



**Carey**  
Baptist  
College  
Harrisdale

# GATE Handbook 2024

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# Introduction

Established in 1998, Carey Baptist College has grown into a leading Christian education provider in the south-east corridor of Perth. Carey's reputation reflects a commitment to outstanding academic achievement, a holistic education of students, positive pastoral care, and a rich diversity of co-curricular activities, including service learning.

Learning takes place within a faith-based values system that encourages students to become independent, creative and flexible. The Secondary program features:

- A tradition of graduating exceptional young people of character and capacity.
- A wide selection of ATAR and Vocational pathways.
- Highly respected Arts and Music programs.
- A safe, rigorous and engaging learning community of over 850 students.
- GATE, STEM and Aviation programs.
- Year 7 GATE Scholarships in STEM, Music Specialist and Academic Excellence.

Entrance to the GATE program and scholarship is a selective process based on academic merit. Selection is highly competitive and places are offered on the basis of each student's application and performance. Applicants must demonstrate ability through an academic entrance test and a music audition (for music applicants).

There is no cost to applicants involved for the application, test and placement. Students applying for Year 7 in 2024 should be in Year 6 by the time of testing. Applications open when students are in Year 5 and while a Year 5 report is required for application, this can be sent in later once available.

## Why does Carey offer GATE?

Carey is deeply committed to providing access to exceptional educational outcomes to all of our students. All students at the College will benefit from these programs through increased College cooperation with industry and tertiary sectors and the addition and retention of outstanding learners.

GATE provides opportunities for exceptionally gifted and talented students to contribute to the academic life of the College.

Carey has outstanding teachers and teaching facilities with innovative teaching programs that help it create opportunities for all.

The program assists gifted students to reach their potential through integrated and academically rigorous courses that emphasise enrichment, challenge and connection.

The GATE programs extend qualifying students significantly beyond the classroom by providing partnership access to both the tertiary sector and industry.

## Aims of the GATE Program

- Engage, stimulate and connect students.
- Challenge and extend critical and creative thinking.
- Build problem solving capabilities for the 21st Century.
- Increase self-esteem, independent learning, and a sense of accomplishment.
- Encourage a love of learning and a desire to make a difference to the global community.
- Develop skills in collaboration, communication, organisation, innovation, leadership, teamwork and entrepreneurship.
- Celebrate academic creativity, curiosity, the pursuit of excellence and achievement.
- Provide students with opportunities to be involved in: challenging competitions; leadership programs; community service; university extension programs; and interstate and overseas study tours.

Research informs us that gifted students may require different ways of learning for them to reach their potential. That is, they need to be catered for differently (Gagne, 2007). Carey defines gifted and talented as:

**Gifted:** A child has the potential for high ability in a certain area. A student may be gifted in more than one area, such as literacy, numeracy, sport, the arts or more.

**Talented:** A child can demonstrate outstanding performance or achievement.

The GATE program at Carey aims to provide gifted and talented students with rigorous, relevant and challenging learning opportunities aligned with their individual learning needs, strengths, interests and goals. The GATE program is additional to extension classes and is designed to provide students with a stimulating and challenging learning environment to cater for their academic and developmental needs.

Teachers work with students to foster advanced analytical, critical and creative thinking skills. Students within the program follow a curriculum that is differentiated to best support individual learning needs and accelerate learning by extending their skills with advanced and in-depth study.

## Scholarships Offered in 2023

Applications were received from students in over 50 schools.

Congratulations to the recipients of the 2023 Carey GATE Scholarships, who came from the following schools:

- Caladenia Primary School
- Campbell Primary School
- Carey Baptist College Harrisdale
- Excelsior Primary School
- Harrisdale Primary School
- Providence Christian College
- Ranford Primary School

# 2024 Program Timeline

The application, testing and placement processes for the 2024 programs commence with applications opening in October 2022. Placements are generally finalised by Term 3 2023 for commencement in Year 7 2024.

**Applications close 4pm Thursday 23 March 2023.**

<b>Applications Open</b>	Mon 17 Oct 2022
<b>Information Session</b>	Thurs 16 Feb 2023   5pm
<b>Applications Close</b>	Thurs 23 Mar 2023   4pm
<b>Test Invitations Emailed</b>	Mon 3 April (week commencing)
<b>Music Audition Invitations Emailed</b>	Mon 3 April (week commencing)
<b>HAST Test Date</b>	Sat 6 May   8:45am-12:10pm
<b>Music Audition Date</b>	Sat 13 May   8:30am-5:00pm
<b>Round 1 Offers</b>	Mon 12 June (week commencing)
<b>Round 2 Offers</b>	Mon 17 July (week commencing)
<b>Unsuccessful notifications emailed</b>	Mon 21 Aug (week commencing)

## Carey GATE Programs

There are three GATE programs available at Carey:

1. Science, Technology, Engineering and Mathematics (STEM)
2. Music Specialist
3. Academic Excellence

There are two sessions of STEM and Music Specialist per week. STEM occurs during the two Homework sessions, while Music Specialist occurs in the Music Elective and includes an after-hours session. The Academic Excellence class meets in one of the Homework sessions and includes a joint Year 7 and 8 after-hours session. All programs are reported on in Semester reports.

### STEM Program

The STEM Program incorporates 21st Century learning strategies where students are encouraged to excel in their areas of academic talent and develop a love of learning.

STEM skills are crucial to innovation and development in our contemporary technological knowledge-based and competitive global economy.

The STEM program integrates Science, Technology, Engineering and Mathematics (STEM) in investigating real world design problems. This engages students in imaginative and collaborative reasoning with a focus on inquiry, application, analysis and evaluation.

Students are well prepared to select ATAR Physics, ATAR Chemistry, ATAR Maths Methods and/or ATAR Maths Specialist as part of their Year 11 and 12 course.

### Music Specialist Program

In the Music Specialist Program, students are encouraged to learn through creation, performance and reflection. They study all genres of music, including Contemporary Popular Music, Western Art/Classical, Jazz and Musical Theatre. Carey has a distinguished history in delivery excellence in Music education, with graduates going on to further studies and forging careers as music performers and educators, both nationally and internationally.

The minimum level of musical standard expected for applicants is AMEB Grade 2 or similar. It is not necessary that a formal qualification has been attained to apply for this program, but it is an advantage. Music Specialist students can select ATAR Music in Year 11 and 12, and use this as one of their University entrance subjects.

### Academic Excellence Program

The Academic Excellence Program provides gifted and talented English, Humanities and Arts students with a program that aims to integrate critical thinking, creative communication, persuasion, leadership and entrepreneurship in real world contexts.

