









Rigour, relevance and relationships

Child-centred bushfire education for 21st century schools

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Building best practice in child-centred disaster risk reduction

Bushfire and Natural Hazards CRC 2015-2020

Research Team

Professor Kevin Ronan, CQU

Emeritus Professor Annette Gough, RMIT

Professor John Handmer, RMIT

Dr Katharine Haynes, NHRA

Dr Marla Petal, Save the Children

Professor Eva Alisic, UoM

Dr Mayeda Rashid, Monash University

Dr Anto Avianto, Macquarie University/Predickt

Dr Revathi Krishna, Monash University

End-user agencies

WA Department of Fire & Emergency Services

NSW Rural Fire Service

Victorian Country Fire Authority

NSW State Emergency Service

Victorian State Emergency Service

Tasmania Fire Service

Fire & Rescue NSW

SA Country Fire Service

SA State Emergency Service



School-based bushfire education

Five principles of good practice

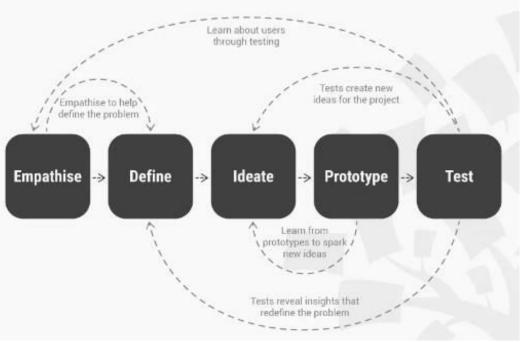
- 1. Transdisciplinary curriculum design
- 2. Place-based pedagogy
- 3. Action-oriented learning goals
- 4. Student voice, agency and leadership
- 5. Collaboration and partnership



Translating research into practice

Design, develop and test a research-informed approach to bushfire education for upper primary school students, with a focus on scalability and sustainability.

















Four focus areas



Classroom resources



Capability



Coordination



Strategic Enablers



Three phase learning model





DISCOVER



TUNING IN



FIRE ECOLOGY



ABORIGINAL CULTURAL BURNING



BUSHFIRE BEHAVIOUR IN THE LANDSCAPE



BUSHFIRE RISK



INVESTIGATE



CHOOSING A PROBLEM TO SOLVE



DEFINING THE PROBLEM



CONDUCTING ONLINE RESEARCH



INTERVIEWING LOCAL PEOPLE



CONTACTING SUBJECT MATTER EXPERTS



TAKE ACTION



IDEATING SOLUTIONS



LOW FIDELITY PROTOTYPING



CONSULTING WITH SUBJECT MATTER EXPERTS



HIGH FIDELITY PROTOTYPING



STUDENT PRESENTATION AND SHOWCASE



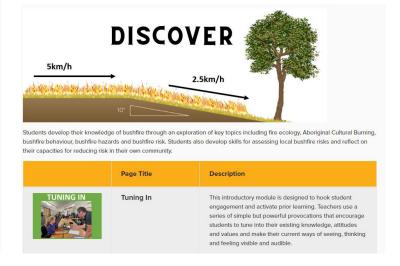
Supporting resources



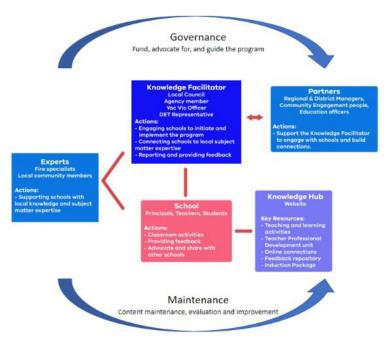
Auditable children are growing up in a context of equipping tradition raw, with climate change executiviting the higgsiney and intensity of tradition exemits. Contemporary research industries recommends, place-based actionmicrosoft tradition estimation to improve against materiary for children and floor communities.

