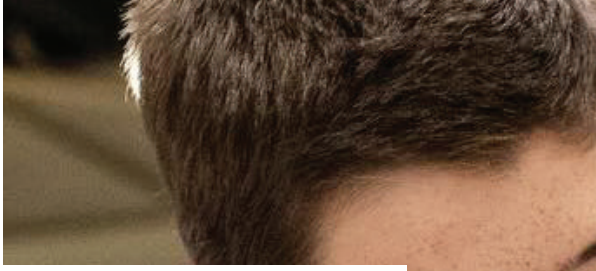

ST JOSEPH'S
NUDGEE
COLLEGE
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COLLEGE
ENRICHMENT & EXTENSION
Please direct all enquiries to: Ms Stephanie Spicer (Enrichment Program Leader) ssp@nudgee.qld.edu.au
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ST JOSEPH'S
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Our **Mission**

Enrichment and extension programs at St Joseph's Nudgee College cater for students who exhibit outstanding aptitude and talent in various learning areas. These programs are an integral part of our whole-school approach to teaching and learning and form part of the College's commitment to personalised learning.

The purpose of our enrichment and extension programs is to further develop the skills and abilities of our talented students by providing them with learning opportunities that challenge them. Our aim is to broaden the curriculum for such students in order for them to develop knowledge, application, thinking skills and attitudes at a level of complexity appropriate to their developmental stage.

These programs focus on deepening students' knowledge, enhancing their learning potential whilst maintaining their passion for learning.

Students who engage in our enrichment and extension programs will also be given the opportunity to work with peers who share similar interests, aspirations and abilities.

Enrichment and extension programs vary across the College but include:

- Year-long extension programs
- Semester programs
- Ability grouping in certain subjects
- Open ended assessment tasks
- Individual and team competitions

Students who have been identified as gifted and talented are invited to these programs; however, students who are high achieving are also involved. Student selection for these programs is based on academic results, diagnostic testing and teacher feedback.




NUDGEE
COLLEGE
da Vinci Decathlon
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Da Vinci Decathlon

St Joseph's Nudgee College is a proud previous host school (2019-2025) and current competing school within the Queensland da Vinci Decathlon which is a Knox Grammar School initiative.

WHAT IS DA VINCI DECATHLON?

The da Vinci Decathlon is an academic competition designed to challenge and stimulate the minds of school students. Students compete in teams of eight across 10 disciplines: Engineering, Mathematics, Code Breaking, Art and Poetry, Science, English, Ideation, Creative Producers, Cartography and Legacy.

The da Vinci Decathlon began in 2002 as an exciting offshoot of the very successful da Vinci Program for gifted and talented students at Knox. The Decathlon is designed to celebrate the academic gifts of Australian youth by providing a stimulating and challenging competition run in the spirit of an Olympic Decathlon.

GROWTH OF DECATHLON

What began as a local competition for Australian public and private schools has grown to be a national and global phenomenon, involving thousands of students from Years 5 to 11. The growth has been enormous, and interest so high, that chapter schools have been formed in Western Australia, Victoria, Queensland, South Australia and Tasmania. Local and state competitions choose representatives for the National da Vinci Decathlon Final held each year at Knox Grammar School in Sydney over several days of competition and cultural events.

WHO PARTICIPATES IN DA VINCI DECATHLON?

High achieving students in Years 5-11 who excel in a variety of subject areas are invited to participate to represent their year level. Students are selected based on their academic subject and diagnostic testing results to form a dynamic team of eight. Rigorous and collaborative team training commences several months prior to the competition to prepare all team members for the various disciplines.





da Vinci Decathlon EXCITE ENRICH CHALLENGE An initiative of Knox Grammar School

An Initiative of
Knox Grammar School,
Sydney, Australia

VIRILE AGITUR
KNOX
GRAMMAR
SCHOOL



Academic Allstars



WHAT IS 'ACADEMIC ALLSTARS'?

Academic Allstars is a new academic Enrichment program for Year 5 (Semester 2) and Year 6 students. Participating students are invited to extend on the core learning following the Future Problem Solving curriculum designed to consider real world global issues through: research, collaboration and structured thinking with an emphasis on critical and creative thinking, strong communication, ethical decision making; preparing students for an ever changing world. Each year there are 4 new and different topics - such topics include: Invasive Species, Space Exploration, Video Games and Surveillance. Invited students in Year 5 and Year 6 are required to receive either a Gold or Silver academic award at the conclusion of the previous year with excellent Learning Habit results to maintain a high and consistent learning environment for all participants.

Academic Allstars
NUDGEE COLLEGE





STEM Opportunities

WHAT IS STEM?

STEM is an interdisciplinary approach to learning and development that integrates Science, Technology, Engineering and Mathematics. It is a cohesive learning paradigm based on real-world applications and solutions.

WHY IS STEM IMPORTANT?

