

by ncetm 3 months ago

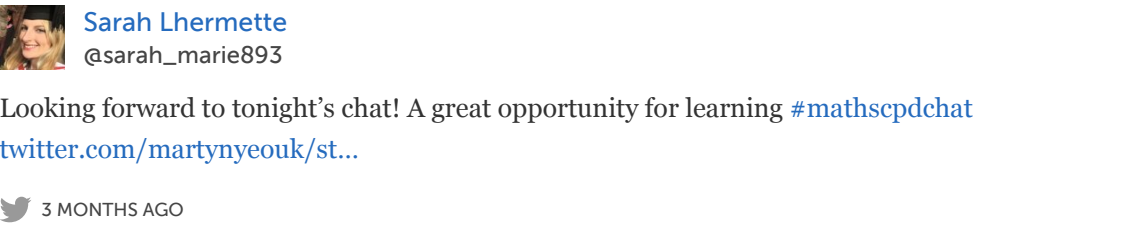
# Books about teaching maths: which have really helped you and why?


Summary of the #mathscpdchat discussion hosted by @martynyeouk on 9 January 2018




Evening everyone! Tonight we are discussing books about teaching maths that you have used. Don't forget #mathscpdchat and no polls please! [pic.twitter.com/MqUmTW2K9A](https://pic.twitter.com/MqUmTW2K9A)

 MARTYN @MARTYNYEOUK · 3 MONTHS AGO

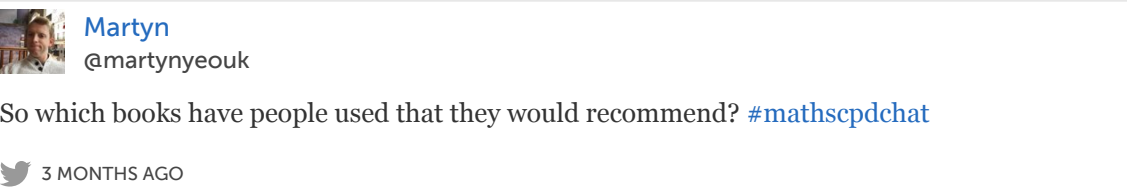



 Sarah Lhermette @sarah\_marie893

Looking forward to tonight's chat! A great opportunity for learning #mathscpdchat [twitter.com/martynyeouk/st...](https://twitter.com/martynyeouk/st...)


 3 MONTHS AGO

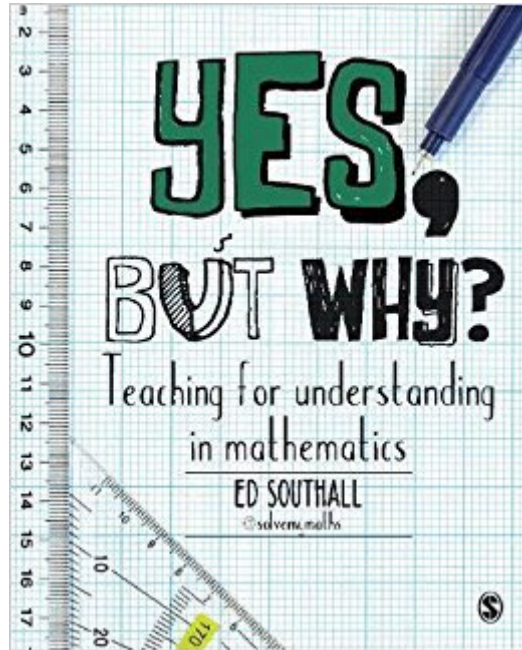
Which books would you recommend?



 Martyn @martynyeouk

So which books have people used that they would recommend? #mathscpdchat

 3 MONTHS AGO



Anyone heard of this book by [@solvemymaths](#)??? [#mathscpdchat](#) [@stevejmcc](#)  
[pic.twitter.com/8EGjGxgRP3](https://pic.twitter.com/8EGjGxgRP3)

MARTYN [@MARTYNYEOK](#) · 3 MONTHS AGO



**Martyn**

[@martynyeouk](#)

[@solvemymaths](#) [@stevejmcc](#) [@mathscpdchat](#) What would you say is the best advice in this book? [#mathscpdchat](#)

3 MONTHS AGO



**Maths Teacher**

[@MathsTeacherKYP](#)

[#mathscpdchat](#) For me, Malcolm Swan's Collaborative Learning in Mathematics stands out. Does his intro to the Standards Unit count as a book? Concise, practical.  
[ncetm.org.uk/files/224/impr...](https://ncetm.org.uk/files/224/impr...)

