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## Desiree Gilbert, Educational Consultant, AISSA

### 2019 Saturday morning professional development workshop descriptions

#### **New: Operating with Numbers**

Sat 2 March 2019

This workshop will explore ways that we can:

- engage our young children in additive and multiplicative thinking
- develop a deep understanding of the meaning and use of the four basic operations.

The Australian Curriculum Mathematics will be referenced as we explore and engage in learning experiences focussed on building the connection between dramatic, physical, diagrammatic and verbal forms of problems and the symbolic representations of them.

This workshop is designed for teachers of early years students (F-3).

Please note: a focus will be given to additive thinking and problem solving based on addition and subtraction. Depending on demand, a second session focussing on multiplicative thinking may be offered later in the year.

#### **Repeated: Exploring the building blocks of early years maths (Years F-2)**

Sat 11 May 2019

This practical workshop will focus on early number concepts including counting, partitioning, whole number, part number, patterning and early strategies for mental computation.

We will explore key number concepts and engage in learning experiences that develop understanding and build confidence.

#### **New: Where to now? Using assessment for and as teaching in the early years mathematics classroom.**

Sat June 15 2019

"In classrooms, formative assessment refers to frequent, interactive assessments of student progress and understanding to identify learning needs and adjust teaching appropriately." It "... promotes higher levels of student achievement ... and improved learning to learn skills" (OECD/CERI International Conference, 2018)

The workshop will focus on using formative assessment to assess student understanding, knowledge and skills and plan next steps in their learning. Elements of effective task design will be embedded into this workshop as we explore ways to gather evidence of student learning, provide feedback and design learning and teaching lesson sequences in mathematics.

This workshop is designed for teachers of early years students (F-3).

#### **Repeated: Measurement: Building conceptual understanding (Years F-2)**

Sat August 3 2019

Building a conceptual understanding of measurement and using hands-on and engaging learning experiences to enhance and differentiate learning will be the focus for this workshop.

Participants will have the opportunity to engage in:

- The Australian Curriculum: Mathematics and explore concepts of measurement
- Focussed learning experiences to develop understanding in measurement
- Exploring learning experiences that focus on the purpose, attributes and the tools of measurement.
- Learning experiences that are differentiated, hands-on and focus on developing understanding and fluency, problem solving and reasoning
- Strategies for reflection