

WeDo 2 Lego Robotics Years 1 2

Calling all creative thinkers and future innovators! Get ready to dive into an exciting robotics adventure with Lego Robotics WeDo 2!. Whether you love building, coding, or solving challenges, this is your chance to shine. You'll design and build your own amazing robots using LEGO pieces, motors, and sensors—yes just like real machines. Then step into the world of coding magic as you bring your robot to life and take it on thrilling missions

Create, code conquer! This is your time to unleash your imagination and tackle real life problems. Whether you're new to robotics or already a budding engineer this adventure is made for you!

Maths Detectives Years 3 4

This course will suit you if you:

- Love and have an aptitude for maths.
- Like solving brain-teasing puzzles.

In this course you'll challenge yourself to be a 'Maths Detective'! You'll whiz through logic puzzles and have extreme fun creating and decoding messages. In this course you will learn new strategies to enhance your problem solving abilities and become more aware and 'world-wise' linking learning with life!

Clear As Crystal Years 3 4 Introduction to Geology

This will suit you if you:

- Want to learn more about earthquakes, volcanoes & plate tectonics.
- Are interested in rocks or like collecting & classifying them.

Do you ever wonder how mountains and continents are formed? Do you want to know how earthquakes are caused and volcanoes erupt? Would you like to grow crystals and view them through a microscope? Explore the secrets of the earth's crust and make models in this exciting and challenging course.

Adventures in Art Years 3 4

This will suit you if you:

- Are highly creative and artistic.
- Enjoy manipulating different materials to create new and interesting art work.
- Enjoy experimenting with clay and collage techniques.

Take a walk through the Australian landscape, from the bush to the beach, exploring famous Australian and Indigenous artists along the way.

Create cool, clay critters, print fantastic frogs and create paintings inspired by artists such as John Olson and Emily Kam Kngwararray. Become an artist yourself as you have fun taking a line for a walk, learning the secrets of working colour and creating textures.

Chemistry That's Goopy, Bubbly and Mysterious Years 3 4

This will suit you if you:

- Are interested in science and technology.
- Are curious and have an inquiring mind.

Work out what's happening as things change, froth or bubble. Solve problems as you analyse chemical concoctions. Test ideas as you try to make a polymer of a model you have produced yourself.

You will investigate the chemistry of everyday substances and carry out chemical reactions to learn how substances behave. You will be challenged to use this new knowledge of chemistry to discover the contents of mystery bottles. Activities will include goopy polymers, acid bases, mystery powders and colourful chemistry!

Children do one course for the weekend. Please choose your preferences carefully and only put down those preferences that your child wishes to attend.

The Wonderful World Of Harry Potter Years 3 4

This will suit you if you:

- Love Harry Potter and other "magical stories".
- Enjoy reading, writing and acting.

Can you explain Quidditch to a Muggle? Would you write a war cry for Gryffindor, Slytherin, Hufflepuff or Ravenclaw? What would you do to a Snape or Quirrell?

In this workshop we will create spells, Sorting Hat songs, house war cries and magical adventures. We will also act out parts of *Harry Potter & the Philosopher's Stone*. You must have read this book to attend the course.

Egyptology Years 3 4

This will suit you if you:

- Want to learn MORE about life in Ancient Egypt.
- Can read at an advanced level.

Visit 3000BC, Ancient Egypt and the time of the Pharaohs. Investigate the mystery of the Afterlife and The Book Of The Dead. Test your knowledge of magic and medicine, deities and wands in this world and discover the secrets of being happy in this life and the next. Learn how and why the Ancient Egyptians went to great lengths to prepare the dead for their journey into the next life.

In this course you will create clay tablets inscribed with hieroglyphic messages, make your own papyrus and design and create an amulet that will aid your passage into the next world.



Apply online at
mindquest.net.au.
Our courses fill up very
quickly, so apply early!

Mind Your Own Business! Years 3 4

This course will suit you if you:

- Are creative and like inventing.
- **MUST** be able to work in a team.

Do you like designing your own inventions? How about creating advertisements, logos and catalogues? Or would you prefer acting as a CEO and running the show?

In this course you'll be working in small business teams to showcase your inventions. Designing, creating, innovating and inspiring others will be on the agenda. Can you meet deadlines and win this year's Best Business Award? This course promotes critical and creative thinking with many opportunities to showcase individual talents in art, writing, design and drama.

Crime Stoppers Junior Years 3 4

A crime has been committed and we need your help as a forensic scientist! You will be briefed on the crime and asked to investigate the scene, collecting any possible evidence which might help.

Applying the latest techniques, you will analyse everything from fingerprints to ransom notes, footprints to fibres. You will then have to prepare your evidence to present in court. Have you kept an open mind and checked all possibilities and angles? The court case will tell!

Mission to Mars: Space Travel to the Red Planet! Years 3 4

This will suit you if you:

- Dream of exploring different planets
- Are fascinated by science and technology behind space travel.

