

# ASHDALE STEM INSTITUTE

SCIENCE | TECHNOLOGY | ENGINEERING | MATHEMATICS

Ashdale  
Secondary College



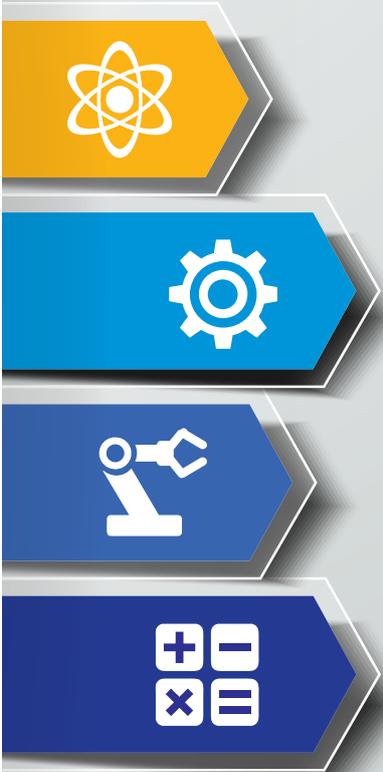
Achieving a Positive Future





# ASHDALE STEM INSTITUTE

DEVELOPING EXCELLENCE AND INNOVATION IN HIGH PERFORMING STUDENTS



## What is STEM Education?

STEM education focuses on the learning areas of Science, Technology, Engineering and Mathematics. STEM is an interdisciplinary approach that incorporates hands on, challenge-based learning aimed at harnessing the potential of high performing students.

## Why STEM?

Modern economic growth is reliant on students becoming innovative global thinkers capable of finding creative solutions to real world problems. STEM education nurtures high achieving students enabling them to target career paths across a vast range of leading edge professions.

## Why Ashdale STEM Institute?

Ashdale Secondary College is leading the way in STEM education through the development of a creative and exciting curriculum. As part of the Ashdale STEM Institute, students will have the opportunity to:

- have input in their learning,
- work on solutions to real world problems,
- engage with current research initiatives.

Our expert teachers undertake staff development programs that encourage inquiry-based teaching and learning strategies. There is a strong emphasis on creative and critical thinking, scientific method and stimulating the natural curiosity and innovation of young minds.

The facilities and equipment at Ashdale SC are world class. Students have access to the latest technology throughout the College including:

- a vibrant Creative Lab including use of 3D printers,
- robotics equipment,
- e-textiles,
- maker space workshop,
- Circuit Scribes, surface tablets and the latest software.

## The STEM Curriculum

The Ashdale STEM Institute program runs from Years 7 to 9, with enrolment in the program reviewed each year. Students will remain in the same class groups for Maths, Science and ICT to facilitate a rigorous academic program.

Students in the Ashdale STEM Institute program will be able to access specialised links to further education and industry. They will participate in expos, exhibitions, competitions, excursions, incursions and business projects, as part of their negotiated education.

To complete an Expression of Interest for the Year 7 2016 program, please contact the College on 9302 7100 or email [ashdale.sc@education.wa.edu.au](mailto:ashdale.sc@education.wa.edu.au).

**Ashdale**  
Secondary College



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