**Mathematics teaching practice**

(from <https://www.education.vic.gov.au/school/teachers/teachingresources/discipline/maths/Pages/teaching-practices-and-supports.aspx>)

Mathematics teaching practice works best when it:

* draws on a range of important mathematical content
* is engaging for students
* caters for a range of levels of understanding
* is successfully undertaken using different methods or approaches
* provides a measure of choice or openness, leading to a sense of student agency
* actively involves students in their own learning
* shows how mathematics can help make sense of the world
* makes appropriate and effective use of technology
* allows students to make connections between the concepts they have learned
* draws students attention important aspects of mathematical activity
* helps teachers decide what help students may need.

(Charles Lovitt and Doug Clarke (2011) A Designer Speaks: The features of a rich and balanced mathematics lesson: Teacher as Designer).