3 MONTHS AGO



**Martyn**

[@martynyeouk](#)

[@MathsTeacherKYP](#) What have you learnt from it? [#mathscpdchat](#)

3 MONTHS AGO

## Better Mathematics

The Low Attainers in Mathematics Project (LAMP) was one of three post-Cockcroft, Department of Education and Science (DES) studies related to low attainers. The Project was based at the Mathematics Centre, West Sussex Institute of Higher Education (WSIHE).

The Project aimed to develop and encourage 'good practice' in mathematics teaching. At the time of the report the work was still ongoing as development was taking place in the classrooms of some 2000 teachers throughout six local authorities with students across the age and ability range.

The work undertaken by teachers deliberately focused on improving students' achievement, attitudes, confidence and interest in mathematics. They were released from their teaching commitments on one day a week for a year which enabled them to engage in even greater reflection, experimentation and evaluation of their own classroom practice. This research was supported by substantial 'case study' writing produced by each of them over a period of two years.

The recommendations for action and the statements made are careful distillations of these experiences. The report was an invitation to those concerned with education at all levels to experiment, discuss, debate, strengthen and refute as a result of their own experiences.

Specific concerns such as the problem of girls and mathematics, and the use of computers in mathematics, important as they were, did not emerge as different in essence from the Project's general concern to improve the quality of students' mathematics. Computers brought a wealth of new possibilities to the mathematics classroom.

The Report is presented in a dialogue style with quotations which are not simply illustrative. They contain important points and in many ways may be considered the main part of the text. Each chapter of the report considers a major focus and emphasis of the Project's work, and concludes with a summary, outlining the situation at present and recommendations for action and aims to some extent to be self-contained.

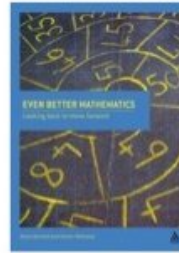
As an 'oldie' I would still recommend 'Better Mathematics' which I found was a great help when I first started teaching [#mathscpdchat](#) You can find it at [stem.org.uk/resources/elib...pic.twitter.com/tO2zBmJ4f5](http://stem.org.uk/resources/elib...pic.twitter.com/tO2zBmJ4f5)

 MARY PARDOE @PARDOEMARY · 3 MONTHS AGO

## Even Better Mathematics

### Looking back to move forward

By: Afzal Ahmed, Honor Williams



 See larger image

Published: 21-11-2007  
Format: PDF eBook (Watermarked)  
Edition: 1st  
Extent: 112  
ISBN: 9781855395459  
Imprint: Network Continuum Education  
RRP: £19.99

Please note that ebooks are subject to tax and the final price may vary depending on your country of residence.

Delivery & Returns

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Tell others about this book



### About Even Better Mathematics

Based on a project involving extensive classroom-based action research, this is an important book that looks at how teachers can improve students' achievement, attitudes, confidence and interest in mathematics. Suitable for those concerned with mathematics education at all levels.



**Martyn**

@martynyeouk

@PardoeMary Thanks for the link...why was this so useful to you? [#mathscpdchat](#)

 3 MONTHS AGO



**Martyn**

@martynyeouk

This has been recommended by @MathsladyScott [#mathscpdchat](#) [twitter.com/mathsladyscott...](https://twitter.com/mathsladyscott...)

 3 MONTHS AGO



**Craig Barton**

@mrbartonmaths

Forgot to add [#mathscpdchat](#) sorry! [twitter.com/mrbartonmaths/...](https://twitter.com/mrbartonmaths/...)

 3 MONTHS AGO



**Martyn**

@martynyeouk

Thanks for this @mrbartonmaths [#mathscpdchat](#) [twitter.com/mrbartonmaths/...](https://twitter.com/mrbartonmaths/...)

 3 MONTHS AGO

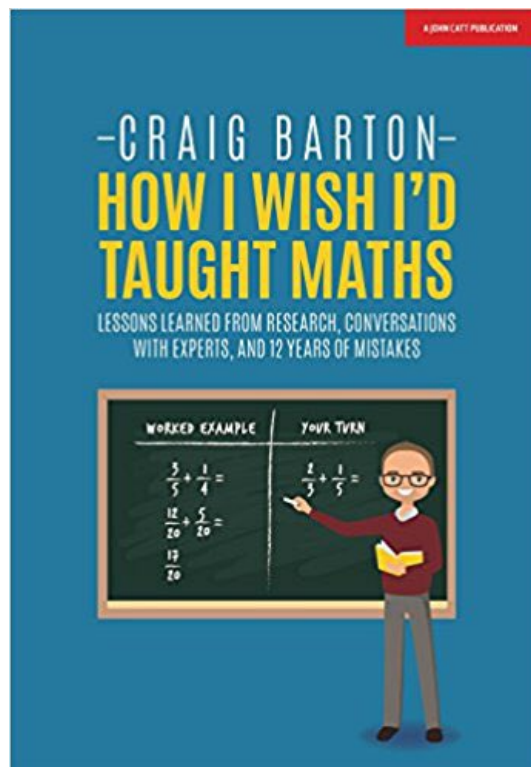
[I]n our culture of mathematics, an all-too-common approach is to state the assumptions, state the theorems, prove the theorems, and stop. Any questions? What makes this approach so ineffective is that it answers questions the student hasn't thought to ask... If you want someone to follow your mathematical disquisitions voluntarily — or better yet, happily — you have to help him or her love the questions you're asking.

