

Book Review

Mathematical Thinking in the Lower Secondary Classroom.

Edited by Christine Hopkins, Ingrid Mostert & Julia Anghileri.

Cambridge University Press, 2016.

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It is really easy to develop resources, but to have something that can help teach the understanding of Maths is rare to come by and this book delivers in this important area. It gives a clear guide on the important concepts and gives lesson structures for professional development and lesson ideas to follow on for the classroom with the idea of developing a deep understanding of content at its core.

The book is a fantastic guide to introducing important topics not only to the learners, but also to enhance teaching methods. Because the book addresses the teaching of topics, not just the resources, it gives students a much deeper understanding of topics - like the use of algebraic notations - as well as acting as a reminder for those who are experienced in (or new to) teaching the topics, refreshing their ideas as well as developing new approaches.

As a classroom teacher the book has given me more ideas on how to deliver key topics as well as providing some teaching resources backed up with further online teaching ideas. As someone responsible for developing other's teaching, the book has helped me not only with my own classroom practice but also when leading professional development. It has also aided other colleagues leading a course for Maths Teaching Assistants and helped ensure that students of all abilities can understand the fundamentals of maths.

In a department with a range of experience in teaching and of maths subject knowledge Mathematical Thinking has helped all who have had the opportunity to use it.