

## The STEMCrAfT Project: Science, Technology, Engineering and Mathematics Critical Appraisal for Teachers

### Do you want to help transform STEM teaching in Australia? We need your input!

We are inviting rural and remote STEM teachers in Western Australia who are less experienced and /or teaching STEM out of field to participate in a workshop to validate the draft STEM Framework developed by Tasmanian STEM teachers. The Framework is a decision making tool that facilitates the critical appraisal of STEM resources, thereby assisting in building the capacity of rural, regional and remote primary and junior secondary teachers in the areas of mathematics and science education. The workshop will be held on **Friday April 4, 2014** at Edith Cowan University. It is a federally funded (Australian Department of Education) project.

This project is led by Professor Sue Kilpatrick, Pro Vice-Chancellor (Students) and Associate Professor Sharon Fraser from the School of Education at the University of Tasmania.

### Project purpose and outcomes

This is the second stage of the project. In the first stage, a draft Framework was developed to assist teachers to analyse, critique, and evaluate STEM resources. The Framework was developed and evaluated collaboratively to encompass contextual differences and be consistent with the national mathematics, science, and technology curricula. The aim of the Framework is to assist teachers who are not mathematics, science or technology experts. Further outcomes will include mathematics, science, and technology resources that rate highly on the Framework, and supporting materials that school and curriculum leaders (e.g., lead and highly accomplished teachers) can use when leading professional learning to support teachers to use the framework effectively.

### Workshop aim

The aim of this second workshop is to validate the draft Framework in the rural and remote Western Australian context in order to develop the tool so that it may be nationally applicable. The workshop aims to attract rural and remote out of field (STEM) teachers in Western Australia. It will include expert STEM teachers from Tasmania, university STEM academics and industry experts involved in the development of the Framework.

# STEMCRAFT PROJECT

SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS

## Workshop content

- ◇ Unearthing the issues impacting on STEM teaching
- ◇ Discussion on trialing the STEM Framework
- ◇ Collaborative enhancement of the Framework to address WA conditions

## Workshop venue

Edith Cowan University, Mount Lawley campus

## Workshop date

**Friday April 4, 2014**

**Please note:** The project is funded to pay for travel, up to two nights accommodation, meals and up to two days teaching relief costs.

## Project participants

- ◇ 10 rural or remote Western Australia (out of field) STEM teachers
- ◇ 2 rural or remote Western Australia expert STEM teachers
- ◇ Teachers teaching up to and including Grade 10, with an emphasis on Grades 5 - 8.

Please return the completed form by **Friday, 31 January, 2014** to:

Email: [Suzanne Crowley](#) or [Melissa Verschuren](#)

Mail:

Faculty of Education,  
University of Tasmania,  
Locked Bag 1307,  
Launceston TAS 7250

Fax: 03 6324 3048

If you have any queries regarding the project please email Suzanne or Melissa, or call them on **03 6324 3268**

Thank you



Associate Professor  
Project Leader  
Faculty of Education

**Title****First name****Last name****School name****Position** (class and/or role)**Airport with connection to Perth****Education Region**

Goldfields

Kimberley

Midwest

Pilbara

South west

**Years of experience teaching****Years of experience teaching STEM****Grade level teaching****Subject area trained in****STEM subject area (s) teaching:** Science

Technology

Engineering

Maths

**Address****Phone****Email****I will require****Accommodation** 1 night

2 nights

**My School will require reimbursement for teaching relief**

1 day

2 days

Dietary considerations (please let us know of any allergies, vegetarian, gluten free or other requirements)

Vegetarian

Vegan

Dairy free

Gluten free

Allergic to

Other (please note)