— Steven Strogatz (2014)

*Writing About Math for the Perplexed and the Traumatized,*  
*Notices of the American Mathematical Society* 61, pp286–291.

@martynyeouk #mathscpdchat | For me, influences often come from readings not necessarily about teaching, but that nonetheless somehow spark the creativity in me to help students if not love at least like the questions I ask (@stevenstrogatz [bit.ly/2zv6cKP](https://bit.ly/2zv6cKP) [read.bi/2aWC3Vq](https://read.bi/2aWC3Vq))...  
[pic.twitter.com/383J7leFFd](https://pic.twitter.com/383J7leFFd)

 MATHS ED @MATHSEIDEAS · 3 MONTHS AGO



This is the new book just about to come out by @mrbartonmaths . #mathscpdchat @stevejmcc  
[pic.twitter.com/PZwu6UuGSa](https://pic.twitter.com/PZwu6UuGSa)

 MARTYN @MARTYNYEOUK · 3 MONTHS AGO





**Mary Pardoe**  
@PardoeMary

@martynyeouk It 'opened-my-eyes' to effective ways (that I might not yet have thought of) of interacting with pupils. #mathscpdchat



3 MONTHS AGO



**Maths Teacher**  
@MathsTeacherKYP

@martynyeouk #mathscpdchat Was expecting that! I think, through encountering Swan's work and the Standards Unit, (and Susan Wall as well) the most impactful aspect has been considering multiple representations whenever I'm planning/teaching. Generally, just made me think!



3 MONTHS AGO

It may be very hard to *define* mathematical beauty, but that is just as true of beauty of any kind — we may not know quite what we mean by a beautiful poem, but that does not prevent us from recognizing one when we read it.

— GH Hardy (1940)

*A Mathematician's Apology*

@martynyeouk #mathscpdchat | GH Hardy's 'A mathematician's Apology' — [plus.maths.org/content/node/6](https://plus.maths.org/content/node/6)... A seminal call to remember that there is #PoetryInMathematics, and that \*encouraging\* such an aesthetic appreciation of the discipline in our students matters... [pic.twitter.com/fJld2fsylE](https://pic.twitter.com/fJld2fsylE)



MATHS ED @MATHSEIDEAS · 3 MONTHS AGO



**Martyn**  
@martynyeouk

@MathsTeacherKYP Always a good thing to stretch your own thinking! #mathscpdchat



3 MONTHS AGO



**Ed Southall**  
@solvemymaths

#mathscpdchat [twitter.com/solvemymaths/s...](https://twitter.com/solvemymaths/s...)



3 MONTHS AGO



**Maths Teacher**  
@MathsTeacherKYP

@PardoeMary @martynyeouk #mathscpdchat Yes, I remember that!



3 MONTHS AGO



**Martyn**  
@martynyeouk

Really great to hear...#mathscpdchat [twitter.com/solvemymaths/s...](https://twitter.com/solvemymaths/s...)



3 MONTHS AGO



**Craig Barton**  
@mrbartonmaths

@martynyeouk I love the diverse range of recommendations from my guests, both in terms of topic area and year of publication. I'm working my way through them all and learning loads #mathscpdchat



3 MONTHS AGO

It is not enough to believe that  
something works, that it is a good way  
to proceed, or even that it is true.  
We need to know *why* it's true.  
Otherwise, we won't know anything at all.

— Ian Stewart (2007)

*Letters to a Young Mathematician*. Hachette UK.

@martynyeouk #mathscpdchat | @JoatStewart's lovely 'Letters to a young mathematician' — [ams.org/notices/200705...](https://ams.org/notices/200705...) An 'update' of sorts to Hardy's apology that helps me treat my students as mathematicians in the making... [pic.twitter.com/Q2MYHgPTHr](https://pic.twitter.com/Q2MYHgPTHr)



MATHS ED @MATHSEIDEAS · 3 MONTHS AGO

**Martyn**

@martynyeouk

@mrbartonmaths Which has made the biggest impact on you so far? #mathscpdchat



3 MONTHS AGO

The paradoxical conclusion  
is that it would be very unlikely  
for unlikely events not to occur.

