

MindQuest 2018

St George Girls HS

Victoria St Kogarah

Saturday 7 & Sunday 8 April 2018 9.30am - 3.30pm

For Gifted & Talented Primary Students

The Courses

Secret Missions

Years 1 2

This will suit you if you:

- Enjoy solving problems
- Love designing and making
- Enjoy working in a team

Do you like to create things from recycled materials? Do you like to solve secret messages and word problems? Solve the spaghetti challenge, build the tallest tower to hold your teams flag, and solve other secret missions. Learn about design processes, present your team's design and discuss its strengths. Challenge yourself to think outside the square!

Light, Colour, Action!!

Years 1 2

Imagine a world without colour- it brings everything to life! You will investigate the colours in light coming from objects, the hidden colours of inks, secret codes and the mysteries of dyeing and printing.

You will design and make kaleidoscopes, colour wheels and thaumotopes. This course is designed for students who enjoy designing and making, exploring the world around them and the magic of Science and Art.

How Does The Earth Work?

Years 2

This will suit you if you:

- Are interested in volcanoes and how the earth changes.
- Like making models

Discover how the earth changes and how rivers and mountains are made. Build your own volcano and see how it works! Find out about famous volcanoes, great earthquakes and the ring of fire! Discover the myths and legends of the past.

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 and seeing how things work.

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, 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.

Young Scientist

Years 1 2

This will suit you if you:

- Like solving problems & making things
- Are interested in Science

This is a hands-on course that will stimulate your curiosity as we challenge your problem-solving and design skills. Learn about electrical circuits and electromagnets, design the strongest bridge and learn all about air pressure. All the girls who have done this course just love it!!!!

Mummies And All That Stuff!

Years 1 2

This will suit you if you:

- Have ever wondered about mummies, Tutankhamen, and the ancient Egyptians?

Study the wonders of the pyramids and the tombs of the Pharaohs. Travel back in time to 3000 BC and explore the lives of people then. Design and build a pyramid, write hieroglyphics and live the life of the king's slave for a day.

New contact details for Mindquest.

PO Box 577
Toronto
NSW 2283

Phone number
02 4959 7148
Fax number
02 4959 2663
admin@mindquest.net.au

Animal Antics Years 2 3

This will suit you if you:

- Enjoy "hands on" experience with live animals (under supervision)

In this unique course you will discover the secrets of Australian wildlife working with experts who handle these animals every day! You will discover many interesting facts, including the mysteries of Australian dinosaur discoveries, habitats, threatened species, and gain a fascinating insight into how many animals bring up their young!

Sporty Science Years 2 3

This will suit you if you:

- Are interested in the human body
- Love sport and want to learn how knowing some Science can improve your performance in sport.

This is a hands-on course which involves observing some body parts (not human!) and learning how their structure affects their function. You will have an opportunity to experiment and learn how we can protect, develop and use our various body parts to ensure a better performance in sport. You will be encouraged to observe the effects of exercise on our body and how different sports equipment are suited to different types of activities.

Fun, Foam & Floaty Bits Years 2 3

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 seas through your hands and discover that you can create fish swimming through gardens of coral. You will be working with a variety of materials to create paintings, models and collages based around a sea theme and be inspired by other artists. This course will introduce you to art, using not just a paintbrush!

Star Gazing Years 3 4

This will suit you if you:

- Are curious and enjoy learning new facts

Have you ever wondered what's out there? Would you like to know more about the solar system, space travel and the mysteries of deep space? In this **INTRODUCTORY** course we shall discover black holes, constellations, the marvels of lunar landings and much more.

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? We will explore the secrets of the earth's crust and make models in this exciting and challenging course.

Egyptology Years 3 4

This will suit you if 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 make an amulet that will aid your passage into the next world.

Maths Ace 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 Ace'! You'll whizz 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!

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.

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!

Future Problem Solving Years 3 & 4

This will suit you if you:

- Think outside over and under the box.
- Work well on your own and with a partner.
- Persevere through challenges as you explore, build and test your ideas.

