

2021



STUDY GUIDE
Centre of Excellence



Cairns

Centres of Excellence

Aerospace & Engineering Music Performing & Visual Arts Sport

Cairns State High School proudly offers our community a wide range of Centres of Excellence programs.

These Programs of Excellence are in addition to the normal QCAA program of timetabled classes in Years 7-12. They enable students to develop their skills, attributes, talents, abilities and academic knowledge beyond the standard classroom setting. This often involves students engaging in extra-curricular performances, school events, competitions, projects, community events and industry-specific activities. These activities may be on a local, state, national or international level.

Students often have access to additional resources, experts in their field, as well as community/business and industry mentors in order to develop individual student skills and attributes. Real world activities, problem solving, performances, tournaments/matches and other scheduled events are an integral part of all of these programs.

Students must apply and audition/trial to enrol in a Centre of Excellence whether they reside within the enrolment catchment or outside the catchment area. Applicants, who are outside of the enrolment catchment area and are successful in gaining a place in a Centre of Excellence, are admitted to Cairns State High School. The selection processes are highly competitive. The school's Enrolment Management Plan (EMP) allows for a set maximum number of places for student intake into each Excellence Program, however selection is based on the achievement of a required standard. Current information about the application process is published on the school's website.

Excellence Programs require students to attend the program outside of the normal school hours and all enrolled students must attend these timetabled sessions. This could be before school from as early as 6.00am or 7.00am or after school until as late as 5.30pm depending on the length of the program lessons for each week.

Students may be required to re-trial, audition, or meet other entry requirements in order to be selected and accepted into the Centre of Excellence Program for the following year. The Music Centre of Excellence Program is the exception. Students in this program will remain in their identified ensemble group unless notified by the teacher to change or join additional or alternative ensemble groups.

Students and parents/carers must also be committed to attending all associated events, performances, workshops or activities related to the Excellence Program and pay program fees associated.

Christopher Zilmer

Executive Principal



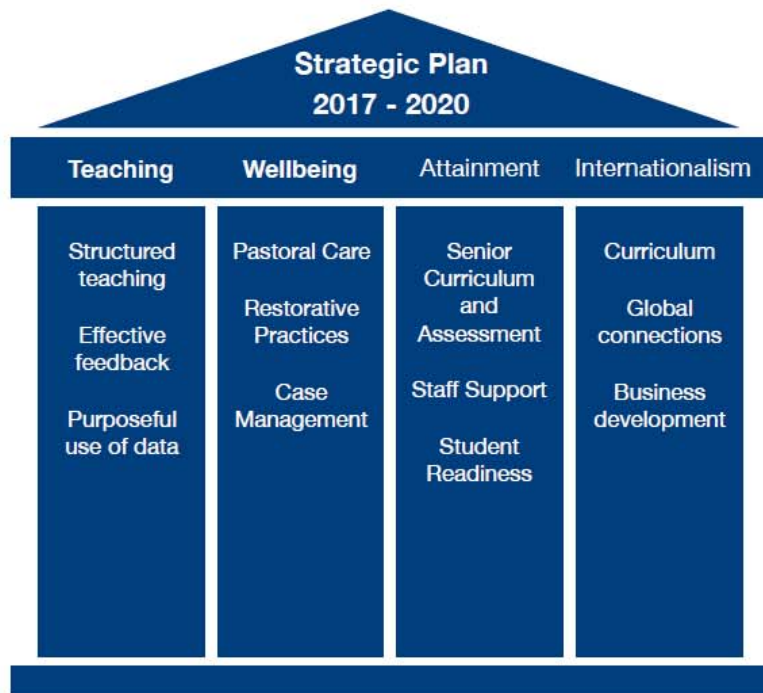
VINCIT QUI SE VINCIT
One who conquers self conquers all.

OUR MISSION
To develop young people who are inquiring, knowledgeable and caring and who are committed to learning, success and global citizenship.



CAIRNS

State High
The best we can be.