Have you ever imagined what it would be like to set foot on Mars? Would you like to know more about the challenges facing the Red Planet? In this introductory course, we delve into the history of Mars exploration, the intricacies of spacecraft design and the future potential for human settlement on Mars. Join us on an exciting mission to understand what it takes to make human missions to Mars a reality!

Race Around The World! Year 4

This course will suit you if you:

- **Are** working at a 5/6 Maths level and **love** working in teams.
- Enjoy brain-teasing puzzles.

Pack your suitcase and get ready for an incredible journey! This is an amazing race for adventurers who love to explore, solve problems, puzzles, and learn about the world.

You will work in teams to embark on a virtual race around the globe. Your team will visit exciting countries, uncover fascinating facts and solve interactive maths challenges to exit the country and move to your next destination. The adventure ends with the surprise country and a grand prize celebration. Don't miss this opportunity to learn, laugh and conquer this race around the world!

Percy Jackson and the Story Thief! Years 4 5

This will suit you if you:

- Love writing and performance
- Like working in groups.

Embark on a mythical journey where Greek Mythology comes to life in a blend of adventure and critical thinking! Delve into captivating tales of gods, heroes and monsters that have intrigued generations. We will bridge the gap between ancient stories and pop culture by exploring how Rick O'Riordan's Percy Jackson series draws inspirations from Greek mythology

You will sharpen critical thinking skills through interactive discussions, creative activities and games. You will be actively involved in the art of crafting narratives, learning the essential elements that bring stories to life. Join us for a transformative experience where the magic of storytelling meets the wisdom of Greek mythology

Digital Animation Years 5 6

This will suit you if you:

- Have a great Imagination.
- Would like to edit and produce your own digital movie.
- Enjoy working in groups.

Explore the exciting world of animation and digital video creation. This course will have you creating sets, scripting, filming and editing a short animated film. You will be using the latest computer software and digital cameras and be covering topics including lighting, sound recording and film making.

Dynamic Debating Years 5 6

This will suit you if you:

- Speak confidently with others.
- Have an interest in debating at school and are a team worker.

Do you love sharing your ideas and hearing different perspectives? Want to learn how to express your point of view confidently and win arguments? In these engaging workshops, led by a coach whose team competed in the state championship, you'll discover key debating skills. Work with a team to develop strong topics and build your case, preparing for exciting full-scale debates. Unlock the secrets to powerful speaking and persuasion— and become a confident, first-class debater!

Write Like A Writer! Years 5 6

This will suit you if you:

- Are an advanced reader.
- Love writing for a sustained period of time.
- Enjoy sharing your ideas.

Have you ever wanted to be an author? Do you write for a hobby and have a passion for storytelling? Join our dynamic writing course designed to enhance your skills and ignite your imagination. Dive into the world of plot development, character creation, and narrative techniques. Whether you're crafting a short story or starting your first novel, this course will guide you in shaping your unique voice and style. Perfect for writers eager to bring their fictional worlds to life!

Shakespeare's Heroes & Villains Years 5 6

This will suit you if you:

- Love drama.
- Enjoy English and poetry.

Meet some of Shakespeare's most loveable, devious and evil characters. Imagine you are a witch conjuring up evil spells, a king preparing his troops for battle, a young prince pursuing his father's killer or a practical joker. These are some of the wonderful characters you will be!

Discover Shakespeare's fantastic mediaeval world and enjoy recreating some of the famous scenes from his plays!

Chemical Reactions: Mystery Gases Years 5 6

This will suit you if you:

- Enjoy science and problem solving.
- Love learning how chemicals work.

Challenge your thinking as you find out about chemicals and their reactions in this practical hands-on course.

Discover how colour helps chemists solve problems and learn the secrets of universal indicators. Unlock the mysteries of chromatography, polymers, the periodic table, acids & alkalis. Solve the code used by chemists. This fun filled course is a must for anyone who is interested in all things chemical!

Trial By Jury Years 5 6

This will suit you if you:

- Interested in the law.
- Are a good reader, self-motivated learner and can work cooperatively.

Guilty or not guilty? Who committed the crime? Who was to blame for the accident? Who was the thief? You will learn how to prepare a case and present it in court to a judge and jury. Learn to analyse information, think logically, prepare an argument, effectively question and present convincingly.

In this exciting course presented by a barrister, you will take on several roles including that of a barrister, member of the jury or witness to the crime. The court is now in session!

Adventures in Oceanography Years 5 6

This will suit you if you:

- Are interested in the underwater world.
- Enjoy learning about chemistry, the marine life and physics.

Our oceans are a vital part of our world and such a precious resource! In this course you will discover the infinite variety of living things that live in or near the ocean, understand currents, tides and how sand is made. We will investigate some of the problems facing our oceans such as global warming and oil pollution. This is a hands on, practical course that will excite your interest!

Lego Robotics Years 5 6

This workshop is designed for students who enjoy constructing machines and working with computers. **In pairs**, design and build your own special machine to perform specific tasks. Learn about sensors, motors and gears.

You will be using the latest computer software to program your design to control its movements in this intriguing problem solving activity. Girls who are interested in science and design have loved this course!