In this course you will learn how to "think big" by "thinking small" and learn how you can solve problems that impact you and the rest of the world. If you like to explore why things are the way they are and what you can do to change them then this is the course for you!

Have you ever had a crazy idea for how to look after you cat while you're away, how to deal with bullying or how to teach babies?

You will solve everyday problems that you are interested in by learning how to use design thinking and systems thinking to help you model, build, test and present your prototyped (and possibly working!) solutions step by step.

Chemistry That's Gooney, 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 gooney polymers, acid bases, mystery powders and colourful chemistry!

Drama Drama Years 3 & 4

This will suit you if you:

- Love to act & express your ideas creatively.
- Have a great imagination & like to work with others

Your imagination is one of your most important assets, it allows you to create other worlds, creatures and characters. Enter the world of the theatre as you learn to improvise, improve your performance skills and dazzle the audience!

Creative Cartooning Years 4 & 5

Learn the secrets of the world's most famous animation artists! Create your own cartoon characters, make them run, jump and leap about! Draw any weird or wonderful creature your imagination can conjure up. The award winning creator of two popular comic strips will lead you through this fast paced, fascinating cartoon drawing workshop and unleash your creative potential. Do you want to know the best bit? It's simple and fun.

MiniBeasts Years 4 5

This will suit you if you:

- Love science and the environment
- Are curious

Come and enjoy the exhilaration of the wonderful world of minibeasts. Discover the fascinating world of insects through a scientist's eyes. Gain an upclose experience with a range of insects and explore the amazing ways they live and survive. Create your own insect home so that you can continue your investigations at home.

Art Moves Years 4 5

This will suit you if you:

- Are creative and artistic

Do you 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!

Dynamic Debating Years 5 6

This will suit you if you:

- Are confident in speaking with others.
- Have an interest in debating at school.
- Are a team worker.

Do you like to state your opinion?

Can you see both sides of the argument? Can you "lie through your teeth"? In these workshops you'll learn the basic elements of debating. You will be working in teams to develop topics and case lines, gaining the necessary skills for a full scale debate. Watch exhibition debates, learn the secrets of first class debating.

Digital Animation and Video Editing Years 5 6

Would you like to edit and produce your own digital movie? 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.

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!

**New phone number
MIndQuest
02 4959 7148**

MindQuest 2018

Saturday 7 & Sunday 8 April 9.30am - 3.30pm

St George Girls HS

Victoria St Kogarah

This 86th MindQuest program is to be held at St George Girls HS, Victoria St, Kogarah offers 37 exciting courses for gifted and talented students Years 1-6. This fast paced challenging program is designed to enrich and extend students of similar interests and abilities.

Course Leaders

All course leaders are experts within their fields. Their backgrounds vary widely. They represent primary and secondary schools, as well as tertiary institutions. Each one is committed to fostering students' potential. Many have been involved in developing and teaching programs for gifted and talented

Students Who May Wish To Apply

In the past these courses have proved very successful for a range of students.

- Gifted and/or talented students
- Gifted underachievers
- Students of well above average abilities with a special interest.

The majority of students applying have been nominated by their schools. However, if you believe that your child is in one of the above categories and has not received a form, or is a sibling of a past participant, please contact the MindQuest program for an application form. If your child has a physical or learning disability or medical condition please make sure that you inform us in the medical section on the application form.

Kindergarten Students

Each year we have a number of enquiries from parents of kindergarten children who wish to attend. In general, we encourage parents to wait until the next year except in the case of exceptional students. These children not only have high intellectual ability and language skills, but demonstrate excellent reading, writing and hand eye coordination equal to that of an advanced year 1 student.