STEM is a philosophy of education that embraces innovative and contemporary focus areas. Learning is inquiry based which allows students to learn about real-world problems; developing highly valued lifelong skills for the workforce. In the move towards a knowledge-based economy, a workforce of scientifically and technologically literate people is required for an ever-changing world.



HOW WILL STEM IMPROVE STUDENT LEARNING?

STEM allows students to develop diverse skill sets and a passion for exploration and growth. STEM particularly embraces and enhances the 21st Century skills for learning, literacy and life skills.

WHAT ARE THE LEARNING BENEFITS OF STEM?

- Collaboration
- Communication
- Creativity
- Critical Analysis
- Digital literacy
- Entrepreneurship
- Flexibility
- Independent thinking
- Initiative
- Problem solving

STEM OPPORTUNITIES FOR HIGH ACHIEVING STUDENTS

Year 5 STEAM is an annual full day program here at St Joseph's Nudgee College where Year 5 students take part in 5 workshops for Science, Technology, Engineering, Arts and Mathematics. These engaging workshops are led by specialist teachers designed to mindfully engage students in a practical way for each of the discipline areas. It's a real highlight for our Year 5 students!

QUT STEM for Schools is part of QUT's STEM School Engagement program for students in Years 7-12. Field specialists create hands-on experiences that excite and enthuse students to pursue STEM studies and careers.

STEM Horizons High Achievers program for Years 6, 7 & 9 allows students to further enhance their knowledge and extend science learning beyond the classroom.

Students complete four days of specialist activities at a range of locations including the Brisbane Urban Environmental Education Centre, Princess Alexandra Hospital, Griffith University and the waters of Moreton Bay. Activities are designed to be 'hands on' and provide opportunities to actively engage in higher order thinking and problem solving. Links to authentic 'real world' science further enhances engagement and connection with possible future careers.

STEM Cup is an after-school STEM competition for students in Years 5-8 who compete over a period of seven weeks. Each week the teams score points for the challenges they complete with the top scoring teams earning a place at the STEM Cup Grand Final held at Griffith University. The challenges change weekly, allowing the competition to cover a broad range of topics across Science, Technology, Engineering and Mathematics. All challenges aim to link learning to real world applications, putting what the teams are doing into a larger perspective.

Middle Years
Extension Subjects



ENGLISH HONOURS

Currently available in Years 8 and 9, this course is designed for students who have demonstrated an exceptional ability in crafting and analysing literary texts and who are capable of working independently. Enrolment in this course is by invitation.

DELTA MATHEMATICS

The Delta Mathematics Program aims to challenge students by providing them with additional tasks and investigations. Students who select this course still complete the standard coursework. Enrolment in this course is by invitation. This program currently runs in Semester 2 for Year 8 students and the full year for students in Year 9.









Extension Programs

SENIOR GIFTED CONFERENCE

An opportunity for bright ambitious students who are interested in ideas. Students collaborate with like-minded youngsters who are keen to reach the ceiling of their ability and share ideas.

WRITE A BOOK IN A DAY

This is a fun, creative and collaborative competition for students in Years 5 to 12. Teams of up to ten have just twelve hours to write, edit and illustrate a book from start to finish with unique parameters. Digital editions of the completed stories are donated to children in hospitals across Australia and funds are raised by participating students for children suffering with cancer.

RELIGIOUS INSTITUTE DAY OF EXCELLENCE (YEARS 7 & 8)

Encourages the growth of gifted and talented students through the opportunity of a variety of masterclasses aimed to inspire and stimulate students. Hosted by Iona College and in conjunction with Ambrose Treacy College, Brigidine College, Churchie, Padua College, St Edmund's College, St James College, St Joseph's Gregory Terrace, St Laurence's College, St Patrick's College, St Rita's College and Stuartholme School.

ALL HALLOWS'/GREGORY TERRACE MATHEMATICS TOURNAMENT (YEARS 6 & 7)

The tournament aims to provide a series of mathematical problems with a high level of intellectual engagement. Students will have the opportunity to work cooperatively and creatively in groups of five to solve a series of problems.

CHURCHIE MATHS TEAM CHALLENGE (YEARS 7-12)

This competition aims to stimulate interest in mathematics, foster creative problem solving and provide a day of intellectual fun in a scholarly atmosphere.

AUSTRALIAN MATHEMATICS COMPETITION

The AMC is an engaging 30-problem competition that demonstrates the importance and relevance of mathematics in students' everyday lives; it is open to students in Years 5 to 12. Australia's leading educators and academics, with a deep understanding of our national curriculum standards, actively design the unique AMC problems each year.

SIMPSON PRIZE COMPETITION

The competition encourages participants to explore the significance of the Anzac experience and what it has meant for Australia. Eight winners are chosen from each State and Territory with the opportunity to visit overseas battlefields and participate in Anzac Day commemorations.

ST JOSEPH'S
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One Boy, Infinite Opportunities

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A Catholic School in the Edmund Rice Tradition

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Do *more*
Be *more*
Achieve *more*