



Curtin University



Faculty of Humanities

2020 Australian Government Research Training Program Scholarships

Strategic Project Profile

PROJECT TITLE: 21C STEM Skill evaluation

FIELD OF RESEARCH CODE: 1303

PROJECT SYNOPSIS: Many schools are implementing STEM programs in order to develop in students 21C or transversal skills, but there is little understanding about how to ascertain if these skills are being achieved. The skills include collaboration, problem solving, creative thinking, designing and so on, and all project purport to develop them, but in the absence of a verification mechanism. This project will work with schools to enable this level of assessment.

FEASIBILITY AND RESOURCING – DESCRIPTION OF THE SUPPORT THIS PROJECT WILL RECEIVE:

This project has received a small amount of research funding to establish links with schools and conduct a needs analysis. The school will continue to provide support for the project, and external funding will be sought.

WHAT MINIMAL ATTRIBUTES AND SKILLS EXPECTED BY THE CANDIDATE BE COMPETITIVE:

Beyond the requirements for entry into a PhD program, background in education, awareness of developments in STEM education.

THE SIGNIFICANCE OF THE PROJECT/ PROGRAM FOR THE ENROLLING SCHOOL OR INSTITUTION:

This is one of the research projects in the STEM Discipline Group in the School of Education. Its significance derives

from the international need for the research. There is an EU project working on the same problem, and some projects in the US, but there is a more widespread and urgent need for such research.

Students are advised to contact the Project Lead listed below prior to submission of their scholarship application to discuss their suitability to be involved in this strategic project.

PROJECT LEAD CONTACT

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