

POSITION DESCRIPTION

Lead Teacher STEAM



Purpose:

The Lead Teacher STEAM is an educator who has the demonstrated skill set, confidence, experience, drive and commitment to develop and enhance our School's priority on building student capabilities and passion in STEAM (Science, Technology, Engineering, Arts and Mathematics) and staff pedagogical capacity to ensure they are confident and capable of using current and emerging educational methods and digital tools for authentic teaching and learning.

The person will be able to encourage and collaborate with teachers and students to build capacity in the use of our digital fabrication laboratory and a broad range of digital and hand tools. They will collaborate with teachers in the Junior and Senior Schools to demonstrate how interdisciplinary learning can enhance the curriculum and student engagement. They will build capacity in the use of design thinking and entrepreneurial mindedness.

Responsibilities for the Lead Teacher STEAM will include working collaboratively with teachers in the development of curriculum, provision of enhancement opportunities in the area of STEAM, continuing the development of the School's Signature Projects, and teaching to deliver the School's Digital Intent document.

Reports to:

- Deputy Principal – Learning and Innovation

Key Contacts:

- Director of Senior School Curriculum Support and Whole School Initiatives
- Heads of Faculty
- Junior School Director of Curriculum
- Senior School teachers
- Junior School teachers
- Director of Marketing and Communications

Location:

- Lauriston Girls' School Armadale Campus

Conditions:

- The Lead Teacher STEAM may be required, from time to time, to work outside of the normal school working hours.

Key Tasks:

Leading:

- In conjunction with the Principal and key staff support the implementation the Lauriston Girls' School Digital Intent which complements existing curriculum and considers future curriculum trends
- Facilitate amongst all staff a shared vision of purposeful change that maximises use of digital fabrication, making, design thinking
- Develop and implement an enhancement program with a focus on science, technology, engineering and mathematics

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- Regularly communicate in writing and through presentations to staff, the School and wider community the range, scope and status of the school's use of digital fabrication, making and design thinking projects, curriculum integration and enhancement program
- In collaboration with the Principal and key staff develop and participate in external partnerships/relationships with educational institutes and technology based companies which advance the positive and effective uses of digital fabrication and design thinking in teaching, learning and research

Teaching:

- Kindergarten to Year 12 classes with a focus on interdisciplinary projects which utilise the digital fabrication laboratory
- STEM and technology based electives
- Science, Technology, Engineering and Mathematics Enhancement Program
- After school and vacation programs for students in digital fabrication and making

Integration:

- Model effective uses of digital fabrication technologies, electronics and design thinking
- Collaborate with key staff and teachers in the planning and implementation of projects within the established curriculum and for interdisciplinary projects which relate to the digital fabrication laboratory, making and design thinking
- Work with teachers in the digital fabrication laboratory and support them in their use of digital technologies, hand tools and design thinking
- Support students in the digital fabrication laboratory in their use of digital technologies, hand tools and design thinking
- Model effective uses of design thinking and digital fabrication technologies
- Support key staff in the planning, design and implementation of specific projects for students from Prep to Year 10
- Support key staff in the planning, design and implementation of STEAM and technology based Electives

Enhancement:

- Collaborate with key staff to develop a strategy for science, technology, engineering and mathematics enhancement from Kinder to Year 12
- Be at the forefront in pedagogical theory and practice in science, technology, engineering and mathematics
- Collaborate with teachers on short, medium and long term planning in science, technology, engineering and mathematics, initiate appropriate professional learning for teachers, and develop initiatives which will enhance teaching approaches
- Develop and implement a sequential science, technology, engineering and mathematics enhancement program for academically able students from Years 5 to 10 which is complimentary to the current curriculum

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Professional Learning:

- Provide individual and group support and/or coaching to teachers and faculties
- Provide professional learning activities to teachers within the School and to educators external to the School

Coaching in Design Thinking and Digital Fabrication:

- Coach teaching staff, in collaboration with the Director of Senior School Curriculum and Digital Initiatives, providing support in the embedding of design thinking, digital fabrication and accompanying pedagogies;
- Identify professional learning opportunities for individuals, small groups and whole school which are differentiated for teacher needs and skill levels;
- Participate in Faculty, Year Level or Unit meetings where appropriate to collaborate in curriculum development;
- Collaborate in the development and implementation of projects or signature projects for identified year levels;
- Support the Howqua teachers in identifying and implementing approaches to embedding digital technologies in the curriculum.

Lauriston Girls' School's five core values:

- Relationships
- Courage
- Creativity
- Intellectual Curiosity
- Engagement In Life

Child Safe Standards:

Lauriston Girls' School has zero tolerance for child abuse. Everyone working at Lauriston Girls' School is responsible for the care and protection of the children and young people within our care and reporting of information about suspected child abuse.

All members of staff share in the responsibility for the prevention and detection of child abuse, and must:

- Familiarise themselves with the relevant laws, Code of Conduct and Lauriston Girls' School's policies and procedures in relation to child protection, and comply with all requirements;
- Read and formally acknowledge their acceptance of the school's Code of Conduct for staff;
- Take all reasonable steps to protect children from abuse;
- Report any reasonable belief that a child's safety is at risk to the Principal or delegate;
- Teachers and nurses fulfil their obligations as mandatory reporters;
- Report any suspicion that a child's safety may be at risk to their supervisor (or, if their supervisor is involved in the suspicion, to the Principal or delegate);
- Promote the cultural safety, participation and empowerment of Aboriginal and Torres Strait Islander children;
- Promote the safety, participation and empowerment of children with culturally and/or linguistically diverse backgrounds;
- Promote the safety, participation and empowerment of children with a disability;
- Provide an environment that is supportive of all children's emotional and physical safety.

Initials _____

Date _____

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Child Protection Training

Lauriston Girls' School has developed a Child Protection Training program that has been designed to assist staff with the knowledge and skills required to respond appropriately to issues of child protection. Your on-going employment is subject to you completing the Lauriston Girls' School Child Protection training program.

Final Statement:

The purpose of the position description is to provide an overview of the major tasks and responsibilities of the position. It is not intended to represent the entirety of the position. The incumbent may be requested to perform other work tasks, not specifically stated, and the Executive may modify the position description in consultation with the incumbent from time to time, depending on the operational needs and requirements of the School.

This position description is to be read in conjunction with the **Classroom Teacher K-12** position description.