

# INDUSTRIAL DESIGN

ELECTIVE  
SUBJECT

Year 10

**Course Outline:** Over the course of the two years, students will develop 21<sup>st</sup> century skills in three industry relevant areas namely business graphics, architectural design and product design.

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**Learning Experiences:**

- Students develop ideas and design concepts using sketching, drawing techniques and prototyping skills
  - Students will develop skills in manual and computer aided drafting
  - 3D modelling with 3D printers
  - CNC plasma cutting
  - Folio presentation
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**Duration:** 1 year

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**Assessment:**

- 1 unit of assessment per term
  - 1 exam each semester
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**Certification:** School End of Semester Reports.

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**Commitment:** In order to succeed in this subject, students must have an interest in sketching, drawing and computer aided drafting. Students must be committed to completing all classwork, homework and assessment as required.

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**Cost:** Refer to the schedule of fees.

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**Course Requirements:** A laptop that meets school minimum specifications. Students must bring all stationery items as per the book list and abide by school uniform and footwear guidelines required during all lessons.

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**Links to Careers:** Architecture, Drafting, Digital Media Design, Fashion Design, Graphic Design, Industrial Design, Interior Design and Landscape Architecture.

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In an increasingly technological and complex world, it is important, to develop the knowledge, understanding and skills associated with the traditional and contemporary tools and materials used by Australian manufacturing industries to create products.

Industrial Design focuses on the underpinning industry practices and drafting processes required to produce drawings used in a variety of contemporary Australian graphical industries.