



RESEARCH FELLOW (POST DOCTORAL) – STEM EDUCATION

DEPARTMENT/UNIT	Education Futures
FACULTY/DIVISION	Faculty of Education
CLASSIFICATION	Level B
WORK LOCATION	Clayton Campus

ORGANISATIONAL CONTEXT

Everyone needs a platform to launch a satisfying career. At Monash, we give you the space and support to take your career in all kinds of exciting new directions. You'll have access to quality research, infrastructure and learning facilities, opportunities to collaborate internationally, as well as the grants you'll need to publish your work. We're a university full of energetic and enthusiastic minds, driven to challenge what's expected, expand what we know, and learn from other inspiring, empowering thinkers. Discover more at www.monash.edu.

The **Faculty of Education** is nationally and internationally recognised for excellence in teaching and research. Operating across two campuses, we offer a diverse and innovative curriculum that responds to international and local community needs, producing graduates who lead professional practice, public debate, policy and community action around the world.

Among our programs are undergraduate and masters teacher education degrees in early childhood, primary, and secondary education and a wide range of postgraduate coursework and research degrees in education, counselling, psychology and educational and organisational leadership. We have a vibrant research culture, and we are known for our openness to multidisciplinary critical research and our commitment to finding solutions to the key educational problems of our time.

For more information about the faculty, please visit our website: www.education.monash.edu.au.

POSITION PURPOSE

The Research Fellow will develop approaches to research methods, to collaborate with relevant stakeholder groups and partners to translate research insights across a range of academic and professional forums. In addition, the Research Fellow will undertake high level and basic research, and explore how research can be applied to reveal new insights into education and learning. Expertise in STEM Education research across the educational sectors (e.g. school, university, vocational, academic, formal, informal) is necessary.

Reporting Line: This position reports to the Professor & Deputy Dean

Supervisory Responsibilities: Not applicable

Financial Delegation: Not applicable

Budget Responsibilities: Not applicable

KEY RESPONSIBILITIES

1. Extract information from multiple sources to devise data-driven solutions which provide insights into questions of importance for STEM educational research and policy
2. Develop tools and methods for answering questions of relevance for a wide range of stakeholders in education and particularly STEM education
3. Collaborate with Education Futures members and other stakeholders to identify opportunities to inform relevant public and research debates
4. Draw together the analyses and communicate recommendations, identifying the best approach to represent data to a range of diverse audiences
5. Utilising data and information from a wide range of data sources and conduct research into the impact of STEM education findings within the educational context
6. Lead and conduct independent and collaborative research projects which result in the generation of high-quality publications
7. Participate in competitive funded research projects
8. Keep abreast of the academic and professional literature and developments in STEM education and associated educational impact
9. Actively participate in growing the research and teaching culture of STEM education in the University and the Faculty of Education
10. Undertake administration activities primarily connected with the staff member's area of research
11. Collaborate with team members in a manner that reflects a commitment to the University's goals, information sharing and effective problem solving practices

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:
 - A doctoral qualification in a STEM education or a related discipline (e.g. science education, technology education, engineering education or mathematics education)

Knowledge and Skills

2. Demonstrated knowledge of education theory and quantitative, qualitative and online research methodologies
3. Experience with data analysis techniques
4. Demonstrated experience in educational research methods and the ability to use technical skills to find solutions to unidentified problems
5. Strong business acumen including the ability to identify opportunities to improve operational delivery and influence organisational strategy
6. Excellent analytical skills and proven ability to translate observations into shared knowledge
7. Record of independent research resulting in high-quality publications and evidence of growing citation impact
8. High-level communication skills and ability to represent data in a number of ways to communicate findings to a diverse audience
9. Sound interpersonal skills including demonstrated ability to effectively collaborate with team members, other colleagues and external parties

OTHER JOB RELATED INFORMATION

- Travel (e.g. to other campuses of the University) may be required
- Some out of hours work will be required
- A valid Working with Childrens Check is a requirement of this position

LEGAL COMPLIANCE

Ensure you are aware of and adhere to legislation and University policy relevant to the duties undertaken, including: Equal Employment Opportunity, supporting equity and fairness; Occupational Health and Safety, supporting a safe workplace; Conflict of Interest (including Conflict of Interest in Research); Paid Outside Work; Privacy; Research Conduct; and Staff/Student Relationships.