

ACADEMY PROGRAM STEM

**Nurturing REAL STEM Leaders of Tomorrow
for a Brighter Future.**

The STEM Academy is designed to cultivate a dynamic learning environment where students engage in hands-on activities, emphasizing practical learning through experiments, projects, and simulations. Students are empowered to tackle complex challenges with confidence as they are supported to develop critical thinking, questioning, analysis, and creative problem-solving.

A focused approach to:

- Science Discovery: Fostering inquiry-based learning and critical thinking through hands-on experiments and real-world applications.
- Tech Proficiency: Equipping students with coding, robotics, and digital design skills, and preparing them for the digital age workforce.
- Engineering Challenges: Cultivating creativity and problem-solving through hands-on projects and design challenges.
- Mathematical Mastery: Developing mathematical reasoning and data analysis skills, showcasing the relevance of mathematics in everyday life.

Enrichment Opportunities:

- Big Science Competition
- QUT High School Student Workshops
- Young ICT Explorers
- Murrumba Math Tournament
- Advanced Manufacturing Future Skills Program
- ICAS Competitions
- CSIRO CREST Awards

Applications for Yr7 2025 Open 1 May - Close 8 July 2024

Details of the Academy Program can be found on the College Website

 <https://mangohillssc.eq.edu.au/>

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