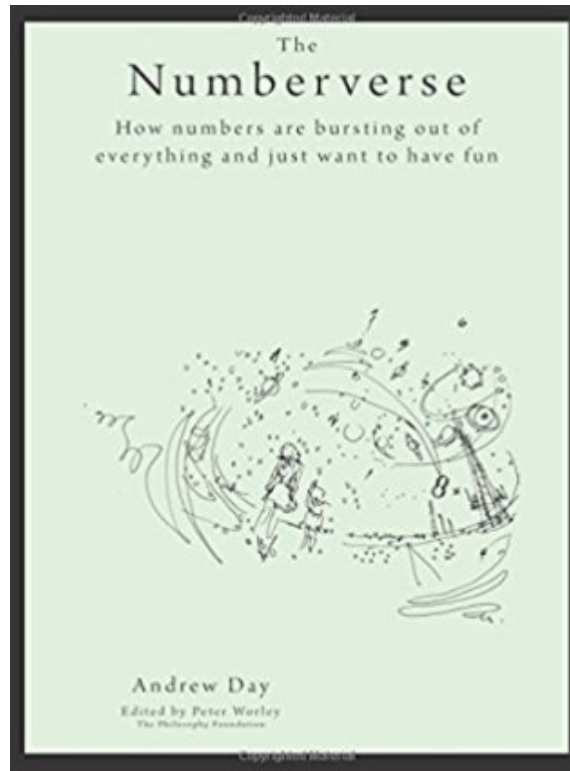
— John Allen Paulos (1988)

*Innumeracy: Mathematical Illiteracy and Its Consequences*

@martynyeouk @JoatStewart #mathscpdchat | @JohnAllenPaulos' 'Innumeracy: Mathematical Illiteracy and Its Consequences' — [penguin.co.uk/books/25979/in....](https://penguin.co.uk/books/25979/innumeracy/) A book that made me pause — about the depth of my teaching, and about what it means to be innumerate...  
[pic.twitter.com/yfaO0KoXga](https://pic.twitter.com/yfaO0KoXga)



MATHS ED @MATHSEDIDEAS · 3 MONTHS AGO



[@martynyeouk](#) Too many! Love this one for a starter...introduced to me through our [@GNMH\\_MathsHub](#) Mastery forum...Lovely to dip in and out of with lots of gems! [#mathscpdchat](#) [pic.twitter.com/HybRdRPKFX](https://pic.twitter.com/HybRdRPKFX)

LAURA TULLOCK [@MRS\\_TULLOCK](#) · 3 MONTHS AGO



**Craig Barton**  
[@mrbartonmaths](#)

And forgot the hashtag again! I'll get use to this Twitter one day [#mathscpdchat](#) [twitter.com/mrbartonmaths/...](https://twitter.com/mrbartonmaths/)

3 MONTHS AGO





@martynyeouk @JoatStewart @JohnAllenPaulos #mathscpdchat | The ideas of #CAME (Cognitive Acceleration In Mathematics) #ThinkingMaths influenced my pedagogy profoundly, mainly in that it made me think about it, about #CognitiveConflict, #ZPD — [bit.ly/2h3Mo5g](https://bit.ly/2h3Mo5g) @HeinemannPub [pic.twitter.com/5JPvIANJbH](https://pic.twitter.com/5JPvIANJbH)

 MATHS ED @MATHSEIDEAS · 3 MONTHS AGO



**Martyn**  
@martynyeouk

Great recommendation from @mrbartonmaths Dont forget #mathscpdchat [twitter.com/mrbartonmaths/...](https://twitter.com/mrbartonmaths/)

 3 MONTHS AGO



**Ed Southall**  
@solvernmaths

@martynyeouk @stevejmcc @mathscpdchat It's not so much a guide to teaching, but more of a subject knowledge enhancement book. But there are some teaching ideas to help develop understanding too. #mathscpdchat