Academic Excellence engages students in a range of activities which will enhance their research, writing, oral, analytical and reasoning skills. It is aimed at equipping students to successfully contribute to the rapidly changing and increasingly global society in which they live. Students in the Year 7 and 8 Academic Excellence program collaborate together in a range of community projects, enrichment activities and competitions.

Students can also elect to participate in STEM electives in Computing and Aviation.



# How to Apply

Parents can apply online at [carey.wa.edu.au/scholarships](https://carey.wa.edu.au/scholarships). Alternatively, hard copy application forms are available to collect from Curriculum Administration (Building J at Carey Harrisdale). Applicants should ensure that the application form includes all the required documentation.

It is important to check that an acknowledgement of the receipt of the application from the College has been received. If no acknowledgement is received, it is very likely that the application has not arrived. In this event, it is important to resend the application (prior to the close of the application deadline) and get in touch with the Curriculum Office.

All communication from the College is sent via email. Parents are responsible for keeping their contact information current and keeping track of the timeline so they can follow up when they believe correspondence should have been received.

As with all correspondence, parents should regularly check their Spam/Junk folders. Carey accepts no liability for missing or misplaced correspondence resulting in missed test opportunities.

## Application Guidelines

Points are awarded based on the evidence presented which determines which students are invited to sit the test. Application points are also added to the HAST Test results to rank the students and offer the GATE positions.

Music candidates are ranked by adding application points to HAST scores and the Music Audition results.

All parents need to supply the following (including current Carey students):

- Most recent (Year 5) end of year report (include a copy).
- Year 5 NAPLAN results (include a copy).
- Recent certificates and awards won by the student (include copies).
- Other interests/abilities the applicant displays and to what level (or references).

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 Specialist.
- A recommendation from the Music teacher, especially if applying for GATE Music Specialist.
- Information regarding any disability (if applicable).
- Evidence of participation in extension, PEAC or STEM programs (if applicable).

## Application Details

- ALL applicants are required to sit the HAST Test, regardless of the program they are applying for. Students who have sat the Education Department ASET should send in their results when they receive them in May, as these will be taken into consideration.
- Invitations to sit the HAST Selection Test and Music Specialist Auditions will be made from the applications received. These are emailed to parents on Monday 3 April (week commencing). Unsuccessful applicants are also emailed.
- GATE program preferences must be numbered by placing a 1, 2 or 3 next to each program.
- Applications may be made for all or some of the GATE programs, but students can only be awarded one of these.
- Up-to-date and accurate information must be included in the application.
- All applications will be acknowledged.
- Applicants choosing Music as one of their preferences must nominate one or two musical instruments that they currently play and which they will be invited to audition on.
- Auditions for Music Applicants will take place on the Saturday following the academic test. Applicants will be contacted with the times for their audition.
- All applicants will be considered, even if they are unable to sit the HAST test.

## Do you have any other questions about the Application Form or Process?

Please see our Frequently Asked Questions section in this handbook.

## Contact

### Mr R Stirling | Assistant Principal – Curriculum; GATE Coordinator

[rstirling@carey.wa.edu.au](mailto:rstirling@carey.wa.edu.au)

Enquiries related to: Overall GATE enquiries

### Mr D Braithwaite | Head of Science

[dbraithwaite@carey.wa.edu.au](mailto:dbraithwaite@carey.wa.edu.au)

Enquiries related to: GATE STEM Program

### Mr G Choo | Director of STEM

[gchoo@carey.wa.edu.au](mailto:gchoo@carey.wa.edu.au)

Enquiries related to: Year 7 GATE STEM Program; GATE STEM Study Tour

### Mr B Thompson | Head of Music

[bthompson@carey.wa.edu.au](mailto:bthompson@carey.wa.edu.au)

Enquiries related to: GATE Music Specialist Program

### Mr N Turner | Year 7 Academic Excellence Teacher

[nturner@carey.wa.edu.au](mailto:nturner@carey.wa.edu.au)

Enquiries related to: GATE Academic Excellence Program

### Mrs M Jury | Curriculum Administrator

[curriculum@carey.wa.edu.au](mailto:curriculum@carey.wa.edu.au)

Enquiries related to: Application Forms

# HAST Selection Test

HAST stands for the Higher Ability Selection Test. It is an ability test used by many secondary schools to identify academically gifted students for participation in accelerated learning and enhancement programs. Unlike school-based assessments and NAPLAN, the HAST does not assess a student's acquired knowledge and is largely preparation-neutral.

The HAST is similar to the ASET used by the Education Department (both are produced by the Australian Council of Educational Research). Sample questions are included in the HAST Sample Question Booklet available from ACER.

The HAST (like the ASET) is a compulsory part of selection for all of the GATE programs. The HAST delivers rigorous tests in four parts: reading comprehension, mathematical reasoning, abstract reasoning and written expression.

The HAST is designed to measure innate ability and academic potential unlike curriculum-based tests. The test material is presented in a wide range of contexts and includes some items that are highly verbal, some that require the ability to perceive concepts at an abstract level, others that require the ability to synthesise, extrapolate or make inferences and some that apply logical and strategic thinking to solve a problem. Some sample questions are included on our website.

## Test Details

Saturday 6 May 2023 | Commencing at 8:45am  
Building J, Carey Baptist College Harrisdale  
51 Wright Road, Harrisdale.  
*Please park in the main car park, using Entrance 1 (off Wright Rd).*

The HAST Test will be conducted in five classrooms, with the number of students per room strictly limited. Building J is directly opposite the main carpark and signage will direct parents and students to the venue. Please arrive at the campus at 8:30am. Students will enter and exit Building J from three separate entries, and their seating plan will be posted on a board outside of Building J from 8:00am. Timber Cafe onsite is open from 7:00am to 2:00pm.

Candidates should bring:

- 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.
- A drink and a snack for the break between Parts 2 and 3.

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

If a student is unable to sit the HAST due to sickness or a period of quarantine, a contingency plan will be put in place. If this occurs, please contact Mrs Jury at curriculum@carey.wa.edu.au by 9am Friday 5 May.

An email will be sent in the week prior to the HAST and Music Audition, asking parents to confirm that their child will be attending the test.

## Format of the HAST

8:45am	Students enter
9:00-9:45am	Part 1: Reading Comprehension (45 mins)
9:50-10:30am	Part 2: Mathematical Reasoning (40 mins)
10:35-10:55am	Break (20 mins)
11:00-11:30am	Part 3: Abstract Reasoning (30 mins)
11:40-12:05pm	Part 4: Written Expression (25 mins)
12:10pm	Students to be collected

### Part 1: Reading Comprehension

This section of the test measures how well students understand and interpret a range of texts. The topics are drawn from various subject areas, and may include diagrams, tables, charts or maps.

