



FACULTY OF ARTS

Adelaide Summer Research Scholarship 2020-2021

Inquiry-based learning trends in Schooling

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Schools offering the International Baccalaureate Middle Years Program in Australasia are struggling to facilitate the inquiry skills that students need to engage in the Years 9/10 Personal Project. There has been an acceleration of Information Communication Technologies (ICT) use in many such projects however, the skills associated with inquiry-based learning (IBL) have not increased correspondingly.

This project will conduct a systematic review of the literature on IBL in schools, especially in interdisciplinary projects including STEM and HASS. The Models of Engaged Learning and Teaching (Willison, 2020) will be used as the conceptual framework to guide the analysis.

The overall goal of the project is to illuminate best-practice IBL in schools internationally and determine the range of outcomes of IBL. This will inform an Australian Research Council Linkage Project grant application and provide the basis for a journal article submitted to the Review of Educational Research (QRI=5).

Research Tasks

1. Systematic Literature review of IBL processes and outcomes 2011-2020
2. Drafting an article based on this literature review for the Review of Educational Research
3. Recommending IBL approaches for an Australian Research Council Linkage Project grant application

Reference

Willison, J. (2020). *The Models of Engaged Learning and Teaching*. Springer.
<https://link.springer.com/book/10.1007/978-981-15-2683-1>

The student will gain the following research skills and experience;

- Publication in high-quality journal
- Collate background information for a competitive grant application
- Determine search parameters including keywords
- Find appropriate literature through a systematic literature search
- Evaluate and rate articles
- Analyse quality articles and organise into a systematic structure
- Communicate in academic writing and less formally by email and conversation with supervisor