EXCELLENCE

Respect Responsibility Resilience

ATTRIBUTES OF A CAIRNS STATE HIGH LEARNER:

Inquirers	develop their natural curiosity. They acquire the skills necessary to conduct inquiry and research and show independence in learning. They actively enjoy learning and this love of learning will be sustained throughout their lives.
Knowledgeable	people explore concepts, ideas and issues that have local, national and global significance. In so doing, they acquire in-depth knowledge and develop a deep understanding across a broad and balanced range of disciplines.
Thinkers	exercise initiative in applying thinking skills critically and creatively to recognize and approach complex problems to draw justified conclusions, and make reasoned, ethical decisions.
Effective communicators	understand and express ideas and information confidently and creatively in a variety of modes of communication and in more than one language. They work effectively and willingly in collaboration with others.
Principled	people act with integrity and honesty, with a strong sense of fairness, justice and respect for the dignity of the individual, groups and communities. They take responsibility for their own actions and the consequences that accompany them.
Open-minded and flexible	people understand and appreciate their own cultures and personal histories, and are open to the perspectives, values and traditions of other individuals and communities. They are accustomed to seeking and evaluating a range of points of view, and are willing to grow from the experience.
Caring and cooperative	people show empathy, compassion and respect towards the needs and feelings of others. They have a personal commitment to service, and work collaboratively to make a positive difference to the lives of others and to the environment.
Confident to embrace new challenges	means approaching unfamiliar situations and uncertainty with courage and forethought, and having the independence of spirit to explore new roles, ideas and strategies. These people are brave and articulate in defending their beliefs.
Balanced and resilient	people understand the importance of intellectual, physical and emotional balance to achieve personal well-being for themselves and others.
Reflective	people give thoughtful consideration to their own learning and experience. They are able to assess and understand their strengths and limitations in order to support their learning and personal development.



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Aerospace and Engineering

Cairns State High School is at the forefront of the STEM (Science, technology, engineering and mathematics) agenda. The range of subjects on offer to every student in compulsory, elective and extension curriculum provide for a full range of learning opportunities. STEM touches almost every aspect of our lives. Innovations driven by people skilled in STEM are changing how we live, work and understand the world.

Students engaging in the Centre of Excellence in **Aerospace and Engineering** are provided with unique opportunities to explore STEM concepts within the realistic work experiences provided by these fields. The program will empower our students to harness opportunities designed to enable them to meet future challenges in these fields. The program helps our students harness the opportunities and meet the challenges of the future.

Areas of Study

- Flight dynamics, drones and rockets
- Coding and robotics
- Data collection
- Engineering study challenge

Assessment/Workload

Assessment is of a highly practical nature complemented by design folios.

Careers

- The Your STEM Future brochure shows how you can make a positive difference to the world through a STEM career.
- Bullseye Career Information: School subjects you like and the jobs they can lead to is a downloadable booklet to help you to make subject selections based on the jobs they can lead to. It includes a list of useful websites.
- Careers with Code provides information about how computer science and coding studies can help you get the 'game-changing jobs of tomorrow'.
- The CSIRO Indigenous STEM education program provides pathways to increase Aboriginal and Torres Strait Islander representation in STEM-related professions.
- At the Digital Careers website you can find information about ICT careers and pathways.
- EngineerGirl provides career information and stories, quizzes and competitions for girls interested in finding out more about engineering careers.



Contact

Mark Hall, Science, Technology, Engineering and Mathematics (STEM) Champion, 40503025



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Music: Chorale

Choral Music caters for all students interested in developing their singing skills through choral singing in one of two school choirs: middle school choir – Young Singers (Years 7-9) and Cairns State High Chorale (Years 9-12). Year 9 students will be placed in the choir most suited to their experience and vocal development.

The course is essentially practical and is designed to develop in participating students: knowledge, skills and experiences associated with vocal and choral music from a wide range of styles and periods. The academic content of the course is presented in the context of practical experience. This content is intended to develop the students' musicianship skills and ability to appreciate and interpret choral and vocal music.

Areas of Study

- Vocal skills (voice production, choral blending)
- Musicianship skills (musical literacy, aural ability, sight-singing)
- Performance skills (solo, small group, large group stage presence)
- Interpretational skills (style, phrasing, dynamics, etc.)
- Attitudinal skills (responsibility, confidence, independence, leadership, pride in achievements)
- Appreciation skills (choral music in general, community groups (Australia and overseas) involved in choral music.)

Students will study, listen to and, if possible, attend rehearsals of a number of local, interstate and overseas choirs. They will be given the opportunity to work with guest conductors and possibly other school or community choirs. It is hoped that by emphasizing and enhancing student abilities to enjoy and participate in vocal and choral music, they will enter the community as musically active performers and as an educated audience.

Assessment/Workload

Assessment by way of attendance and performances, knowledge of parts and general participation and behaviour will occur throughout the course. Students may need to make themselves available for the Eisteddfod.

Associated Subject Costs

Subject fees to cover text and resources

Key Staff

Lizanne Smith, Director of Music
Lauren Hannay, Director of Choral Music
Katherine Fraser, Music Teacher
Stephanie Grenning, Music Teacher
Andrea Leumann, Music Teacher
4050 3049





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Orchestral Music: Big Band, Chamber Strings, String Orchestra, Symphony Orchestra, Symphonic Winds

Music is one part of the total education of a child. The Instrumental Music Program is an extension of the classroom music program and provides children with the opportunity to experience the expressive qualities of music through learning to play a band/orchestral instrument. Through music education, the students are led to an awareness of music and an appreciation of the part music plays in their own lives and the lives of others.

