



PENINSULA

GRAMMAR

POSITION DESCRIPTION

Making/STEM Integrator

Peninsula Grammar Background

Peninsula Grammar is a coeducational school of excellence, which fosters the full and balanced development of each child. In caring for students and their learning we encourage them to take up life's challenges both at the School and beyond. The School values a spiritual and moral view of life that prizes the highest standards of personal character with a Christian ethic of service and concern for others. **Peninsula Grammar has zero tolerance for child abuse and is committed to the protection of all children from all forms of child abuse.**

The School is a leader in the field of Positive Education which is best described as traditional education plus approaches that nurture wellbeing and promote mental health. Underpinned by the science of positive psychology, the School's wellbeing program encourages students to focus on the good things happening in their lives and by so doing, aims to increase their levels of resilience and optimism.

The Principal is the Chief Executive Officer of the School. The Principal leads the School Senior Leadership Group, the members of which play a significant role in developing, implementing and evaluating school policy. Ultimately the responsibility for the leadership and management of the School rests with the Principal.

The Senior Leadership Group consists of the Principal, the Deputy Principal – Student Wellbeing, the Deputy Principal – Learning & Development, the Business Manager, the Heads of Senior Years, Middle Years, Junior Years, the Head of Wellbeing, the Director of Positive Education, the Director of Learning Technologies and Innovation and the Director of International Operations.

All employees of Peninsula Grammar have a responsibility to:

- Reflect and nurture the Aims and Philosophy of the School in the course of their work.
- Through the example displayed in their approach to their work, energise fellow staff, students and parents by fostering quality relationships and community development.
- Provide effective role modelling through the use of appropriate conflict resolution and negotiation skills.
- Maintain confidentiality and support for the School.
- Maintain professional competence and current knowledge in educational trends.
- Maintain a client-centred approach to all aspects of their work.

Employees are appointed by and act under the direction of the Principal, through the Senior Leadership Group. The appointee to this position will be required to undergo an annual performance review in accordance with the School Professional Review and Development Program.



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Role Summary

Working across two state-of-the-art, purpose built MakerSpaces in our Junior and Middle Years programs the Making/STEM Integrator is responsible for embedding the principles and pedagogical approaches to Maker Centered Learning and STEM across the curriculum in Years P – 8. This role requires an inspirational educator who can influence, motivate and encourage our learning community through making by collaborating with key staff to create innovative learning opportunities for our community. Using our two purpose built MakerSpaces the integrator will empower staff and students in using technology and making to develop the soft skills required to thrive beyond school. The integrator will be an expert in learning who is very aware of how Making, Technology and Tools can be used to inspire and enhance the capacity of all learners in the digital age. An acute awareness of contemporary pedagogy, STEM principles and the ability to be brave in thinking and empowerment are essential for this position. The Making/STEM Integrator will work closely with the Director of Learning Technologies and Innovation to ensure the spaces provide innovative opportunities across the Junior and Middle Schools.

The MakerSpaces house a range of innovative technologies for students to produce meaningful solutions based on real world problems they find. The MakerSpace is an open, agile space with various tools and rich media. A clear focus for this role is the ability to coach and support thinking with all key stakeholders.

Skills and Experience

The Making/STEM Integrator is an outstanding influencer with transformational leadership skills who can coach staff and students to reach their full capacity as learners. The Making/STEM Integrator will have experience in building teacher efficacy by providing solutions and promoting effective teaching practices in Maker Centered Learning through community engagement. The Making/STEM Integrator will develop and model collaboration, distributed teaching and learning with a combination of diverse skills and expertise with the expectation to share information and ideas with all learners at Peninsula Grammar. The Making/STEM Integrator has comprehensive knowledge and skills in Science, Technology, Engineering and Mathematics (STEM) and can connect these principles to curriculum. While being attuned to Design the Making/STEM Integrator must also have detailed knowledge of Computational, System and Design Thinking. Through cultivating a passion for making the Making/STEM Integrator will be aware of emerging technologies and trends within the STEM area and be able to bring new and exciting ideas to The Peninsula Grammar community. Being curiosity driven, the Making/STEM Integrator will foster experimental learning along with rapid prototyping and an interdisciplinary approach to problem solving while being highly flexibility and agile. Experience in Primary and Middle School Curriculum along with The Victorian Digital Technologies curriculum will be highly regarded.

Key Responsibilities

Making/STEM Integrator

- Build the capacity of staff and students in the understanding and application of Maker Centered Learning
- Develop students and staff awareness and knowledge of the thinking dispositions involved in constructing Modern Knowledge



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- Implement the Peninsula Grammar Making Pedagogical Framework
- Build the capacity of Students and Teachers in Digital Fabrication, Making, Design Thinking, System Thinking and Computational Thinking
- Work with the Heads of Key Learning Areas, Heads of Departments and Junior, Middle and Senior School Teachers on integrating Making into the curriculum
- Support the Deputy Heads of Key Learning Areas - Learning and Curriculum in the planning, design and implementation of Making across P - 8
- Model effective uses of Maker Centered Learning, STEM principles, Design Thinking, System Thinking and Computational Thinking
- Develop the skills of staff in using the MakerSpace, Tools and Technologies to enhance the learning of students
- Build capacity through the coaching of staff in using technologies that allow for Digital fabrication, Making, Design thinking, System thinking and Computational thinking
- Develop a culture of making and innovation which enhance the dispositional STEM thinking principles in all curriculum areas
- Inspire students and staff by fostering curiosity, creativity, and innovation in learning
- Embed the necessary skills to thrive in the 21st century, including but not limited to Creativity, Complex Problem Solving, Critical Thinking, Project Management, Collaboration, and People Management
- Build and implement Problem Based Learning strategies across all curriculum areas
- Create interdisciplinary learning opportunities for students and staff
- Develop and maintain effective tertiary and industry relationships that enhance the delivery of the MakerSpace curriculum
- Suggest and implement new initiatives and learning opportunities for students and staff
- Provide students with exciting learning opportunities with a considered focus of technologies, tools and equipment
- Prepare, implement and present professional develop opportunities for all members of Peninsula Grammar community on Maker Centered Learning
- Research, recommend and implement the necessary learning opportunities, technology, curriculum and equipment requirements to maintain effective student learning outcomes
- Perform general troubleshooting and required maintenance of MakerSpace equipment, furnishings and software
- Support and coach staff with their learning programmes on making within the classroom
- Prepare, organise, setup and co-ordinate various MakerSpace fairs that showcase student learning
- Deliver specific classes with a STEM focus ensuring students make meaningful solutions to identified problems

OHS

- Develop appropriate policies and procedures specific to the Makerspace environment
- Follow safe working procedures developed for the School.
- Report any hazards identified throughout the school to the OHS representative.



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- Complete an incident reporting form for all incidents that occur in the MakerSpace domain.
- Respond to the requests of the OHS officer to provide information and relevant assistance.
- Comply with purchasing guidelines for health and safety when ordering plant and equipment.
- Liaise with staff including the OHS manager to help resolve health and safety issues.
- Such other duties as may be required from time to time.

Child Safety.

- Ensure all student safety standards and mandatory reporting requirements are adhered to.
- Attend all training and maintain compliance with all child safety legislation, standards and regulations.
- Complete all mandatory training in a timely manner.
- Escalate and report all matters related to student safety immediately.

Professional Review

This Position Description is intended as a framework for professional review.