

Title Imagining an excellent mathematics for middle years

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Abstract

Imagine having a mathematics curriculum that would be a *delight* to teach. It's not easy, given where we are today! The activities would need to be appealing and rewarding for all of the students in our classes. When the mathematics is challenging and develops advanced understandings, there would have to be access points for even the weakest students whose engagement in the task would fill in missing understandings and skills. And our assessment? It would feed directly our desire to understand how our kids learn, and what stands in the way, so that we could succeed with every single one, encouraging rather than daunting. There *are* activities that point the way, and principles to help us develop more.