Areas of Study

- The Instrument
- Playing Posture
- Tone Production
- Tuning and Intonation
- Articulation
- Symbols and Terms
- Rhythmic and Melodic Perception
- Sight Reading
- Performance
- Improvisation and Composition

Students will study, listen to, and, if possible, attend performances of a number of local, interstate and overseas ensembles. They will be given the opportunity to work with guest conductors and participate in master classes. Students will also be expected to attend and review a number of instrumental performances. It is hoped that by emphasizing and enhancing student abilities to enjoy and participate in instrumental music, they will enter the community as musically active performers and as an educated audience.

Assessment/Workload

Assessment is by way of attendance and performances, knowledge of parts and general participation which will occur throughout the course.

Associated Subject Costs

Students are encouraged to attend various professional performances and selected students will have the opportunity to participate in workshops/master classes.

Key Staff

Lizanne Smith, Director of Music
Jon Christodoulides, Woodwind/Brass
Simon McMenamin, Strings
Angela MacKenzie, Strings
Jon Barbagello, Percussion
Fiona Hamill, Woodwind
Natalia Mann, Harp
4050 3049





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Dance

Students engaging in the Program of Excellence Dance:

- Extend both performance and choreographic appreciation skills beyond the classroom situation
- Develop creative thinking through combining the expressive and aesthetic qualities in the use of mind and body
- Develop communication of issues and ideas using the body as the instrument of expression
- Develop the complete artist through exposure to a range of resources and experiences to challenge and extend

Areas of Study

This course offers three main areas: performance, choreography and appreciation

- Understanding your style
- Eisteddfod performance and costume creation
- Group choreography for Dance Night
- Performance for Dance Night
- Other public performance

Special Subject Advice

- It is strongly encouraged that students wishing to do this subject are enrolled in private dance lessons
- Entry is by audition at the end of Term 4 in the previous school year
- Places are limited to approx. 18-20 students
- Senior (11-12) Monday afternoon 3:15pm – 5:20pm
- Intermediate (9-10) Monday afternoon 3:15-4:45pm
- Junior (7-8) Wednesday afternoon 3:15-4:45pm

Assessment/Workload

By way of performances and set choreographic tasks. Some of these are public performances which occur outside of school time.

Associated Subject Costs

There will be a cost to cover costume costs, Guest Artists workshops, theatre performances, make-up and Eisteddfod entry fee.

Key Staff

Lauren Portman, Nicole Cleland & Alisha Matthews, Dance Teachers 4050 3030
Sarah Daggett, Head of Department Performing Arts
4050 3092





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Drama

The POE Drama program:

- provides students with a range of acting and performance skills in a variety of contexts
- extends both performance and forming skills beyond the classroom situation
- provides opportunities for students to publically perform
- develops the complete artist through exposure to a range of resources and experiences to challenge and extend.

Areas of Study

Making/Forming

- Improvisation
- Playbuilding
- Blocking
- Devising

Making/Performing

- Improvisation
- Scripted drama
- Performance
- Physical theatre
- Realism

Special Subject Advice

- Focus is on practical work and performance
- Entry is by audition at the end of Term 4 in the previous school year
- Places are limited to approximately 20-22 students
- Junior Thursday 3:15-4:25pm
- Intermediate Thursday 3:15-4:45pm
- Senior Thursday 3:15-5:30pm

Assessment/Workload

By way of polished performances. Students will need to be available for some events which may occur during school holidays. Although much of the workload is conducted during class time, students will be required to attend lunchtime and weekend rehearsals in the lead up to public performances.

Associated Subject Costs

There will be additional fees to cover play texts, guest artist workshops, competition entry costs, costumes and props for production.

Key Staff

Nicole Cleland, Kelly O'Mahony, Nicole Iodice: Drama Teachers 4050 3030

Sarah Daggett, Head of Department Performing Arts 4050 3092





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Sport: Basketball, Football (Soccer) & Hockey

The COE Sport provides three Centre of Excellence Programs providing the region's elite junior sports people with a skill and knowledge platform from which they can maximise their performance. Students will not only be taught how to perform skills but will also be coached to understand the concepts behind that skill and the physical requirements needed to successfully carry out the task.