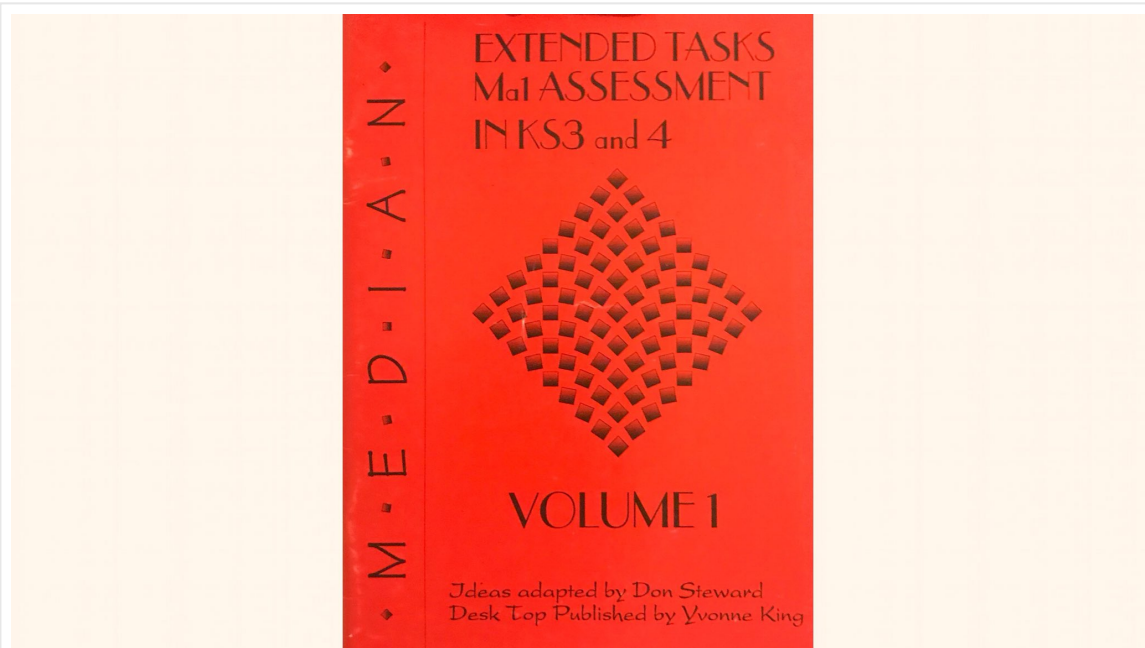
 3 MONTHS AGO



**Martyn**  
@martynyeouk

@mrs\_tullock @GNMH\_MathsHub What is it about this one that makes it so good? #mathscpdchat

 3 MONTHS AGO



[@martynyeouk](#) [@JoatStewart](#) [@JohnAllenPaulos](#) [@HeinemannPub](#) [#mathscpdchat](#) | Don Steward's 'Extended Tasks...'. The great man gave me this at the end of my PGCE. Put the problem at the centre of your thinking, structure and gradate from there. And of course \*the\* best maths teaching blog out there [donsteward.blogspot.co.uk/?m=1...](http://donsteward.blogspot.co.uk/?m=1...) [pic.twitter.com/rNyTxZAOA2](https://pic.twitter.com/rNyTxZAOA2)

MATHS ED [@MATHSEDIDEAS](#) · 3 MONTHS AGO

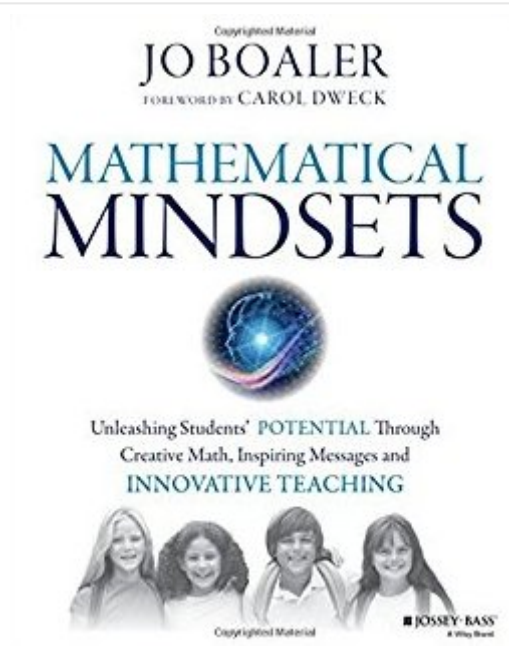


**Martyn**

[@martynyeouk](#)

[@solvemymaths](#) [@stevejmcc](#) [@mathscpdchat](#) Always useful to improve subject knowledge [#mathscpdchat](#)

3 MONTHS AGO



[@martynyeouk](#) This has also been influential in changing approaches to maths mindset across our whole school community [#mathscpdchat](#) [@joboaler](#) [pic.twitter.com/2zG9hxvpLs](https://pic.twitter.com/2zG9hxvpLs)

LAURA TULLOCK [@MRS\\_TULLOCK](#) · 3 MONTHS AGO



**Martyn**

[@martynyeouk](#)

[@MathsEdIdeas](#) [@JoatStewart](#) [@JohnAllenPaulos](#) [@HeinemannPub](#) Thank you so much for all these recommendations! [#mathscpdchat](#)

3 MONTHS AGO

Notwithstanding the many factors that can sometimes make it difficult, even seemingly impossible, to teach effectively some students, every good teacher knows there is built into this transaction the *possibility* that it will realize something for the better.