No special knowledge in the subject area is required. All the information needed to answer the questions is printed on the paper. No Dictionary or Thesaurus is permitted.

This section includes approximately 40 multiple choice questions.

### Part 2: Mathematical Reasoning

This section of the test attempts to measure Mathematical ability. The material used for questions in this section is selected from a wide variety of sources and may differ from the standard curriculum materials.

This section includes approximately 30 multiple choice questions.

### Part 3: Abstract Reasoning

This is a non-verbal section of the test that measures abstract reasoning skills, including the capacity to make sense of complex situations, to draw meaning out of events, and to perceive and think clearly.

This section includes approximately 30 multiple choice questions.

### Part 4: Written Expression

This section is concerned with student's ability to express their thoughts in discursive writing. The stimulus that students are given must be the basis of their writing.

In assessing this part, markers consider the following issues:

- Thought and content.
- Structure and organisation.
- Expression, style and mechanics.

**Please see the HAST Information Bulletin in the back of this handbook for more information.**

# HSS Report

In the Education Department system, the Total Standard Score (TSS) is sent out to parents to inform them of their child's scores in the ASET.

Carey produces a HAST Standardised Score (HSS) Report to give similar feedback. The score on each part is standardised out of 100, with the total HSS out of 400. This is calculated in the same way as the TSS.

Stanines are derived from an ACER national norm reference sample.

Stanine 9 (Very High): Percentile rank of 96 and above.  
Stanine 8 (High): Percentile rank of 90-95.  
Stanine 7 (Above Average): Percentile rank of 77-89.  
Stanine 6 (Average): Percentile rank of 60-75.  
Stanine 5 (Below Average): Percentile rank of 40-59.  
etc.

Please know that the HSS is not the sole factor but is a contributing factor in the selection of the Carey GATE scholarships and programs.

**A HSS Report is produced and includes the following information:**

Applicant Name		
Candidate Number: 1234567		
PART 1	Reading Comprehension	66
PART 2	Mathematical Reasoning	75
PART 3	Abstract Reasoning	80
PART 4	Written Expression	67
<b>Total HSS</b>		<b>288</b>
<b>Stanine</b>		<b>9</b>
<b>Percentile</b>		<b>99</b>
<b>ACER</b>		<b>High Distinction</b>

## Music Specialist Audition

### Audition Details

Saturday 13 May 2023 | Between 8:30am-5:00pm  
Building M, Carey Baptist College Harrisdale  
51 Wright Road, Harrisdale.  
*Please park in the main car park, using Entrance 1 (off Wright Rd).*

The Music Audition will be conducted in the Music Room (MU 6), which is on the first floor of Building M. Please enter the building through the south-western foyer (next to the main carpark) and walk up the stairs.

Signage will direct parents and students to the exam room. A lift is available for those with heavy instruments.

Candidates will be emailed a time for their audition in the week commencing Monday 3 April. Candidates should arrive 30 minutes prior to their audition time and be prepared for their audition time.

There are warm up rooms provided for students and a waiting room available for parents. Timber Cafe is also open onsite from 7am to 2:00pm if parents would prefer to wait there.

If for any reason candidates are unable to make the scheduled audition time, they should contact the Music Administrator on (08) 9394 9142. Please note that auditions cannot be rescheduled.

## Scholarships

**First Round Offers:** 75% deduction of academic tuition fees for the remainder of their schooling at Carey.

**Second Round Offers:** 50% deduction of academic tuition fees for the remainder of their schooling at Carey.

Round 1 Scholarships to the value of 75% deduction of academic tuition fees, will be awarded to the successful candidates in a first round of offers. Round 1 Offers will be emailed in the week commencing Monday 12 June.

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 (this is only required if an enrolment interview has not already taken place);
- The return of the completed and signed enrolment documents;
- Acceptance of the Terms and Conditions;
- Payment of the enrolment fee (this is only required if a new enrolment).

Successful Round 1 candidates will be invited to make an appointment for an interview with the Principal commencing Wednesday 14 June. If there are vacancies in the scholarship program, Round 2 offers will occur, with scholarships awarded to the value of 50% deduction of academic tuition fees. Successful Round 2 candidates will be informed on Monday 17 July and invited to make an appointment for an interview with the Principal from Wednesday 19 July.

The continuation of the scholarship depends on the student's positive conduct and academic progress (see Terms and Conditions and the Frequently Asked Question section in this handbook).

# Features of the Year 7 Program

STEM scholarship recipients will also participate in the Science and Mathematics Extension Programs. Both are based on the WA curriculum with added project-based and enrichment activities.

Students are encouraged to participate in a variety of competitions that complements their learning.

**Science Extension:** This course focuses on developing self-directed learning and decision-making, collaborative investigations and field trips to experience Science in action.

**Mathematics Extension:** This program has a greater emphasis on problem-solving and mathematical reasoning. It utilises enrichment activities to extend the students.

Academic Excellence scholarship recipients will participate in the English and Humanities Extension Programs. Both are based on the WA curriculum with added project-based and enrichment activities.

Students are encouraged to participate in a variety of competitions that complements their learning.

**English Extension:** This course focuses on reading, comprehension and more complex writing tasks, emphasising collaboration and extending students' abilities to work creatively and develop critical thinking skills.

**Humanities Extension:** Students will have the opportunity to develop their research, analytical reasoning and communication skills within this program.

As part of the Year 7 program, GATE students are also able to participate in a range of other extension activities:

**Music:** Students can choose Music and be selected to participate in Specialist Music. Carey offers an extensive co-curricular ensemble program, including Contemporary, Jazz and Western Art bands, a choir and vocal ensembles.

**Extension Classes:** GATE STEM students will also participate in the Extension classes in English and Humanities. Academic Excellence students will also participate in the Extension classes in Science and Mathematics.

**Education Perfect:** This is an online platform used in English, Science and Languages.

**Languages:** Students choose to study ONE of Indonesian, Japanese or Mandarin.

**Year 7 Electives:** Students can choose from different Technology subjects ranging from Food and Nutrition to Coding. In the Arts, students will experience both Visual and Media Arts, and they can choose between the Performing Arts of Dance, Drama or Music.

**STEM Electives:** Year 7 STEM electives are available to all students. These are Coding and Aviation, which incorporate design thinking and project-based learning.

**Extra-Curricular Program:** Carey offers a range of extra-curricular activities, including participation in interschool sports competitions and carnivals; Specialist Basketball and Soccer in Year 9 and 10; Carey Jewels Cheer and Pom; and College Musical / Drama productions.

