



Science Nerd Academy

If you love Science and would like to spend more time in the lab, this is the course for you.

On the agenda are STEAM challenges (Science, Technology, Engineering, Arts and Maths), group work and experiments. And you will be given opportunity to complete your own Science projects.

Sports by the Numbers

Today nearly every professional sports team on Earth employs a Statistician. Come and find out why. Try watching and analysing some live games and see how your favourite sports have been changed by those who love numbers!

The Art of Secrets

Explore the history, social context and mathematics of code breaking and cryptography.

Investigate the reasons why encryptions have been developed and used, and delve into the messy business of breaking them.

Develop your own code – and try and break another – to defend your group's secret!

Mathematics for Makers

Mathematics is the foundation of engineering, architecture, cryptography, and a whole world of science.

Come and explore the advanced maths that underpins some of our important technology and start along a path towards helping to build our future.





The Actors Voice

Feel like you've got something to say? Find your voice! Be heard!

Explore the voice through the work of spoken word artists – often young, diverse, politically active – whose focus on performance has become increasingly popular over the last decade.

Students will combine elements of slam and performance poetry, monologues and duologues, and radio play to deliver an experience that is both literary and loud. Students will gain skills and confidence to transport the energy of The Voice from the page to the stage.

Stage Action

Stage Combat, Physical Theatre and Slapstick

Always wanted to know how to stage a fight scene? Want to strengthen your movement technique skill and physical confidence? Do you have a talent for comic timing? In Stage Action we will explore the world of Physical Theatre and learn basic stage combat techniques, as well as the principles of mime and slapstick theatre. We will film the best slapstick scenes and stage combat sequences, compiling a class showreel of Stage Action highlights.

Stagecraft

Have a talent for make-up and costume design? Want to make props for the stage or screen? In Stagecraft you'll learn a range of technical skills to help support theatre and film production. This is a hands-on practical course where you explore a range of performance genres – fantasy, horror, sci-fi and period drama. Then it's up to you! What do you want to create?

Centre Stage

Junior Major Production

Interested in performing on the stage? Keen to become a director? Join the advanced Drama programme and be part of a cast that brings a script to life on stage. You'll strengthen your performance skills and your understanding of drama techniques, conventions and elements. You will also develop your problem-solving skills and communication skills during the rehearsal and production process. Perform your improvised work as installations around the campus.



Junior School Shorts

Create a music video or short film production of your own choosing, using the skills and genre knowledge you will develop during the course.

You will be working independently and in groups toward a developed media product.

Make it, Move it!

Design an item of transport – maybe a plane, a train, an automobile or even a tank!

Using hard materials (metal, wood, plastic), construct your vehicle and take it for a test drive!

For the final touch, ‘pimp’ your ride with lights!

Learn the skills of Hard Materials Technology and Electronics while having a tonne of fun.

Make it, Market it

Using hard materials (metal, wood, plastic), design and build items for a market.

Let your imagination loose and see what you can make to give as gifts or even to sell.

Learn the skills of design and Hard Materials Technology and maybe even earn some spare cash!

Jaonga Tech - Jewellery

Create your own treasures through technological practice.

Recycle materials to create jewellery of your own design.

Explore the significance of jewellery in cultures locally and abroad.

Develop modelling skills to ideate and create work relevant to you!

Metal casting, glass work, beading and mixed media are explored.





Jammin' Juniors

An introduction to music for students who are new to music.

Embrace music appreciation, learn about orchestral instruments and contemporary instruments. Explore the world of sound and musical forms.

Learn to sight read music to an elementary level and have hands-on practical sessions playing various styles of sheet music while trying different instruments.

Learn how to read Treble and Bass clef. Develop ear training with pitch, chord and scale recognition. Learn about rhythm, time signatures, note and rest values.

Demonstrate your knowledge and skills with performances and a theory assessment.

Scaled Up

For students with previous experience in music who already play an instrument.

Continue to expand your skills of score analysis, using the elements and features of music. Explore a wide variety of genres from classical to hard rock.

Further develop sight reading and instrumental skills. Develop ear training with pitch, chord and scale recognition.

Work on a passion project – this might be working collaboratively or individually on a song for composition, or creating a performance piece for the end of the year.

Demonstrate your knowledge and skills by performing your song through group or solo performances or submitting an original song, as well as a theory assessment.

Gods, Heroes and Monsters

Explore the world of the ancient Greek Gods. Get to know the Gods and heroes with all their powers, relationships and rivalries, and participate in a quizlet programme to reinforce your learning. Then investigate key monsters in the Greek world and their interactions with Gods and heroes. Consider a range of myths and what they meant to the Greek people and us today. You prepare a report on a Greek God, write your own version of a new myth, and review a film exploring Greek mythology.

The Ancient Olympics

Explore the greatest sporting and religious event of the ancient world, the ancient Greek Olympics. Athletes from all over the Greek world competed in a range of sports to honour their cities and the Gods in games that ran every 4 years for a millennium. Learn about the events, ceremonies, the Gods and myths behind the games, and the strange lack of clothing. Women were not allowed, but they had their own event which we will investigate. Consider authentic evidence from the ancient world as well as modern expert views. You complete a project comparing the Greek Olympics to a modern sporting equivalent.

The Amazons:

Female Warriors of the Ancient World

The Amazons were the warriors that the ancient Greeks feared most of all. Explore the world of these mythical female soldiers and their famous Queens, and how they terrorised Greek society. Consider their historical roots in the impressive Scythian warrior princesses of the Russian steppes. Study ancient Greek vase art; the Amazons are the most depicted group on surviving ancient Greek vases. Then explore the world of female leadership and the limits on female power in the ancient world in general. You will complete a major project on ancient female warriors or leadership.





Deconstruct/Reconstruct

Have you ever been op-shopping and found something fun and beautiful and want to preserve it?

Do you want to recreate it to reflect a new idea or accentuate the positive features of your lucky find?

Learn sewing/garment construction skills to re-purpose textile items in a sustainable way into new and different garments or articles.

Save money while having a positive impact on reducing textile waste in the environment.

Colour It, Print It – Creative Textile Craft

Personalise your clothing or make your own piece of fabric to then sew into a garment or craft item.

Explore and develop design elements to create your own unique motifs and prints. Manipulate the design ready to print, then apply to fabric or a garment.

Explore skills such as screen printing, fabric dyeing, glow in the dark threads and embroidery.

End up with garments, gifts and decorative items created by YOU!

Fashion – Make It, Wear It!

Are you a follower of fashion trends and like to wear garments that make a statement? Do the clothes you like have their own “language”?

Learn how to read and follow a commercial pattern of your own choice.

Develop some design ideas for garments, then sew and create statement fashion garments.

Let your sewing skills express who you are through personalised garments.