— David Halpin (2003)

*Hope and Education: The Role of the Utopian Imagination*

@martynyeouk @JoatStewart @JohnAllenPaulos @HeinemannPub #mathscpdchat | David Halpin's 'Hope and Education: The Role of the Utopian Imagination' — [taylorfrancis.com/books/e/9781113...](http://taylorfrancis.com/books/e/9781113...), see also [infed.org/mobi/hope-utop....](http://infed.org/mobi/hope-utop....) Whilst not about maths teaching, this was a call to arms of sorts for me educatively, politically and relationally... [pic.twitter.com/oSVwtSaD6z](https://pic.twitter.com/oSVwtSaD6z)

 MATHS ED @MATHSEDIDEAS · 3 MONTHS AGO



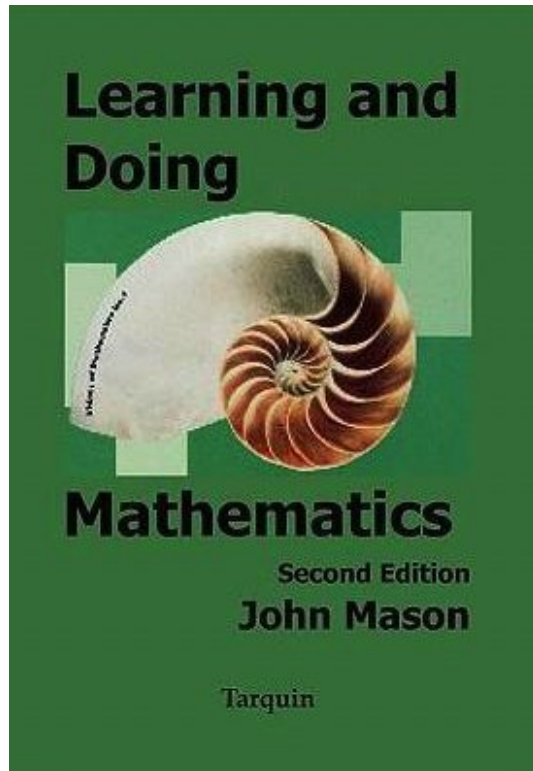
Martyn

@martynyeouk

#mathscpdchat [twitter.com/oldandrewuk/st...](https://twitter.com/oldandrewuk/st...)

 3 MONTHS AGO





As I became more experienced another book that was very helpful was 'Learning and Doing Mathematics' by John Mason. It is here: [amazon.com/Learning-Doing...](https://www.amazon.com/Learning-Doing...) [#mathscpdchat pic.twitter.com/ZzYfNqP3KO](https://pic.twitter.com/ZzYfNqP3KO)

 MARY PARDOE @PARDOEMARY · 3 MONTHS AGO



**Jim Noble**  
@teachmaths

[#mathscpdchat en.m.wikipedia.org/wiki/A\\_Mathema...](https://en.m.wikipedia.org/wiki/A_Mathema...) supports me in the sense it reminds me of things I find important

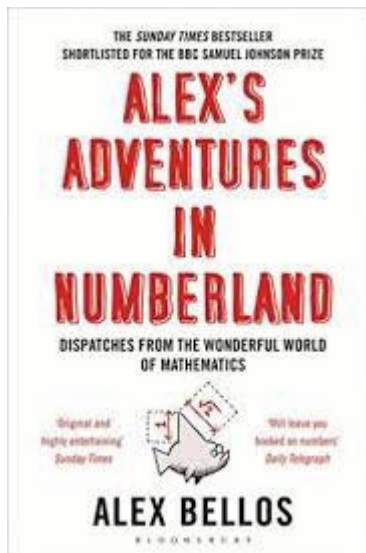
 3 MONTHS AGO



**Martyn**  
@martynyeouk

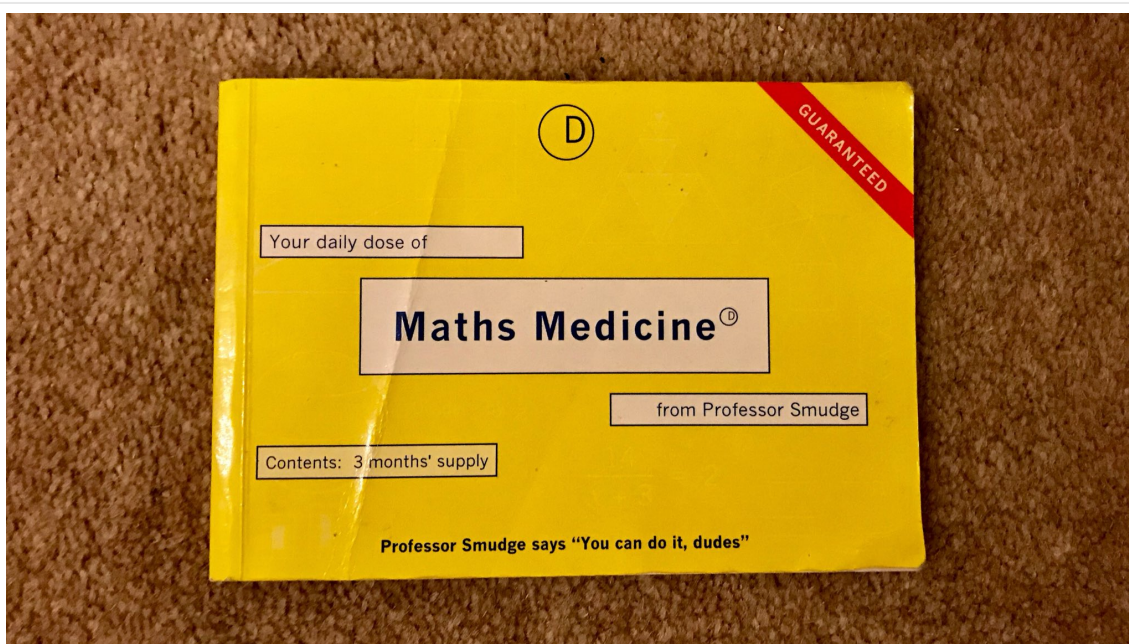
[@mrs\\_tullock](https://twitter.com/mrs_tullock) [@joboalet](https://twitter.com/joboalet) Why has this been so useful for you? [#mathscpdchat](https://twitter.com/mathscpdchat)