**GATE Music Specialist:** Students in the STEM and Academic Excellence programs may also be selected for the Music Specialist program, as this occurs at a different time on the timetable.



# GATE STEM Program

STEM complements traditional subjects to prepare students for the modern employment landscape changed by globalisation and digital disruption.

Carey's GATE STEM Program draws on students' interests and knowledge, and provides the opportunity for students to develop 'soft skills' such as collaboration, communications, organisation, and innovation, by working with different students in different contexts.

STEM has a focus on national and international STEM competitions broadening horizons and increasing motivation and rigour. The program is developing university and industry partnerships giving students access to cutting edge ideas and technology.

The STEM Program operates across multiple years allowing for the delivery of progressively complex STEM content, within a context of more authentic and engaging real-world projects.

STEM is delivered using a 21st Century approach which focuses on skills in project management, design and problem solving which will prepare students for the changing workforce of the future.

The STEM Program is taught by teachers with industry experience:

- Mr D. Braithwaite (Head of Science, Qualified Mechanical Engineer)
- Mr G. Choo (Director of STEM, Qualified Electrical and Computer Engineer).

Specific questions on the STEM program can be directed to either of these staff members.

## Features of the Program

The GATE STEM program comprises two weekly sessions each week. It includes:

**Challenge Series:** Students are issued a series of short challenges which are school, university or industry-based. They will be required to operate individually and in groups.

**STEM Competitions:** Depending on availability, students enter age-relevant competitions which may include engineering, energy, space or environmental challenges.

**Coding and Construction:** Students use coding, science and mathematics in the construction and operation of a given device or one they have constructed.

**Investigation:** Students are given a problem, or present a problem they would like to investigate. They collect evidence and offer a solution as a result. The aim is to follow the scientific investigative process and present their findings.

## Competitions and Challenges

The STEM program includes a selection from the following:

### Science Competitions

- Junior Young Physicist Tournament
- Science Talent Search
- Big Science Challenge
- Olympiads
- Science and Engineering Challenge

### Technology and Engineering

- Da Vinci Decathlon Challenges
- TOMs STEM Challenges
- VEX Robotics
- Solar Car Challenge
- F1 in schools
- Block Coding
- Python Coding

### Maths

- Maths Olympiads
- WA Maths Problem Solving Program, in collaboration with the Maths Association of WA.
- Year 7 and 8 Euler and Newton Programs taught in-house.
- AMT Maths Challenge.

### Junior Young Physicist Tournament

Students compete with Interstate and NZ schools. They study open-ended questions and engage in real-time debates.

Questions include:

Hovercraft – investigation of the time of flight of a home-made hovercraft.

Flying Colours – investigation of the airflow pattern around a fluttering flag.

Older students take part in the Australian Young Physicist Tournament. In 2021, Carey achieved second place nationally with one student chosen to be Captain of the Australian team.

## International Study Tour

### 2023 GATE STEM Study Tour to Singapore

Term 2 Holidays | 1 to 8 July 2023 (8 days, 7 nights)

Itinerary:

- Science Centre Singapore
- Singapore Art Science Museum
- NEWater Visitor Centre
- Hiverlab
- Fusionworld
- Singapore Night Zoo Safari
- Universal Studios
- Gardens by the Bay
- MediaCorp
- Sentosa Island Aquarium
- Visit to Singapore School (TBC).

## What the GATE STEM Students Say

*'The thing I enjoy most about GATE STEM is that we are in an environment where we can create and design. I love that we get to use knowledge of Science, Maths, Technology and Engineering to create solar cars, Science investigations and code for robots.'* - OR

*'In the GATE program we get freedom to be creative and use our imagination to our maximum potential. It prepares me for future challenges as it gives me an understanding of how to tackle problems and manage myself better.'* - SA

*'I like how you have to 'think outside the box' to get results. It motivates me and it is really fulfilling and satisfying when your idea comes to life. GATE exercises the creative side of my brain and encourages me to think big.'* - GL

*'I like that we have a variety of different options to choose from and pick the ones that interest us. It teaches you how to work in a team, compromise, leadership skills and knowledge in a variety of fields.'* - AN

*The GATE program is a fun and creative period where your mental abilities are enhanced. With amazing teachers and projects, the GATE program helps all students to strive for their best.'* - EB

*'I enjoyed the solar car and the vex robotics because they challenged me from a technical perspective and helped me learn new ways of doing things through trial and error.'* - AR



Carey Park Baptist College director of STEM Gideon Choo with physics students Geo Vazhalanickal, Lianna Paisley and Owen Yandell. Photograph — Aaron Van Rongen.

## Young physicists lead the way

BY LIAM DUCEY

Two Carey Baptist College students may headed to Romania after helping the college achieve second place in the International Young Physicists Tournament Australia Challenge held last week.

The team consisted of year 11 students Geo Vazhalanickal, Lianna Paisley and year 10 student Owen Yandell.

The tournament included schools from across Australia and was held online from December 6 to 7.

The Carey team was coached by Carey Baptist College director of STEM Gideon Choo who said the students per-

formed with distinction in the cutting-edge competition.

"In a process that closely resembles actual research, our team was given the problems a few months in advance," he said. "They trialed different experimental set-ups and closely analysed the data recorded."

"They then engaged in real-time debates with their opponents who had studied the same problem from their own perspective."

"Both the presenter and the opponent were judged by teachers based on their ability to critique the concepts involved. They were quite complex problems, as an example

one of the problems was an examination of an invisibility lens that makes objects invisible, and there are so many layers to that from a scientific point of view.

"There was a lot of time spent in the lab, lots of research and it is great for their future because it closely resembled the work you have to do at a university from an academic stand point."

Geo Vazhalanickal and Lianna Paisley have been invited to form part of the Australian National Training Squad for the International Young Physicists Tournament (IYPT) which will be held in Romania in 2022.

# GATE Music Specialist Program

The GATE Music Specialist program is aimed at students with demonstrated experience and a passion to further their Music studies. Music encourages greater self-discipline, self-esteem, teamwork, communication skills, time management, a growth mindset and enjoyment.

Carey's highly respected Music Department offers Music education in a variety of genres, including Contemporary Popular Music, Western Art/Classical, Jazz and Musical Theatre.

Music Specialist students are streamed into a Specialist group as part of their Performing Arts Music elective; and are required to attend an after school ensemble/class one day per week.

Music Specialist students may also be invited to participate in either the STEM or Academic Excellence classes.

The GATE Music Specialist pathway provides students with the opportunity to participate in the Music Specialist stream from Year 7 until the end of Year 10. In Year 11 and 12, students can continue with Music as an ATAR subject.

