

Mathematics: Fundamentals of Best Practice

Event Overview:

The focus Mathematics: Fundamentals of Best Practice is to support classroom teachers in their proficiency and understanding of evidence based practices that will support and enhance student learning.

The three day program will support participants to:

- articulate how data directly influences explicit learning and teaching of mathematics
- develop an understanding of the learning trajectory in essential mathematical concepts with a particular emphasis on place value
- demonstrate proficiency in their classroom practices
- network with colleagues

Who can participate?

This three day program will address the skills and competencies required of teachers who are teaching in Foundation – Year 6. The program has been designed to build the capacity of all teachers but would ideally suit beginning teachers or those returning to a mathematics classroom. It will clearly focus on the **fundamental understanding and skills** that are required in order for teachers to build greater proficiency in the teaching of mathematics.

How the program will be structured:

The program will be conducted by CEOB staff over three individual days that will span the first three school terms of 2017.

The content will include:

- Unpacking of the Mathematics Assessment Interview
- Data analysis and interpretation
- A focus on Assessment of and for learning
- Administration of Common Formative assessments
- Planning for instruction and differentiation
- Strategies for choosing appropriate learning experiences
- Explicit instruction in the structure of the Mathematics session e.g. learning intentions and success criteria
- Documentation support

The program has been designed to:

Build the capacity of teachers around explicit mathematics planning and instruction using the researched and evidenced based best practices.

What is expected of participants?

- Register and attend ALL days of the professional learning
- Engage in self - reflective practices including coaching conversations, professional reading, classroom demonstration or observation and ongoing feedback
- Complete and maintain in between module tasks and be prepared to share practice (video of a strategy or success or a challenge around place value)
- Maintain a portfolio that contains mathematics assessments, planning documents, data sets in between module tasks, self - reflections and personal goal setting etc.
- Present their learning to the school leadership team or staff group in a way that articulates and demonstrates:
 - How has your knowledge and practice changed?
 - How this learning impacted on student outcomes?

What is required of the principal?

- Nominate and/or approve participants for this professional development
- Ensure release is available to attend the three professional learning days
- Provide time for the participant to be coached by CEOB staff in the school setting
- Ensure participant is aware of all requirements
- Meet regularly with the participant to discuss their ongoing learning

What you can expect from the CEOB:

CEOB staff will provide:

- Professional Learning days that will have rigour and integrity around data driven instruction for Mathematics teaching and learning
- CEOB staff will engage with each participant within the school and classroom environment in a coaching capacity (frequency of this will be determined by the number of participants) providing regular feedback and goal setting.
- Meet with principals to ensure that expectations of CEOB staff and participants are met.

Registration:

Registration for this program will be available [online](#) and will close on November 30th 2016.

Registration implies that participants have the full support as outlined of their school principal.

The early close off date will enable CEOB to determine the actual number of participants and the location of these participants which will support us in determining the number of programs that will be run next year and where.

Adherence to this closure date should make it possible to provide all participants with actual program dates and locations by Friday December 2nd.

Endorsement

Leigh Mitchell