 3 MONTHS AGO



This book helped with my subject knowledge. Have you used similar? [#mathscpdchat](#)  
[pic.twitter.com/HmiWa3aSC0](https://pic.twitter.com/HmiWa3aSC0)

MARTYN @MARTYNYEOK · 3 MONTHS AGO



[@martynyeouk](#) [@JoatStewart](#) [@JohnAllenPaulos](#) [@HeinemannPub](#) [#mathscpdchat](#) [@ProfSmudge](#)  
 'maths medicine' — [mathsmed.co.uk](https://mathsmed.co.uk). Rarely out of my back pocket as an NQT. Just fantastic...  
[pic.twitter.com/Ca3RSsWCB1](https://pic.twitter.com/Ca3RSsWCB1)

MATHS ED @MATHSEIDEAS · 3 MONTHS AGO



@martynyeouk @mathscpdchat We found the 'how-to' books on [mathsthroughstories.org/how-to-books.h...](http://mathsthroughstories.org/how-to-books.h...) useful in helping us to better understand connections between maths and stories, and how these connections could be fostered. Of the 50+ books on the said page, the 4 books below particularly stand out for us ☐ #mathscpdchatpic.twitter.com/FHYfAG9pv0  
<https://t.co/FHYfAG9pv0pic.twitter.com/FHYfAG9pv0>  
<https://t.co/FHYfAG9pv0pic.twitter.com/FHYfAG9pv0>

MATHSTHROUGHSTORIES @MATHSSTORIES · 3 MONTHS AGO



**Martyn**

@martynyeouk

@teachmaths And what is it that you find important? #mathscpdchat

3 MONTHS AGO



**Maths Ed**

@MathsEdIdeas

@martynyeouk @JoatStewart @JohnAllenPaulos @HeinemannPub @ProfSmudge  
 #mathscpdchat | @standupmaths' 'Things to make and do in the fourth dimension' |  
 @robeastaway's 'Why do buses come in threes?' | @MarcusduSautoy's 'Symmetry' | @SLSingh's  
 'Fermat's Last Theorem' | And so many more. The point being to just read widely and  
 inspiration will follow!

3 MONTHS AGO



**Martyn**

@martynyeouk

@PardoeMary Why was this useful? #mathscpdchat

3 MONTHS AGO



Not strictly a maths book, but most examples provided are mathematical and it's just great advice that cuts through the nonsense [#mathscpdchat](#) [pic.twitter.com/KOuXzOijdg](https://pic.twitter.com/KOuXzOijdg)

 ED SOUTHALL [@SOLVEMYMATHS](#) · 3 MONTHS AGO



**Martyn**

[@martynyeouk](#)

[#mathscpdchat](#) [twitter.com/mrs\\_tullock/st...](https://twitter.com/mrs_tullock/st...)