It is expected that students will:

- Attend weekly individual lessons (Carey or external tutors – paid by parents).
- Maintain a high level of achievement in their chosen field of music study.
- Select the classroom Music Specialist elective at least until the end of Year 10.
- Be a member of instrumental/vocal ensembles.
- Be fully supportive of, and contribute to, the musical life of the College.

Scholarship recipients will be reviewed annually.

## Features of the Program

Music Specialist students will experience a vast range of opportunities in the Music Program, combined with excellent facilities and highly credentialed teachers and tutors.

- Two sessions of Music per week in Year 7 and Year 8 (combining performance, theory, aural skills and music technology).
- Music Camp, Ensemble Concert, Anzac Day March, Recital nights, Music Tours, School Assemblies.
- Close links to WAAPA; UWA School of Music.
- Excellent facilities – Yamaha C6 Grand piano and Yamaha sound equipment.
- Music technology – Mac lab, Mini recording studio
- Practice rooms, small ensemble rooms.
- Nationally renowned music tutors.
- Performance opportunities.

Co-Curricular ensembles offered include a selection from the following: Concert Band, Contemporary Ensembles, Big Band, Intermediate Big Band, Choir, Vocal Ensemble, Praise and Worship Ensemble, Small Jazz Combo(s), Percussion Ensemble, Drum Corps, Brass Ensemble, Flute Choir and Musical Pit Orchestra. Please note that not all of these ensembles run every year.

## What the GATE Music Specialist Students Say

*'Music Specialist is an opportunity to have extra guidance and more times to play music at school. You can be a part of many bands and extra-curricular activities.'* - RB

*'GATE Music Specialist has taught me to be hard working and to seek improvement. Now I am eager to learn new things about Music. My dream is to do something music related in the future and having this knowledge will certainly help me.'* - AM

*'My favourite GATE activity is composing Music, and by composing music, it enables me to stretch myself and see how far I can go.'* - GH



# GATE Academic Excellence Program

The Academic Excellence Program provides opportunities for students to excel in an extra-curricular group context through a progression of varied and engaging activities. Students engage in a variety of competitions and challenges that will foster their teamwork skills, as well as their own critical thinking skills, through rewarding and enjoyable tasks that will extend them.

The program involves a withdrawal session for the Year 7 and Year 8 Academic Excellence students during one of the two Homework sessions.

Year 7 and 8 students will also join together after school once per week to work together as a combined group. This will provide a unique opportunity for older students to be working with younger ones to develop leadership, critical thinking and teamwork skills. This takes place on Monday afternoons from 3:30 to 4:30pm and commences in Week 2 of Term 1.

The tasks chosen in the program will:

- Build rapport between students and foster their critical thinking and rhetorical skills.
- Give students breadth and depth in their understanding of cross curriculum concepts.
- Give students experience in extracurricular challenges.
- Integrate English and Humanities skills in real world contexts and engage students in competitions that will enhance their research, analytical, writing and reasoning skills.



The 2023 program includes:

Term 1: Debating and Oratory Skills.

Term 2: Interschool Debating and Writing Workshops.

Term 3: 'Book in a Day' and an Introduction to Philosophy.

Term 4: 'Ethics Olympiad' and Cross-school Challenges.

## What the GATE Academic Excellence Students Say

*'Academic Excellence provides an amazing chance to develop your English, HASS and Arts skills. Debating helps you to become diplomatic and teaches you how to argue many points in an orderly and detailed fashion. The 'Write a Book in a Day' challenge has helped us write creatively under pressure and work as a team.'* - JM

*'In this program, we get to work codependently with each other and teach each other new things, perfect and form our debates together, which is sometimes challenging but really rewarding in the end. It has increased my confidence and opinions.'* - ST

*'The Academic Excellence program is not only teaching me how to research and collaborate with others, but also improving my confidence (especially in debating) and knowledge of what is happening in the world around me.'* - EB

*'This program helps nurture the academic talents that you are good at. It encourages you to take risks and undergo many experiences unique to the program.'* - RG

*'It helps me with my public speaking, critical thinking, persuasiveness and creativity.'* - LP



# Frequently Asked Questions

## Carey's GATE Program

### How does the Carey GATE program differ from Education Department schools?

There are a number of differences between the GATE programs in public schools and Carey's approach:

Carey's selection process involves a wide set of evidence to determine its ranking of applicants (including school reports and Year 5 NAPLAN). This contributes to the invitation to sit the HAST Test; and points from the Application are added to the HAST score to determine the Scholarship offers, rather than relying on the one test score. Only the strongest applicants are invited to sit the HAST test.

The HAST Test results and other evidence is weighted to determine which students are most suitable for each of the three programs. The Mathematical and Abstract Reasoning sections of the HAST Test are weighted more highly for the STEM program students; and the Reading Comprehension and Written Expression sections are weighted more highly for the Academic Excellence applicants. In Music Specialist, 50% of the final score comes from the HAST + Application, and 50% from the Audition.

There are three separate GATE specialist programs (STEM, Music Specialist and Academic Excellence) that are run in addition to the normal extension classes. In Science for example, the GATE students participate with the other Extension Science students studying the prescribed WA Curriculum (220 minutes), and are part of the specialist GATE STEM class (for an additional 110 minutes) as well.

This means they are not in the same exclusive group for all of their classes, but mix with a variety of other extension students. This is intended to minimise exclusivity and encourage GATE students to develop their 'soft skills' of collaboration, interpersonal, teamwork, creative thinking, communication, etc.

### Can my son/daughter be in more than one of Carey's Specialist GATE programs?

Yes, they can. As Music Specialist operates in a different place (Performing Arts line) on the timetable, these students can also be part of the STEM or Academic Excellence programs.

## The Application Process

### Do all the boxes on the application form need to be numbered, or can we just put a number next to one option, if that is all that is being applied for?

Applicants can place a 1, or a 1 and a 2, or a 1, 2, and 3 in the boxes if they want to apply for either one, two or all three of the programs. The most common application form received usually has a 1 and a 2 for two of the programs.

### Will my child be offered their second or third preference?

This depends on the number of applicants, their results and the number of positions in each program. They will be offered the highest preference they qualify for, based on their results.

### How do I know that my application has been submitted successfully?

All successfully lodged applications will receive an email confirmation.

### Are all applicants invited to sit the HAST Test?

No. Applicants are ranked on the basis of their applications. Points allocated are not limited to Report grades or NAPLAN results, but also include behaviour, effort and attitude, involvement in PEAC; plus any recent awards or certificates achieved (evidence must be supplied).

