






THURINGOWA STATE HIGH SCHOOL ISTEM ACADEMY



iSTEM ACADEMY APPLICATION

With increased global and emerging technological innovations, the evolution of skills required of the future workforce demands resilience, critical thought and adaptability from our learners.

At Thuringowa State High School we prepare students for the modern world through our iSTEM Academy classes, iSTEM elective subject, STEM Club and access to the Queensland Virtual Academy.

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iSTEM Academy (specialist Mathematics, English and Science classes)

The iSTEM Academy classes provide a positive, innovative learning environment that fosters deep learning and develops 21st Century learners through six key competencies;

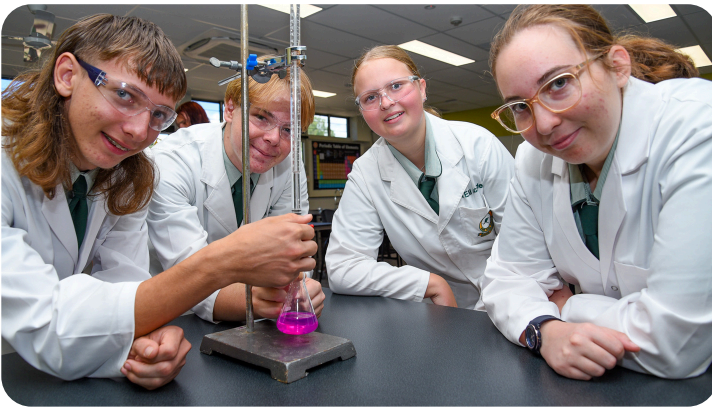
Creativity | Innovation and Entrepreneurship | Collaboration | Communication
Critical thinking and problem-solving | Global citizenship

Development of these competencies will inspire our modern learners to be active, critically engaged, global citizens now and in the future.

iSTEM (elective subject)

Thuringowa SHS's iSTEM (elective subject) enables students to learn through problem solving, inquiry, critical thinking, creativity, collaboration and curiosity. By innovating solutions to authentic Science, Technology, Engineering and Mathematics (STEM) challenges, students are able to create, be inspired and develop aspirations for the future.

Learning experiences include building of solar boats and cars, renewable energy projects, design thinking challenges around personal cooling, learning Arduino coding and underwater robots.



Queensland Virtual Academy

Thuringowa SHS is a proud partner of the Queensland Virtual Academy (QVA). Through this collaboration, students at Thuringowa SHS engage in STEM enrichment programs that allow them to virtually connect with peers from other schools across Queensland. Together, they explore their shared interests in STEM through innovative, inquiry-based learning. Guided by expert teachers and STEM professionals, students develop critical thinking, communication, and collaboration skills as they work to solve authentic, real-world STEM challenges.

STEM Club

Students will have the opportunity to extend and strengthen their 21st Century skills by joining our extracurricular club. Each week, students who are passionate about STEM will have the chance to work together to further develop their skills and interests. Whether it is competing in the Hydrogen Grand Prix or the First Lego League, or just working through their own challenge, this is an amazing opportunity to work with other STEM champions.



Who is eligible?

iSTEM Academy students must demonstrate:

Passion for learning | Strong work ethic | Interest in STEM study and aspirations | Good communication skills

Please complete all sections and forward to Thuringowa State High School.

Student Name: _____

Current School: _____

Home Mailing Address _____

Parent/Guardian Name: _____

Phone Number: _____

Parent/Guardian Email: _____

Aboriginal and/or Torres Strait Islander Yes No

Diverse Learning Yes No

Parent/Guardian Signature: _____

Most recent report card attached? Yes

I wish to participate in:

iSTEM Academy iSTEM Elective STEM Club

Queensland Virtual Academy Courses

Why do you want to take part in the STEM opportunities at Thuringowa SHS?

What are your key strengths that will help you be a successful STEM student?