Forensic Science Years 5 6

This will suit you if you:

- Can read at an advanced level.
- Are a self-directed learner who likes persevering through complex problems until you find an answer.
- Like working in a precise and careful manner.
- Enjoy solving real life problems using modern technology.

This exciting hands on course will challenge your thinking skills. You will be:

- Analysing information, thinking logically, questioning evidence and preparing an argument.
- Learning up-to-date forensic methods including; analysing fingerprints; taking casts of footprints; DNA profiling; examining evidence and much much more!

Mysteries & Conclusions Years 5 6

This will suit you if you :

- Enjoy puzzles and challenges.
- Are an above average reader.
- Love discussing your ideas with others in small groups.

For hundreds of years people have been fascinated by the great mysteries of the world. Have you ever wondered what happened to the crew of the ghost ship, Marie Celeste? Did aliens really land at Roswell?

In this challenging course you will become a detective, investigating notorious mysteries from the past and present your own possible solutions. If you like getting to the bottom of a mystery then this course is for you!

Art Moves Years 5 6

This will suit you if you:

- Are creative and artistic.
- Enjoy experimenting with new ideas.

Explore printing, collage, painting & drawing in ways you have never thought of before.

Learn to use all these techniques to create unique and beautiful art works on a journey through your imagination

A Space Odyssey Years 5 6

This will suit you if you:

- Interested in the universe and astronomy.
- Enjoy learning new factual knowledge.

Climb on board as we start our journey through our own solar system with the latest images and information from robot probes. Discover the differences between Red Giants and White Dwarfs. Find out what causes a super nova and what happens when you fall into a black hole.

Travel on to explore life in the universe. Find out could aliens really exist and are UFO's real? Join our adventure to the stars and beyond!

MindQuest 2025

St George Girls HS

Victoria St Kogarah

Saturday & Sunday 20 & 21 September 2025 9.30-3.30pm

For High Potential and Gifted Students

The Courses

Fun Foam & Floaty Bits Years 1 2

This will suit you if you:

- Love to paint, create and explore.
- Like using inks, pastels, plasticine, wire and collage materials.

Become an artist as you will feel the sea through your hands. Discover that you can create fish swimming through gardens of coral. Be inspired by other artists as you work with a variety of materials to create paintings, models and collages based around a sea theme. This course will introduce you to art, using so much more than a paintbrush!

Young Writers Workshop Years 1 2

This will suit you if you:

- Love writing and are imaginative.
- Like expressing your ideas.

Would you like to write your own play? If you love writing, enter the world of heroes and heroines, winged horses and fantastic creatures. We will have fun writing scripts, making costumes and scenery to finally perform your extraordinary creation in front of an audience.

Science Action Years 1 2

This will suit you if you:

- Are interested in Science.
- Enjoy making things

Can you design a vehicle that travels on land and water or a rocket that travels into the beyond? This course will stimulate your curiosity and challenge your thinking as you design a variety of vehicles capable of moving in air, land and water. Working in small groups you will have fun learning about the wonders of science!

Mathemagic Years 1 2

This will suit you if you:

- Love mathematics.
- Think creatively and enjoy constructing.

Do you want to have fun with numbers, use a calculator and do tangram and tessellation puzzles? Learn the many ways to solve puzzles using logical thinking skills! Use your creative skills to build the tallest tower! This enjoyable course is full of challenges, puzzles and games.

Earth's Magic! Epic Adventures Years 1 2

This will suit you if you:

- Are curious and love to learn new facts and ideas.
- Enjoy craft and making things.

Join us for a magical adventure, where we uncover the secrets of our amazing Earth! Dig deep into the planet to find hidden layers, create your own colourful volcano and watch it erupt! Feel the Earth shake as we explore, earthquakes and tsunamis, and travel back in time to see how the land has changed. We will even take a trip into space to see your planet from the stars

Young Scientist Years 1 2

This fun, hands-on course is designed to spark your curiosity as you explore problem-solving and creative design. Engage in exciting activities that let you build, experiment and discover the wonders of science. Girls who have taken this course say it's exciting and inspiring!!!!

Unlocking Leonardo's Secrets! Years 1 2

This will suit you if you:

- Like making and designing things.
- Love Science and/or Art

Are you ready to become a young inventor and explore the amazing world of Leonardo Da Vinci? Join our fun course where you get to make your own cool machines, just like he did from everyday materials! Discover whether his imaginative designs could work in today's modern world. If you love to build things, draw or solve puzzles, this course is perfect for you! Let's dive into the exciting world of ideas and creativity together!

Astronomy for Beginners Years 2

This will suit you if you are:

- Would like to know more about the night sky and space.
- Love making things and learning new facts.

This exciting course introduces the wonders of the night sky, the brilliance of the Sun, the mysteries of the moon and the marvels of our solar system.

Do you want to design and launch a rocket into space? Do you know your star sign and would like to create your own constellation? Would you like to make a special and interesting book about the planets? Join us on an adventure that is out of this world!

Apply online at mindquest.net.au
The closing date is 29 August 2025



Closing Date Friday 29 August 2025. For enquiries and late applications, please call Shelagh Poray on 02 9748 1084