### Is there a GATE application fee required to be able to sit the HAST Test?

No. The College pays the fee to ACER for the HAST test and its administration of the results.

### Do I need to sit the Education Department GATE (ASET) test in order to apply for the Carey GATE (HAST) test?

No. However, it is good practice to sit a similar test (in terms of test literacy).

### If I have already sat the Education Department (ASET Test), do I also need to set the HAST Test?

Yes, everyone needs to sit the HAST Test, so that a fair ranking can take place.

### Are the ASET Test and HAST Test results comparable?

ASET reports submitted indicate similar marks are achieved in the HAST (both are ACER tests).

### Can I complete the application form online, but hand in my documents separately at the school?

Yes. All online material is printed off to compile a file for each student application.

### Will applying for the Carey GATE Scholarship assure a place for my child at Carey, regardless of the result?

No. They need to be successful in being offered a GATE Scholarship as a result of their HAST Test Results + Application. This is when they are offered a place in Year 7. An interview with the Principal and an acceptance of the Scholarship offer is also required within 7 days.

**If my child has already been interviewed and confirmed for a place in Year 7, does that exclude them for the Scholarship?**

No, all applicants are considered.

**If my child has already been interviewed and confirmed for a place in Year 7, does that favour them for a Scholarship?**

No. It comes down to the HAST Test Results and the Application, regardless of their school.

**Are Carey Year 6 students favoured over external students? Or vice versa?**

No. It comes down to the HAST Test Results and the Application, regardless of their school.

**If my child has already had an enrolment interview for a place at Carey, and they are offered a scholarship, do they need another interview with the Principal?**

A Principal's interview is required for those that haven't yet had a transition interview and a place confirmed. Parents with a confirmed place only need to submit the accept/decline form.

## The HAST

**If my child is unwell or unable to sit the exam on the day can they re-sit on another day?**

Please contact the Curriculum Office by 9am on Friday 5 May. There is a contingency in place if this is the case. If the student has flu-like symptoms, please keep them at home.

**Can I get a copy of my child's test to see how they performed?**

All test papers are shipped across the country and ACER ranks the candidates and provides us with the results. We do not have access to the test papers and answers.

**The Education Department provides a performance report showing the four section scores and a TSS (Total Standard Score). Can I get this from Carey as well?**

In the Education Department system, the Total Standard Score is the determinant of places offered in the main GATE program. At Carey, there are three different GATE programs, and there are different weightings allocated for each program, plus the points for applications are included. Carey will email the ACER Performance Report, showing comparative data (similar to NAPLAN), and a HSS (HAST Standardised Score) Report.

**Can I find out my child's ranking?**

No, this sort of detail is not provided as the rankings are different for each program.

**Although my child is really bright, they don't do as well on tests. Will this be taken into account?**

Yes it will. However, these GATE programs are academic selective programs. To get an invitation to sit the HAST Test, all the application evidence is used to determine the ranking. More than half the points allocated come from the Year 5 report and the NAPLAN results.

**If my child is not selected to sit the HAST test, or does not get offered one of the scholarship places, is there any possibility of still participating in one of the three GATE programs?**

Scholarship winners only form a minority of the places in the GATE programs. Additional (non-Scholarship) places are also offered to high achieving Carey students to join each of the three GATE classes. Invitations for these places are sent out during Term 3/4, on the basis of student's Year 6 reports; music auditions; strong performance in the HAST, or AGAT test on Orientation Day; or their talent or high achievement in a particular area. Additional places are also reserved for high achieving students in Year 7 and 8 who may:

- Have joined Year 6 or 7 after the initial application process.
- Have not chosen to participate in the selection process.
- Excel later in Year 6 or during Year 7 or 8.

**Will students sitting the HAST Test receive a Certificate?**

ALL students selected to sit the HAST Test receive a certificate. These are sent out to each school in mid-Term 3 to be presented to participating students.

- A Certificate of High Distinction is awarded to students achieving Stanine 9 (96th percentile and above);
- A Certificate of Distinction is awarded to students achieving Stanine 8 (90-95th percentile);
- A Certificate of Merit is awarded to students achieving Stanine 7 (77-89th percentile);
- A Certificate of Participation is sent to the other students selected to sit the HAST test.

### **If not successful in Round 1, can students still be offered a Round 2 Scholarship?**

The second round of offers commences after the responses for Round 1 have been received. An applicant not successful in Round 1 can be offered a Round 2 offer, if they are the next highest-ranked applicant. Once the two formal rounds of offers are complete by mid-Term 3, any remaining Round 2 places can be offered until the final date of 21 August.

### **What HAST Test score is needed to be offered a Scholarship?**

GATE Scholarship offers are made on a composite score, not just the HAST result. This is different for each of the three programs. As an approximate guide, a HAST standardised score of over 240 was needed to be considered for a Carey GATE Scholarship in 2023. This score has increased over the past three years as the process has become more competitive.

### **Do students have to reapply for the Scholarships each year?**

No; the scholarships carry over for each year the students are enrolled at Carey.

### **Can my child lose their Scholarship?**

Yes they can. Scholarships are reviewed annually and a continuation depends on a student's positive conduct, academic progress and their contribution/attendance in the program. In terms of positive conduct, students must retain their 'good standing'. GATE student's academic progress is determined by students achieving a 1.8 GPA (grade point average) in their Semester reports. This can be achieved by a B average in

Extension classes and GATE class. If students fall below this level, parents will be sent a letter of concern. This letter gives a minimum of a term's notice in order to give these students time to improve their academic results.

### **Music Specialist Program**

#### **If my child is applying for the GATE Music Scholarship, will they still need to sit the HAST Test?**

Yes. The mark they receive is a composite of the HAST Test and the Music Audition (50% for each part). This is used to offer the GATE Music Specialist places.

#### **Can my child apply for the GATE Music Scholarship with Singing (voice) as their instrument?**

Singing (voice) is an instrument and can be nominated.

#### **If my child selects GATE Music Specialist as one of their three choices, will they automatically get a Music Audition?**

Not necessarily. The GATE Committee looks at the student's experience, AMEB level and instrument played, and offers an audition on the basis of these. A minimum of AMEB Grade 2 (or similar) is recommended. Generally the first preference listed on the application is considered more highly than second and third preferences. It would be unusual for a student to be offered a Music audition if it was ranked as their third preference.



# Terms and Conditions

Please note that applications for the GATE Scholarships are only for Year 6 students in 2023 who are starting Year 7 in 2024.

1. To be eligible, the student applicant must be an Australian citizen, permanent resident of Australia or have a temporary visa that would qualify them for citizenship or permanent residency status in the future e.g. Visa 457. They must be enrolled as a full-time student. GATE scholarships are not available to overseas full-fee paying students or temporary visa holders.

