



Redcliffe State High School

2024

STEM Institute

Extension Program

**STEM
@ RSHS**

Year 7 Extension Program - STEM Institute 2024 Application Checklist

Please ensure you have completed the requirements listed below to successfully submit your application.

Requirement	✓
Application form completed and attached	
Your most recent report card attached	
NAPLAN attached	

All POE and EP applications must be emailed no later than **Friday 28th July 2023** to poeapplications@redcliffeshs.eq.edu.au.

2023 Important Dates

Wednesday 17th May 2023 Applications Open
Friday 28th July 2023 Applications Close
Thursday 23rd November 2023 Fees Due



School Background

Redcliffe State High School is one of the oldest and proudest schools on the Peninsula. The school opened for business in 1958 and set as the motto of the school **'Faire Sans Dire'**. In translation, this means **Deeds without Words**. At Redcliffe, we believe in the importance of our actions. To this end, Redcliffe is committed to providing quality education in a manner that reflects the needs of today's students.

Our School's Statement of Intent

Our school's vision calls for all of our students to go "above and beyond" and this applies to the many facets of learning and the wider school experience at Redcliffe SHS. However, for our Extension Program students, there will be a greater expectation that in all aspects of school life, they will go above and beyond, extending their ability as they strive for personal excellence. Furthermore, it is expected that the Extension Program students represent our school in extra-curricular activities as another means of learning in the world-wide community.

Extension Program – STEM

To demonstrate our commitment to achieving 'Above and Beyond' outcomes for our students, Redcliffe High in 2001 commenced an Excellence Program in Maths, Science and Technology. The STEM Institute builds on the teaching expertise and industry relationships developed over this period.

Extension activities may include

- Medium to long term problem-solving and design projects
- Competitions such as the F1 in Schools program and the Moreton Bay District STEM Challenge
- Strong links with partner organisations such as EMC (Electronic and Mechanical Calibrations) and The Robert Bird Group
- Specific in depth problem-solving using higher mathematical concepts

The STEM Institute seeks to identify students entering high school who are already demonstrating higher outcomes in maths and science and provide them with opportunities to achieve their maximum potential. Design, engineering and project management skills will be developed alongside advanced maths and science applications.

STEM Institute students will meet the requirements of the Australian Curriculum in Maths, Science and Design Technology. Problem solving and higher order thinking are an essential focus of the course.

In addition, the program offers opportunities to

- Apply maths and science through hands on learning
- Use and create technology
- Use an engineering design process
- Engage in collaborative teams
- Reinforce maths and science standards
- Address real-world problems
- Research and investigate problems and applications
- Participate in a range of competitions

What are we looking for?

Motivated young students with an interest in Design, mathematics and/or science that want to access the opportunities provided by having high knowledge level and understanding in these areas. We want students with the motivation and the persistence to continue with a task even if the solution is not obvious. You are the problem-solvers of the future.

Selection Criteria

The following sources of information will be used to determine successful applicants.

- Written application (attached)
- NAPLAN results
- Standard of work as reported in school report
- Reports from current teacher

Applicants must be committed to reaching their full potential. Students must:

- Attend every class with a charged laptop, connected to the school wi-fi
- Demonstrate an ability to work with others as part of a team
- Be willing to commit to extra activities such as competitions, workshops and excursions
- Give an undertaking to complete all set tasks, homework and assignments
- Demonstrate enthusiasm and interest in the fields of mathematics and science.

Catchment Area for Enrolment

The STEM Institute Extension Program is open to students who meet the criteria of residence within the catchment area of Redcliffe State High School.

Students who live outside the catchment area of Redcliffe State High School cannot be considered for the STEM Institute Extension Program, unless they are offered a place in the school via another approved POE or the Wait list, as per the School Enrolment Management Plan.

Behaviour, Participation and Attendance Expectations

A student will remain eligible as a course participant if they continue to meet the excellent standards upon which their acceptance was initially determined.

Students enrolled in Extension Program must maintain a high level of achievement in all classes in order to keep their position in the Program.

At any time after the Program has commenced Redcliffe State High School reserves the right to remove a student from a Extension Program for reasons of behaviour, attendance or academic suitability. This allows all students enrolled at the school to work to their potential in the correct classroom environment for them.

If a student elects to move to mainstream learning written communication from parents will be necessary. Depending on timetabling considerations, it may not be possible to immediately accommodate this change.

How to Apply

- Complete the attached application form, including supporting documentation as requested.
- All POE and EP applications must be lodged electronically to poeapplications@redcliffeshs.eq.edu.au
- no later than **Friday 28th July 2023**

Course and Resource Fees

Students in the STEM Institute will need access to a range of school resources to fully participate in the course. Therefore, continued enrolment in the program is contingent upon Student Resource Scheme (SRS) fees having been paid or having an agreed SRS payment plan in place.

A full review of our Student Resource Scheme and Program of Excellence Fees will be conducted in Term 2, 2023. As a guide for 2024 fees please refer to our school website, Curriculum - Programs of Excellence – Schedule of POE Fees 2023.

Should you have any questions about the program or the school, please do not hesitate to contact Mrs Angela Gilbert, Program Director on (07) 3897 1111.

Please be advised that students who are successful in gaining entry into the STEM Extension Program will be required to pay all EP levies in full by Thursday 23rd November 2023.



STEM @ RSHS

The STEM Institute

Extension Program

2024 Application Form

Personal Details

Student's Full Name: _____

Date of Birth: _____

Home Address: _____

Parent/Guardian Details

Parent 1: Full Name: _____

Home Address: _____

Email: _____

Mobile No: _____

Parent 2: Full Name: _____

Home Address: _____

Email: _____

Mobile No: _____

I understand that there are limited places in the Program of Excellence Visual and Media Arts and that submission of an application form does not mean automatic acceptance into the Program.

Parent/Carer Signature

Date

IMPORTANT: All POE applications must be lodged electronically to poeapplications@redcliffeshs.eq.edu.au, no later than **Friday 28 July 2023**. Out of catchment students who are accepted into a POE will be contacted to lodge an enrolment application.

The STEM Institute

Program Specific Information

SCHOOL DETAILS

PRESENT SCHOOL: _____

YEAR 6 TEACHER: _____

YEAR 6 TEACHER EMAIL: _____

ACADEMIC BACKGROUND

Please attach a copy of your most recent school report containing maths and science results. NAPLAN statements of results must be included.

Please provide a brief statement about your maths and science interests and school results in these areas.

Please give details of participation and results in extracurricular maths: (e.g. Australian Maths Competition & Science Competition)

Year/s	Event	Result

Give details of any other recent activities related to these areas e.g. Maths or Science Extension Activities at Redcliffe SHS or a holiday program.

Please include other information you consider may be relevant to your application:

PERSONAL QUALITIES

This section is to be completed by the student applicant. Your responses to these questions will be considered as part of your application. The quality of these responses could be used to determine entry to the program.

If selected, what are you hoping to gain from being in the STEM Institute Program?

What are your other interests/hobbies?

What aspects of maths, science and engineering really interest you? Why do these aspects interest you?

Declaration of Your Intent

In keeping with Redcliffe SHS's Statement of Intent in which it is stated that it is the expectation of all students to exhibit truth, honesty and integrity, by signing the following we are declaring that information contained in and attached to this application is correct and complete. We understand that the provision of misleading information may lead to the cancellation of the application. Additionally, we understand and accept the expectations for students enrolled in RSHS Extension Programs as stated in this document.

SIGNED: _____

(Applicant)

WITNESSED: _____

(Parent/Guardian)

DATE: _____