Extending Mathematical Understanding (EMU) Specialist Teacher Course Ballarat 2012

Is your school looking for ways to support students who are experiencing difficulty in learning mathematics in the early years and beyond? Do you see benefits in having one or more specialist mathematics teachers in your school with expertise and leadership in mathematics learning and teaching?

Australian Catholic University (Ballarat Campus) offers a practical, research-based, six-day course for Specialist Teachers focusing on identifying and assisting students who are mathematically vulnerable through a specialised intervention program, and within classroom support.

The Extending Mathematical Understanding Specialist Teacher course is based on the research, classroom experience and professional development leadership of Dr Ann Gervasoni (left), the work of the Early Numeracy Research Project team, and the ongoing research, experience and professional development leadership of Linda Parish (right), Ann Downton, Carole Alexander, Kate Bevan, Carole Livesey, and Kelly Watson.

The 2012 Ballarat Course will be conducted by Linda Parish at Australian Catholic University Ballarat Campus beginning in February 2012

Course Outline and Requirements
The Specialist Teacher Course involves a minimum of 25 hours field-based learning and a six-day spaced learning program at ACU National (Aquinas Campus) 1200 Mair St, Ballarat. The field-based learning component involves participants planning and implementing an EMU Program at their school (5 x 30 minute sessions per week) throughout the year. The six day professional learning program involves workshops, data analysis and reviewing video excerpts and/or ‘behind-the-screen’ sessions. Professional interaction, critical reflection, associated discussion and professional reading are other important aspects of the program.

Program Content Includes:
- understanding the distinctive nature of learning mathematics for students who are mathematically vulnerable;
- using data from the Early Numeracy Interview/Mathematics Assessment Interview to identify students who are vulnerable and to prioritise children for placement in an intervention program;
- diagnosing individual learning needs;
- ongoing monitoring and assessment of mathematical learning;
- planning and implementing an EMU program;
- understanding the nature of number growth point barriers and the nature of learning required to move beyond these barriers;
- strategies for accelerating the learning of underperforming students in counting, place value, addition, subtraction, multiplication and division;
- the role of children’s confidence and attitude in learning mathematics;
- the role of metacognition and reflection in learning;
- the role of families, communities and culture in enhancing mathematical learning.
Strategies for Providing Specialised Assistance Discussed Throughout the Course

- small group specialised withdrawal program implemented by a specialist teacher;
- individual specialised withdrawal program implemented by a specialist teacher; and
- classroom program supplemented by an individual mathematics learning plan developed by a specialist teacher and the classroom teacher.

Components of a typical EMU Session

Typically, each EMU session is structured to include 10 minutes of learning activities and instruction focusing on quantity (counting and place value), 15 minutes of rich learning activities focusing on problem-solving in addition and subtraction, multiplication and division contexts, and 5 minutes individual and group reflection about the key mathematical ideas that were noticed during the session. A home task is also provided.

Cost: $1980.00 per person. This is inclusive of GST and includes registration fee, morning tea, lunch, notes, and a range of resources. All fees are non-refundable for cancellations.

Where: ACU (Ballarat Campus), 1200 Mair Street, Ballarat

When: 9.00am to 3.30pm on the following dates: Thursday 16 February and Friday 17 February, Thursday 15 March and Friday 16 March, Friday 25 May, Friday 20th July, 2012.

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Registration Form/ Tax Invoice

(for GST purposes this will become a Tax Invoice when paid in full).

Australian Catholic University (ACU) ABN 15 050 192 660  1200 Mair St, Ballarat VIC 3065

Registration and Payment by Direct Credit: Please send a copy of this Registration Form/Invoice to: Linda Parish, ACU, PO Box 650 Ballarat VIC 3350.

Bank Details:
Account Name: ACU General Account
BSB Number: 082-451
Account Number: 506 966 793
Bank: National Australia Bank
Branch: 20 The Boulevard, Strathfield NSW 2135
Reference Participant Name/School/Gervasoni, A P2089

Registration and Payment by cheque: Please send a copy of this Registration Form/Invoice with a cheque for $1980.00 per person made payable to “ACU Ltd” and addressed to: Linda Parish, Australian Catholic University, PO Box 650 Ballarat 3350.

Inquiries Email: Linda.Parish@acu.edu.au

Where:
ACU (Ballarat Campus), 1200 Mair Street, Ballarat

When:
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Places are limited. A letter acknowledging confirmation of registration will be emailed. Please keep original invoice for GST accounting

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Qualifications: Participants must have a B.Ed Degree or equivalent with a minimum of 2 years classroom experience

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<td>Applicant’s Signature:</td>
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Principal’s Endorsement:
I endorse this application and understand that successful course completion requires the applicant to participate in all 6 professional learning days, and to conduct the EMU Program daily throughout the year for a minimum of 10 weeks (25 hours), but ideally for 20 weeks or more.

Principal’s Name: ___________________________ Principal’s Signature: ___________________________ Date: _______

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