2. The GATE scholarships are based on merit, and the College reserves the right not to offer a scholarship if the standard of the candidate does not warrant it doing so.

3. Late applications or amendments to the application will not be accepted.

4. Applicants who are successfully shortlisted will be invited to attend the HAST test, a music audition and interview. This does not guarantee the offer of a scholarship. The information on the application form, the student's ranking and the interview are strictly confidential.

5. The College will not enter into a dispute regarding the awarding of the GATE scholarships or invitation to sit the HAST test.

6. Recommended candidates who are not already confirmed to attend the College will be interviewed by the Principal (or delegate) and scholarship offers will be made in writing, subject to normal enrolment conditions.

7. Successful applicants are required to accept the offered place within 7 days of the offer being made. A non-refundable confirmation fee for external applicants of \$250 is payable to accept a scholarship at Carey.

8. Round 2 scholarships are offered in the event that not all scholarship places are filled in Round 1. All scholarships are provisionally awarded for the balance of the student's education at Carey Harrisdale. First-round scholarship offers will be a 75% deduction of the academic tuition fees. Second-round scholarship offers will be a 50% deduction of the academic tuition fees.

9. Scholarship offers cannot be deferred to future years nor are they transferable. Offers not accepted by the due date stated on the offer will be withdrawn.

10. While a student may apply for more than one type of scholarship, they can only hold one College scholarship at any given time. Any bursary already in place will be cancelled or renegotiated. Sibling discounts will still be applicable.

11. All candidates, both successful and unsuccessful, will be notified by email.

12. Scholarship winners consent to their names and photographs being used for publicity purposes.

13. Parents and students are informed that it is a condition of a GATE scholarship being awarded that the amount of the scholarship remains confidential between the family and the College.

14. Successful applicants and parents/guardians agree to actively support the College's mission, vision and values and uphold both the Student Code of Conduct and Parent Code of Conduct.

15. Recipients of GATE Scholarships are expected to maintain a high level of academic engagement, attendance and progress. Recipients of the GATE Music Scholarship are expected to study the Music Specialist elective until the end of Year 10, be a member of instrumental/vocal ensembles, and be fully supportive of, and contribute to, the musical life of the College.

16. The College will review all scholarships annually with respect to:

- Satisfactory compliance with payment of College fees and levies.
- The recipient maintaining academic and behavioural 'Good Standing'.
- The recipient maintaining an attendance rate of not less than 90% (unless medical certificates are obtained to cover the period of absences).
- Participation and service within the Carey Community.

17. All information collected will be treated in accordance with the National Privacy Principles (NPP) contained in the Privacy Act 1998 (Cth) and with the Carey Baptist College Limited Privacy policy.



# 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.

### The test timetable

There will be four separate tests. The approximate time for each test and the order in which they will be taken are as follows:

1	Reading Comprehension	45 minutes
2	Mathematical Reasoning	40 minutes
3	Abstract Reasoning	30 minutes
4	Written Expression	25 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 additional time will not be allowed.

### You should bring:

- 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.

Example (Answer 'B' selected)



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

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

#### 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?

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 questions in this test.

## 2 Mathematical Reasoning

This test attempts to measure mathematical ability, in contrast to a test of school achievement in mathematics. Consequently, the material used for the questions in this test is selected from a wide variety of sources, and may differ from standard school-based curriculum materials.

There will be approximately 30 multiple-choice questions in this test.

## 3 Abstract Reasoning

This is a non-verbal test that measures abstract reasoning skills, including the capacity to make sense of complex situations, to draw meaning out of events, to perceive and think clearly. The test will ask you to identify and complete various picture sequences and patterns.

There will be approximately 30 multiple-choice questions in this test.

## 4 Written Expression

This test is concerned with your ability to express your thoughts and feelings in writing.

In assessing written expression, markers consider the following issues:

### THOUGHT and CONTENT

- what is made of and developed from the task
- the kinds of thoughts and feelings offered in response to the task

### STRUCTURE and ORGANISATION

- the shape and form of the piece
- the sequence and cohesion of the piece

### EXPRESSION, STYLE and MECHANICS

- the effectiveness and appropriateness of the language
- the expressiveness and fluency of the language
- the control of the mechanics of English

The stimulus material that you are given must be the basis of your writing, and you will be penalised if you seem to be rehearsing a piece of writing that is not developed from the stimulus. You should respond to the stimulus in the way that is most interesting to you, and which best displays your ability to write and express yourself.

The stimulus may be a picture, a statement or a combination of the two. In general terms it might be said that the stimulus will allow candidates to: tell a real or imagined story; describe a situation, incident or scene; outline or explain something; and express a point of view or make an argument.

Here are some practice examples from each test.

## Reading Comprehension

### PASSAGE

This animal, being a stranger, appears to merit a particular description. The Wom-bat (or, as it is called by the natives of Port Jackson, the Womback) is a squat, thick, short-legged, and rather inactive quadruped, with great appearance of stumpy strength. Its figure and movements, if they do not exactly resemble those of the bear, at least strongly remind one of that animal. Its length, from the tip of the tail to the tip of the nose, is thirty-one inches. Its weight, by hand, is somewhat between twenty-five and thirty pounds ... The neck is thick and short, and greatly restrains the motions of the head, which according to a common expression, looks as if it were stuck upon the shoulders ...

The animal has not any claim to swiftness of foot, as most men could run it down. Its pace is hobbling, or shuffling, something like the awkward gait of a bear. In disposition it is mild and gentle; but it bites hard, and is furious, when provoked. Mr Bass chased one, and with his hands under the belly suddenly lifted him off the ground and laid him upon his back, along his arm, like a child. It made no noise, nor any effort to escape, not even a struggle. Its countenance was placid, and it seemed as contented as if it had been nursed by Mr Bass from its infancy.

Questions 1 – 3 refer to the passage.

- 1 The wombat described in this passage is
  - A heavy and lame
  - B ill-tempered and swift
  - C shy but alert
  - D slow but strong
- 2 The fact that the writer likens the wombat to a bear most probably suggests that he
  - A expected his readers to be familiar with a bear's appearance.
  - B thought the wombat belonged to the bear family.
  - C wanted his readers to know that the wombat was a large, vicious animal.
  - D believed the wombat's habits to be the same as a bear's.
- 3 The passage can be described best as
  - A a witty discussion.
  - B an informative account.
  - C a carefully planned argument.
  - D a dramatic narrative.

Now read the verse and answer Questions 4 and 5.

