For more information and/or to register your interest, please contact AST of Science and STEAM Co-ordinator Ben Payne:

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Phone: 6244 9200
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Are you a self-motivated learner?
Do you enjoy tackling real-world challenges or exploring questions meaningful to you?
Are you a creator, maker, innovator?

STEAM at Rosny College is specifically designed for the students to pursue ideas they are passionate about within a wide array of interest areas such as:

• Coding and gaming
• Robotics
• 3D printing
• Laser cutting
• Drone technology
• Virtual reality
• Engineering
• Medical innovations
• Digital art
• Microprocessors and associated electronics

Connections with local and global industry leaders and the University of Tasmania will fortify and enhance student experiences and outcomes and encourage real world experiences.

Students will develop confidence in STEAM skills:

• Problem solving
• The ability to work independently as well as collaboratively
• Applying the engineering design process
• Resilience
• Leadership
• Communication
• Intercultural understandings and global citizenship

Skills learners develop will be transferable to further education, employment and in living a fulfilling life. The inquiry product may also provide evidence as part of portfolio entry to university.

There are multiple access points to STEAM for students Rosny College.

**Student Directed Inquiry – Level 3 Course**

- 15 TCE points

A design and inquiry approach with a STEAM focus.

In this course students will be expected to:

• Meet all TASC subject requirements, including submitting an inquiry proposal
• Maintain a digital journal and portfolio
• Produce TedTalk style presentations
• Submit project plans and reports
• Engage with others as an active expert within both the school and global online communities

**STEAM – Level 2 Course**

- 15 TCE points

A design, inquiry and manufacturing focus that will be suited to a number of curriculum areas

This course will be shaped through student voice.

Connections with local and global businesses will offer rich experiences in this course shaped toward student interests.

**STEAM related learning opportunities**

Students studying various courses throughout the college will be able to utilise the STEAM facilities and technologies for their learning.

Courses such as Design and Production, Object Design and Visual Arts will provide access points for students to explore areas of interest through STEAM.

**As a makerspace**

All students at Rosny College will be able to access STEAM and the technologies available in their own time.

A range of technologies will be available for students to “tinker” with and to explore areas of interest within STEAM.