STEM Honours Class

Junior Secondary: Engaging Students

What is STEM? STEM is the acronym for Science, Technology, Engineering and Mathematics. It encompasses a vast array of subjects that fall into each of these areas of learning. STEM touches every aspect of our lives, from our smartphones to the technologies that enable us to explore the world around us and outer space. It also drives innovation in our fast-changing, global economy.

To succeed in this environment, and for Queensland to continue to prosper into the future, our students need a strong foundation in STEM.

At Maryborough State High School, students have an opportunity to apply to be part of the Honours Class, where students will receive advanced tuition in English, Mathematics, Science, Social Science and STEM (problem solving and advanced learning), as well as learn the languages of Coding.

We have partnered with the Fraser Coast Regional Council and the Sunshine Coast University to give our students the edge and provide the real opportunities for success. In addition to these partnerships, students are also invited to apply for a number of scholarships for academic, sporting and cultural excellence.

Coding Honours

What does this mean for our Honours Class students? When a student applies to be part of the Honours Class, they will undertake two lessons of Coding per week in the place of traditional languages such as German or Japanese.

Why is this important?

- 40% of all Australian jobs are at risk of being automated in the next 10-15 years.
- 75% of the fastest growing occupations require STEM related skills and knowledge
- 60% of new jobs require skills held by only 20% of the workforce
BYOx - Bring Your Own Device

Bring Your Own ‘x’ (BYOx) is a new pathway supporting the delivery of 21st century learning. It is a term used to describe a digital device ownership model where students or staff use their personally-owned mobile devices to access the department’s information and communication (ICT) network.

These mobile devices include but are not limited to laptops, tablet devices, voice recording devices (whether or not integrated with a mobile phone or MP3 player), games devices (e.g. DS, Game Boys), USBs, DVDs, CDs and smart phones. Access to the department’s ICT network is provided only if the mobile device meets the department’s security requirements which, at a minimum, requires that anti-virus software has been installed, is running and is kept updated on the device.

Students are responsible for the security, integrity, insurance and maintenance of their personal mobile devices and their private network accounts. These devices cannot be shared with any other student.

In 2017 all Maryborough State High School students will have access to this system for $25 a year.

BYOx Support

The school’s BYOx program supports personally-owned mobile devices in terms of access to:

- Printing (where available)
- Internet
- File access/storage
- Support to connect devices to the school network

However, the school’s BYOx program does not support personally-owned mobile devices in regard to:

- Technical support
- Charging of devices at school
- Security, integrity, insurance and maintenance including damage of device
- Private network accounts