The peaceful and submissive wombat  
 Abhors the very thought of combat.  
 Shaped like a shaggy little pig,  
 His joy is but to dig and dig.  
 A ten foot tunnel is to him  
 The product of a moment's whim.  
 But when this impulse, urge or spasm  
 Is fanned into enthusiasm,  
 He'll burrow on for miles and miles  
 And miles of subterranean aisles.

Leon Gellert: from *The Wombat*

- 4 Which one of the following habits of the wombat is most strongly emphasised by the verse?
- A It digs tunnels in which to hide.
  - B It burrows with astonishing energy.
  - C It moves quickly but without purpose.
  - D It retreats underground the moment someone approaches.
- 5 The verse suggests that the wombat digs
- A eagerly and extensively.
  - B anxiously and senselessly.
  - C intelligently and carefully.
  - D impulsively and angrily.

**Answers**

1 D    2 A    3 B    4 B    5 A

**Mathematical Reasoning**

Questions 1 and 2 refer to the following information:

Here are some capital letters of the alphabet:

**F G L O P S W**

Some of the letters contain only curved lines.

Some of the letters contain only straight lines.

Some of the letters contain both curved and straight lines.

- 1 Which of the letters above contain(s) both curved and straight lines?
- A only P
  - B G and P only
  - C F, G and P only
  - D G, O, P and S only
- 2 Which of the letters contain either only straight lines or only curved lines, but not both straight and curved lines?
- A only L and O
  - B F, L and O only
  - C F, L, O, S and W only
  - D F, G, L, O, P and S only

- 3 The first diagram shows a number square completed according to a certain rule.

2	2	4
7	5	35
14	10	140

The partly completed number square is constructed according to the same rule.

3	8	
4		20
		*

The \* represents

- A 480 .
  - B 240 .
  - C 220 .
  - D 192 .
- 4 The temperature is shown at 6:00 a.m. It is rising 1° every thirty minutes. At this rate, it will reach 20° at



- A 7:15 a.m.
  - B 7:30 a.m.
  - C 7:45 a.m.
  - D 8:00 a.m.
- 5 Matt walks 30 metres East, then 70 metres South, then 50 metres West, then 50 metres North.



- He could return to his starting point by walking
- A 50 metres East, then 20 metres North.
  - B 20 metres East.
  - C 20 metres East, then 50 metres North.
  - D 20 metres East, then 20 metres North.
- 6 Fiona wants to tape a late-night movie. It begins at 23:20 p.m. and ends at 1:50 a.m. What is the shortest videotape she needs, measured in minutes?
- A 60 minutes
  - B 90 minutes
  - C 120 minutes
  - D 180 minutes

- 7 Five numbered cards were placed face down on a table so that the numbers could not be seen. Two of the numbers were even, three were odd. Three of the cards were picked up, and the sum of the numbers on them was an even number.

Of the two cards left on the table

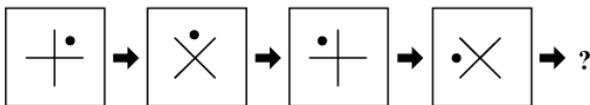
- A one must have had an odd number on it and one an even number.
- B both cards must have had even numbers on them.
- C both cards must have had odd numbers on them.
- D the numbers could have been even on both of them or odd on both of them.

**Answers**

1 B 2 C 3 A 4 C 5 D 6 D 7 A

**Abstract Reasoning**

In the following item, there are four shapes forming a sequence going from left to right. You are to choose from the alternatives (A, B, C and D), the one which would most logically and simply come next in the sequence.



- A
- B
- C
- D

**Answers**

In the sequence above, the dot rotates anticlockwise, and the cross alternates between two positions. So **D** is the answer. Alternatively, the whole pattern can be seen rotating 45° anticlockwise, again giving **D**.

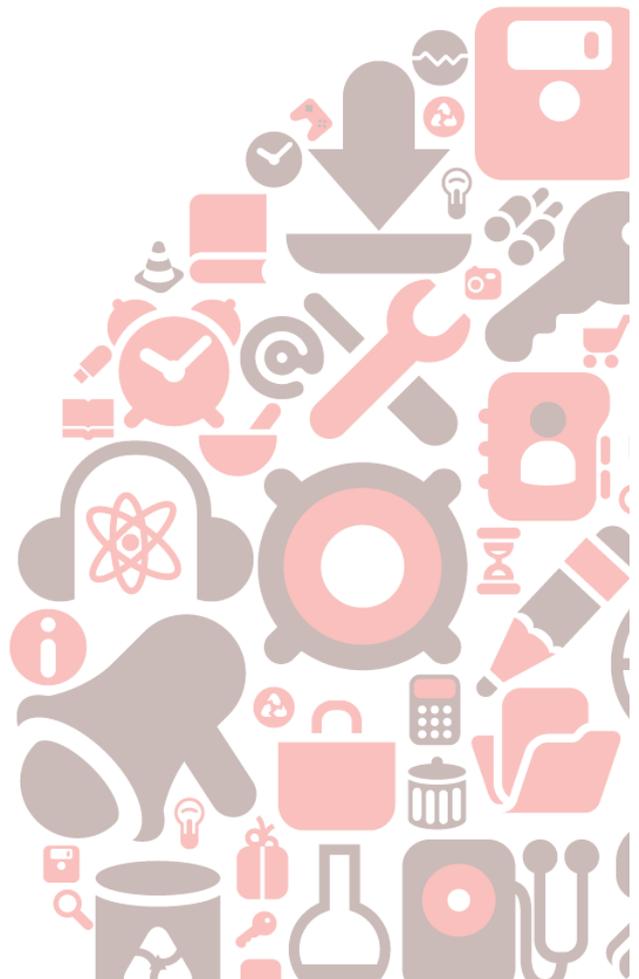
**Written Expression**

Use the following statement as the basis for a piece of writing. Your piece of writing will be judged on what you have to say, how well you organise what you have to say, and how clearly and effectively you express yourself.

*'Sticks and stones may break my bones but words will never hurt me.'*

**How can you do your best?**

- Listen carefully to verbal instructions.
- Read the instructions on the front cover of each test carefully.
- Read each test question carefully before you answer it.
- Do not rush. If you find one question too difficult do not spend a long time on it. Leave it out but be sure you place your next answer in its right oval. Each question is of equal value.
- If you cannot decide between two answers in the multiple-choice tests, mark the letter of the answer you think is most likely correct. You may have time to go back to that question but in the meantime you have done the best you can. **No marks will be deducted for incorrect answers.**
- Do not worry if you have left questions out and cannot finish the tests. Remember that the tests *are* difficult.





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