Course Selection

Please put down only those courses that your child would like to attend. We do place children on course in the order that we receive applications, however we take into consideration the balance of the courses in terms of age and gender. A child's specific interest should govern his/her choice. However, girls should be encouraged to choose more courses in science and technology and boys in drama, writing and other creative fields. Advanced placement on our courses are available for outstanding students. You will need to ring Shelagh Poray to determine suitability prior to filling in the application form

Cost, Part Scholarships & Refunds

The fee for the MindQuest Enrichment Weekend is \$200 (inc GST). A limited number of part scholarships are available for students whose families find themselves in difficult economic circumstances. Please contact us for details. A full refund is issued for any course cancelled. Refunds will be available prior to the closing date on Friday 9 March 2018. **After the closing date no refunds or transference of credit to the next weekend can be issued unless a medical certificate is received.**

Confirmation

You should receive a letter giving details of your course before Thursday 29 March 2018. If we are unable to place you on course we will contact you by phone/ letter prior to this date

Program Times 9.30am-3.30pm Saturday and Sunday, 7 & 8 April 2018

NSW Talent Centre Pty Ltd

02 4959 7148

PO Box 577

Toronto

NSW 2283

www.mindquest.net.au

Closing Date Friday 9 March 2018

Chemical Reactions: Mystery Gases Years 5 6

This will suit you if you:

- Enjoy science and problem solving

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, effective questioning and convincing presentation skills.

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!

Marine Science Years 5 6

This will suit you if you:

Are interested in the underwater world

Enjoy learning about chemistry, the human body 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 oceans, understand currents, tides the making of sands. We will investigate some of the problems facing our oceans such as global warming and oil pollution. This is a hands on course practical course that will excite your interest!

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.
- Enjoy puzzles and challenges.

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 using microscopes and much much more!

Mysteries & Conclusions Years 5 6

This will suit you if you :

- Enjoy puzzles and challenges.
- Are an above average reader.
- Enjoy 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!.

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!

A Space Odyssey Years 5 6

This will suit you if you:

- Interested in the universe and astronomy

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!

Simply Impro!!! Years 5 6

This will suit you if you:

- Have a lively imagination.
- Like working in groups.

Finally the chance is here to shout, argue, throw tantrums and embarrass all in the safety of your own performance space. Discover your hidden talents, amaze, astound and stun your audience!

This is an introduction into the crazy world of improvised drama. Improve your communication skills, polish performance skills whilst learning to become a team player. Play interactive and energetic games that will test your humour and your MIND POWER! Simply Impro extends students in a broad range of subjects and interests and provides an opportunity to meet other students of similar interests!

Scan and email to:
admin@mindquest.net.au
or
NEW ADDRESS
Post to:
PO Box 577
Toronto
NSW 2283

MindQuest Enrichment Weekend St George Girls HS

Sat & Sun 7 & 8 April 2018 9.30-3.30

Application Form

Personal Details

First Name _____ Home telephone _____

Surname _____ Date of birth _____

Address _____

Postcode _____ Grade/Year _____

Email Address _____

School _____ Male ☐ Female ☐

Please list up to six enrichment courses in order of preferences.

You will participate in only **one** course for the weekend.

Please list **ONLY** those courses you are willing to attend.

Course 1

Course 2

Course 3

Course 4

Course 5

Course 6

Contact number/s and names
for this weekend

Payment may be made by credit card, cheque or money order to NSW Talent Centre Pty Ltd.

Post application and payment to:

NSW Talent Centre

PO Box 577 Toronto 2283 NSW

Cost of attending the enrichment weekend is **\$200 (including GST)**. Payment by instalment is available for families with 2 or more children attending. Contact Shelagh Poray for information. **02 4959 7148**

Credit Card Details

Please debit my ☐ Visa ☐ Mastercard for the amount \$ _____

Card Number _____ / _____ / _____ / _____

Expiry Date _____ Card Holders Name _____

Signature _____

Medical Information. Please indicate below any illnesses/conditions in case medical treatment is required or that course leaders/organisers need to be aware of.

Parent/Guardian Consent

In the event of an accident or illness during the weekend I give permission for my child to receive medical attention. I have informed the NSW Talent Centre of any condition/illness which may inhibit or affect treatment. I have read and understood the REFUND policy.

Parent/Guardian Name _____ Signature _____