Areas of Study

Five main areas of study are highlighted and common throughout all subjects:

- Intensive individual and team concept trainings
- Athletic development program, including strength and conditioning
- Sports Science (psychology, nutrition, etc.)
- Refereeing, coaching and administration (accreditation and practice)
- Life skills (time management, goal setting, etc.).

Special Subject Advice

Each program is supported by their various local and state associations. The basketball program has strong links with the Cairns Taipans NBL team.

Assessment/Workload

Each subject varies in the workload required and the associated assessment.

Associated Subject Costs

Applicants should note that there is a cost involved in these subjects. Some subjects may require their participants to be involved in fundraising activities. Applicants from outside the Cairns region are required to find suitable accommodation.

Key staff

Brad Burdon, Director of Basketball

Josh Taylor, Director of Football (Boys)

Carmel Bakurski, Director of Hockey

4050 3031

Martin Fehlberg, Director of Football (Girls)

4050 3020





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Visual Arts: Film

Programs of Excellence in Art and Film provide opportunities for students to work in areas of film design and production that are not possible in the normal school curriculum. The program is suited to students who are creative, passionate and highly motivated in film. It is interesting to note that Cairns State High School has been offering a visual art excellence program since 1985 when CAD (Centre for Artistic Development) was first introduced. In the COE Film program there is a strong focus on:

- access to media, processes and techniques beyond the normal curriculum.
- a high level of resolved work suitable for exhibition and competition in both school and community galleries and community events, for example – Understory Film Festival, ATOM Awards, BUFTA.
- linking with industry professionals and artists through masterclasses, artists in schools programs, exhibitions, gallery visits, artist talks and collaborative projects (working with local established artists, filmmakers, & industry practitioners where opportunities arise)
- provide a program which will link studio practice with specialised individual focus

Areas of Study

This course offers a wide variety of practical visual arts experiences, focusing on the development of deep knowledge in technical processes and techniques. Some examples for Film include screenwriting, cinematography, animation, Foley and sound design, and editing.

Through this course, students will also have the opportunity to engage with local and state-wide experts from university and industry, including for example, but not limited to:

- Australian Teachers of Media (ATOM)
- Regional Excellence in Arts and Culture Hubs (REACH)
- Bond University Faculty of Society & Design
- Sapphire Pictures
- A wide range of contemporary artists and Industry professionals.

Special Subject Advice

Entry is by audition (Years 8-12)

Assessment/Workload

Assessment is by way of attendance and involvement in film and screenwriting competitions, exhibitions. Making and Responding and participation will be assessed throughout the course. Students should note that the class takes place after school on Mondays from 3.10pm - 4.20pm.

Associated Subject Costs

A fee goes towards the purchase of materials and equipment for studio practice.

Key Staff

David Marsden, Head of Department Visual Arts 4050 3083

Clyde Williams 4050 3051





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Visual Arts: Art

Programs of Excellence in Art provide opportunities for students to work in areas of the visual arts that are not possible in the normal school curriculum. The program is suited to students who are creative, passionate and highly motivated in the visual arts. It is interesting to note that Cairns State High School has been offering a visual art excellence program since 1985 when CAD (Centre for Artistic Development) was first introduced. In the COE Visual Arts there is a strong focus on:

- access to media, processes and techniques beyond the normal curriculum.
- a high level of resolved work suitable for exhibition in both school and community galleries and community events, for example - CAD wearable art Fashion Parade.
- linking with industry professionals and artists through masterclasses, artists in schools programs, exhibitions, gallery visits, artist talks and collaborative projects.
- provide a program which will link studio practice with specialised individual focus

Areas of Study

This course offers a wide variety of practical visual arts experiences, focusing on the development of deep knowledge in technical processes and techniques. Some examples for Art are Drawing, Printmaking, Ceramics, Sculpture, Painting, Fibre Arts, Time based media, Fashion Design and Public Art.

Through this course, students will also have the opportunity to engage with local and state-wide experts from university and industry, including for example, but not limited to:

- KickArts Contemporary Arts - official partnership
- Regional Excellence in Arts and Culture Hubs (REACH)
- James Cook University Arts and Creative Media.
- A wide range of contemporary artists and Industry professionals.

Special Subject Advice

Entry is by audition

Assessment/Workload

Assessment is by way of attendance and involvement in group exhibitions. Making and Responding and participation will be assessed throughout the course. Students should note that the class takes place after school on Mondays from 3.10pm -4.20pm.

Associated Subject Costs

A fee goes towards the purchase of materials and equipment for studio practice.

Key Staff

David Marsden, Head of Department Visual Arts

4050 3083

Great Evangelista, Jodi MacKenzie, Fiona Musgrove: Visual Art Teachers

4050 3043





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