PHASE 2: INVESTIGATE

Students will:	Geography	220002	
MODULE 1: CHOOSING PROBLEM TO SOLVE Identify problems that could be making local people, houses and other community assets witherable to the impacts of bushfire hazards In select a relevant and authentic problem to focus on for their project If form project teams based on the problems they have chosen Identify the characteristics of an effective team	Impacts of bushfires or floods on environments and communities, and how people can respond (VCGGK095) Critical and creative thinking Examine how different kinds of questions can be used to identify and clarify information, ideas and possibilities (VCCCTQ021) Consider the importance of giving reasons and evidence and how the strength of these can be evaluated (VCCCTQ021)	Part 1: Brainstorming local problems Part 2: Choosing a problem to solve	In small groups, students brainstorm problems that could be making local people, house and other community assets vulnerable to the impacts of bushfire hazards. Groups share the factors they have identified to create a class list. Students evaluate the class list to identify relevant and authentic problems of major interest and concern. Students select one problem to focus or for their project and provide reasons for their choice.
	Identify the characteristics of an effective team and develop descriptions for particular roles including leadership, and describe both their own and their team's performance when undertaking various roles (VCPSCS0032)	Part 3: Forming project teams Part 4: Identifying	Students from project teams based on the problems they have chosen to focus on for their project. Students identity and characteristics of effective teams and develop criteria the can use to assess their own an
	local people, houses and other community assets vulnerable to the impacts of bushfire hazards • select a relevant and authentic problem to focus on for their project • form project teams based on the problems they have chosen • identify the characteristics of an	identify problems that could be making local people, houses and other community assets vulnerable to the impacts of bushfire hazards select a relevant and authentic problem to focus on for their project form project teams based on the problems they have chosen identify the characteristics of an effective team identify the characteristics of an effective team of the problems they have chosen feeting the problems they have chosen in effective team and even the problems they have chosen in effective team and even the problems they have chosen in effective team and develop descriptions for perticular roles including leadership, and describe both their own and their team's performance when undertaking	identify problems that could be making local people, houses and other community assets vulnerable to the impacts of bushfire hazards select a relevant and authentic problem to focus on for their project form project teams based on the problems they have chosen identify the characteristics of an effective team in the problems that the problems they have chosen in the problems that the problem







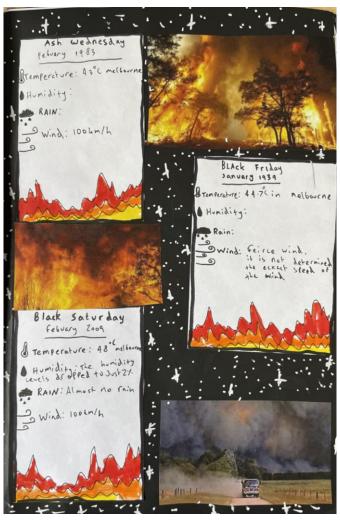






Learning Journals











Student showcase



Teacher reflections



I knew straight away that it was going to work.



We've always had a strong connection with the CFA, but we've had no-one in the school since COVID. We've had less connection to the community and parents. But since the showcase and having you here, it's building that momentum. I would say that CFA is a big part of our community. It's great to see them back.

It covered loads of curriculum. There was reading, writing, science, maths, geography, indigenous perspectives, sustainability, art, digital technology.

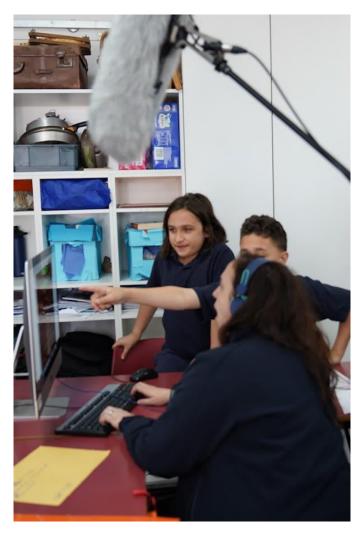
The more we understand, the more knowledge we gain. [We can] ease some of that fear and anxiety.



Next Steps

- Relationships and partnerships
- Capability and capacity
- Monitoring, evaluation and research











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