



I'm a teacher, get
me OUTSIDE here!

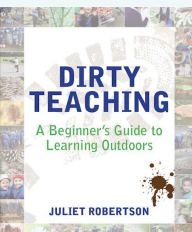


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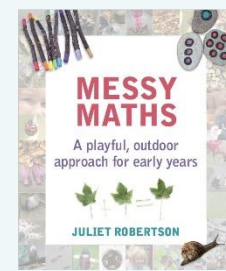
Messy Maths: An Outdoor and Playful Approach



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European Union
European Social Fund
Operational Programme Employment



Maths is about making connections between...

Language

Symbols



Concrete materials

Pictorial
representations

Haylock & Cockburn, 2017

Research also suggests that young children can become more mathematically confident when we use

- Scripts (*stories, songs, rhymes*)
- Embodied maths (*learning with the whole body*)
- Mathematical schema (*building on what you know*)



Everything children do is mathematical



When a child is climbing a tree, what maths is she using?

We can build maths into our everyday routines



1 bag hangs on 1 peg. This is one-to-one correspondence

Self-registering



- The board has numbers
- The children put their name disk on the board in the correct order
- It helps develop their understanding of ordinal numbers

The attributes of boots



- Each child has one pair of boots.
- The boots can be counted in two's OR in pairs.
- We can play games where we describe the attributes of boots
- We can talk about the position of boots on a shelf

Going for a walk



- 1 metre stick
- Child leading the group can have the stick
- It's important to help estimate and measure the depth of a puddle

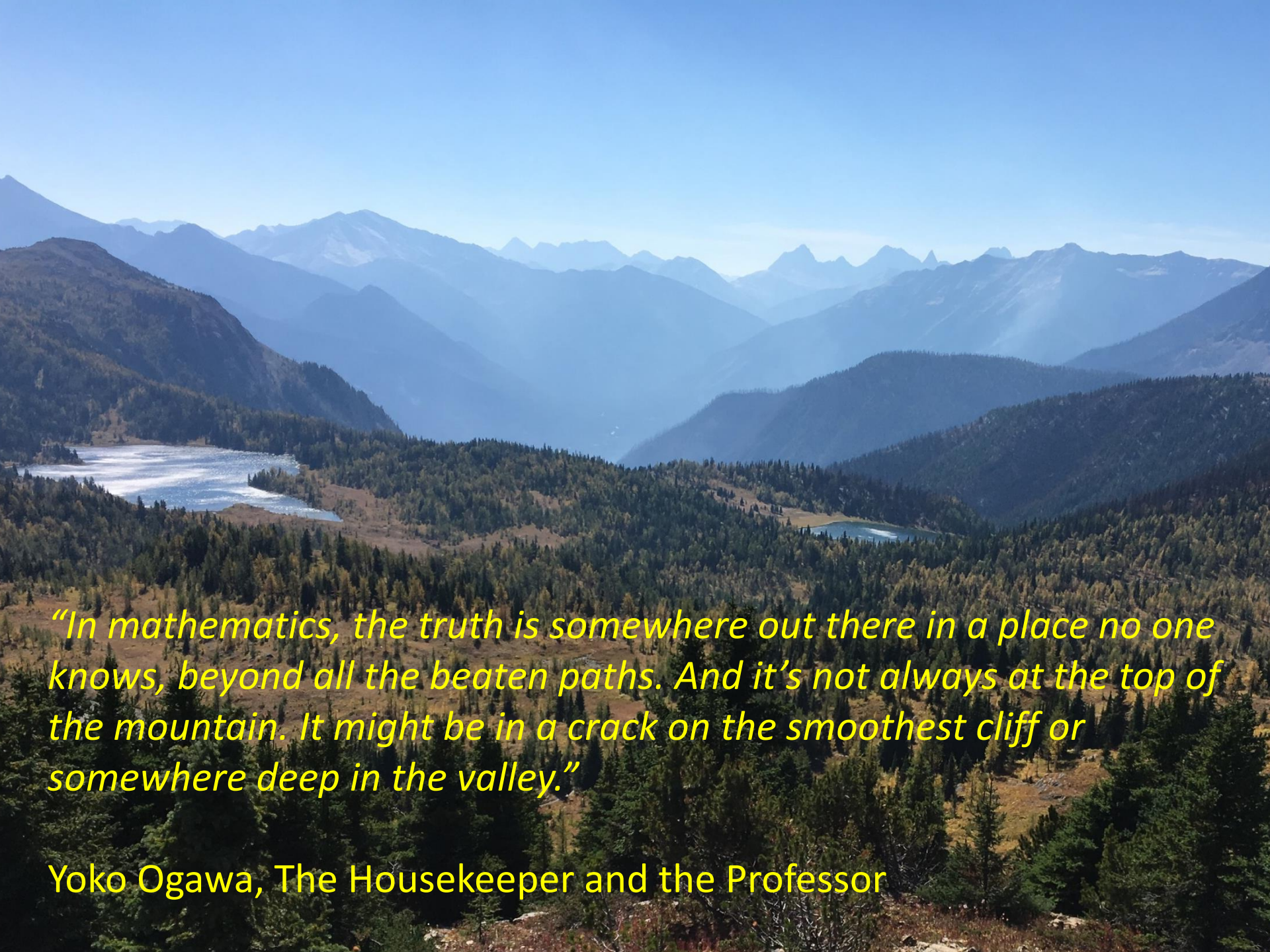
Maths in your pocket



Nature challenges us to think in different ways



There are maths possibilities in every place if we look and think carefully



“In mathematics, the truth is somewhere out there in a place no one knows, beyond all the beaten paths. And it’s not always at the top of the mountain. It might be in a crack on the smoothest cliff or somewhere deep in the valley.”

Yoko Ogawa, *The Housekeeper and the Professor*

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