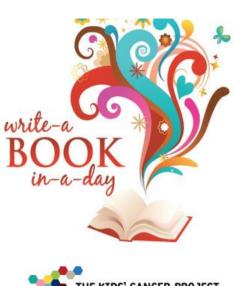
- Learning the structures and processes of formal debating.
- Learning how to interpret debate topics and form responses using methodical research and rhetorical devices.
 - Links to English and HASS class assessments.
- Engage in a series of mock debates which will culminate in a debate night.
- Parents and caregivers will be invited to attend.





Creative Writing and Publishing

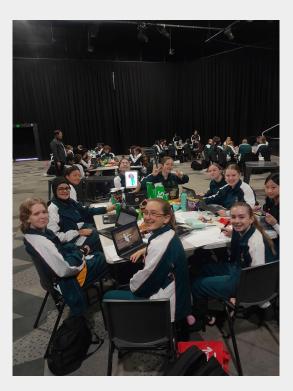
- Students learn how to enrich their creative writing, develop higher quality texts, and interpret quality pieces of writing.
 - Students learn from some published West Australian authors and illustrators.
 These have included:
 - Barry Jonsberg
 - Dianne Wolfer
 - Michael Speechley
- Students participate in the *Write a Book in a Day* competition.







Year 7 - 10 GATE Academic Excellence Students raised **\$7,700** for *The Kids' Cancer Project* in 2023 and 1 team won 2nd in the State



Commerce and Entrepreneurship - StartUp

- Students expand their understanding of market conditions, and develop insight into the forces of Demand and Supply.
- Students work in groups to establish a small StartUp modelled on the Shark Tank, and develop a business plan including:
- Marketing strategies
- Cost breakdowns
- A prototype
- A presentation



GATE Music Specialist Program

Mr Justin Florisson | Head of Music

- GATE Music Program Overview
- Music Audition Information
- Please direct questions to *jflorisson@carey.wa.edu.au*





GATE Specialist Music Overview

• Our music program has three parts:

Tuition

Ensembles

Classroom



- Middle school students study the fundamentals of music.
- Senior school students choose from Cert III and ATAR.

GATE Specialist Music Purpose

- Rigour
- Meaning
- Fun
- Community



GATE Specialist Program







GATE Music Specialist Audition

Each candidate is required to:

- 1. Present two contrasting pieces of the candidates own choice.
- 2. Perform unprepared Sight-reading.
- 3. Undertake an Aural test.
- 4. Participate in a brief interview with the audition panel.

Applicants may nominate a second instrument for their second contrasting piece. This is optional, but encouraged, as it does demonstrate versatility. Voice is considered an instrument.

Shortlisted applicants are welcome to provide their own accompanist at their expense. Students should bring:

- Instrument(s)
- Music
- Backing track, if required





Further Information

- College Tours are run regularly throughout the term.
- There are evening tours from 5.00-6:30pm, and morning tours from 9:30-11.00am.
- Tours can be booked for **Primary**, **Secondary or a joint Primary / Secondary Tour**.
- These can be booked through the Enrolments Officer, at *h.enrolments@carey.wa.edu.au*.
- HAST sample questions and 34 Frequently Asked Questions on the GATE Programs and Process are found in the **Carey 2025 GATE Handbook**, which is available on the Carey website or from *curriculum@carey.wa.edu.au*.

Carey Baptist College Harrisdale

Thank you carey.wa.edu.au