

## 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 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.

### **2019 Dates:**

- Day 1 19<sup>th</sup> February  
Day 2 2<sup>nd</sup> May  
Day 3 24<sup>th</sup> July

### **How will the program be structured?**

The program will be conducted by CEOB staff over three individual days that will span the first three school terms of 2019.

The content will include:

- Unpacking of the Mathematics Assessment Interview, NAPLAN and PAT M data
- 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 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 can you expect from the CEOB?**

CEOB staff will provide:

- Professional Learning days that will have rigour and integrity around data driven instruction for Mathematics learning and teaching
- 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 the principal to ensure that expectations of CEOB staff and participants are met.

**Registration:**

Registration will be available [online](#) early in the 2019 school year. Registration implies that participants have the full support, as outlined, of their school principal.

**Endorsement:**

Leigh Mitchell