 3 MONTHS AGO



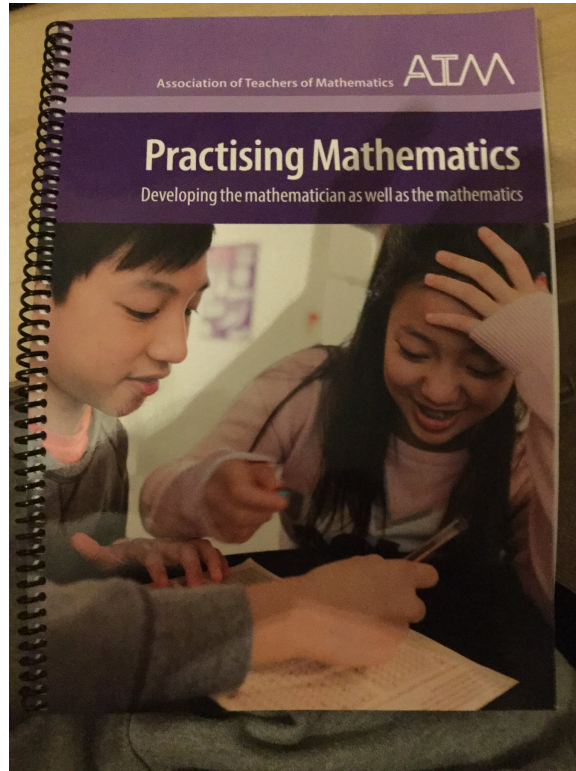
**Martyn**

[@martynyeouk](#)

[@MathsStories](#) [@mathscpdchat](#) Thank you so much! Can explain why these stood out?  
[#mathscpdchat](#)

 3 MONTHS AGO





The book I'm reading at the moment is flipping brilliant. The [@ATMMathematics](#)'s Practising Mathematics by Tom Francome and Dave Hewitt. Loads of activities along the Purposeful Practice / Mathematical Etudes lines that I discussed with [@colinfoster77](#) on the podcast [#mathscpdchat](#) [pic.twitter.com/fsBteYDxVC](https://pic.twitter.com/fsBteYDxVC)

 CRAIG BARTON [@MRBARTONMATHS](#) · 3 MONTHS AGO



**Martyn**

[@martynyeouk](#)

[@MathsEdIdeas](#) [@JoatStewart](#) [@JohnAllenPaulos](#) [@HeinemannPub](#) [@ProfSmudge](#) Why was it so good??? [#mathscpdchat](#)

 3 MONTHS AGO



**Maths Ed**

[@MathsEdIdeas](#)

[@martynyeouk](#) [@JoatStewart](#) [@JohnAllenPaulos](#) [@HeinemannPub](#) Hope someone can get something from them! [#mathscpdchat](#)

 3 MONTHS AGO



**Martyn**

[@martynyeouk](#)

This is so positive to hear [#mathscpdchat](#) [twitter.com/mrs\\_tullock/st...](https://twitter.com/mrs_tullock/st...)

 3 MONTHS AGO

**Martyn**

@martynyeouk

@mrs\_tullock @joboaler So great to hear...and all from one book! [#mathscpdchat](#)



3 MONTHS AGO

**Tes Maths**

TesMathsTesMaths

Maths ROTY 4: Fractions Mastery is a superb lesson for looking at fractions in depth  
[#mathscpdchat](#) [ow.ly/xwT13ohxD5p](#)



3 MONTHS AGO

**Martyn**

@martynyeouk

[@solvemymaths](#) That's great to hear - with time being so short you need something that gets to point! [#mathscpdchat](#)



3 MONTHS AGO

**Martyn**

@martynyeouk

[#mathscpdchat](#) [twitter.com/teachmaths/sta...](#)



3 MONTHS AGO

**Martyn**

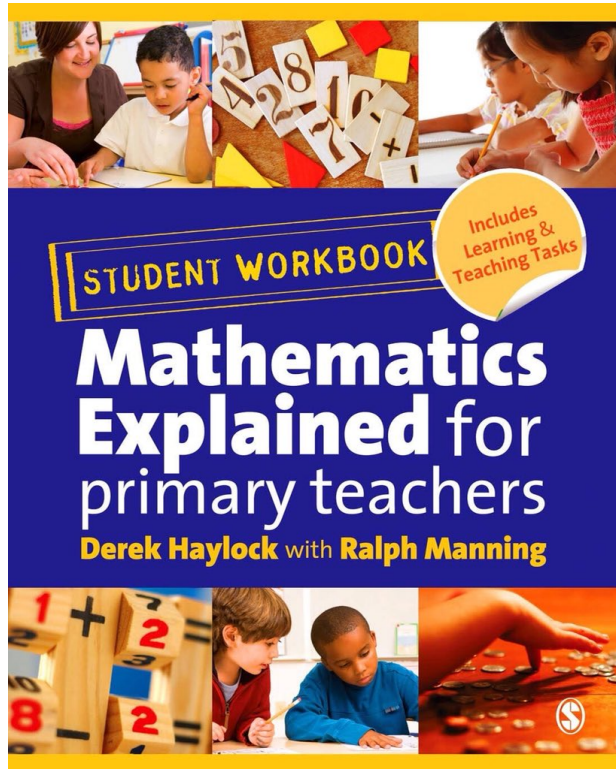
@martynyeouk

Just over halfway on our [#mathscpdchat](#) about books that have helped your teaching. Keep the recommendations coming and don't forget the hashtag :)



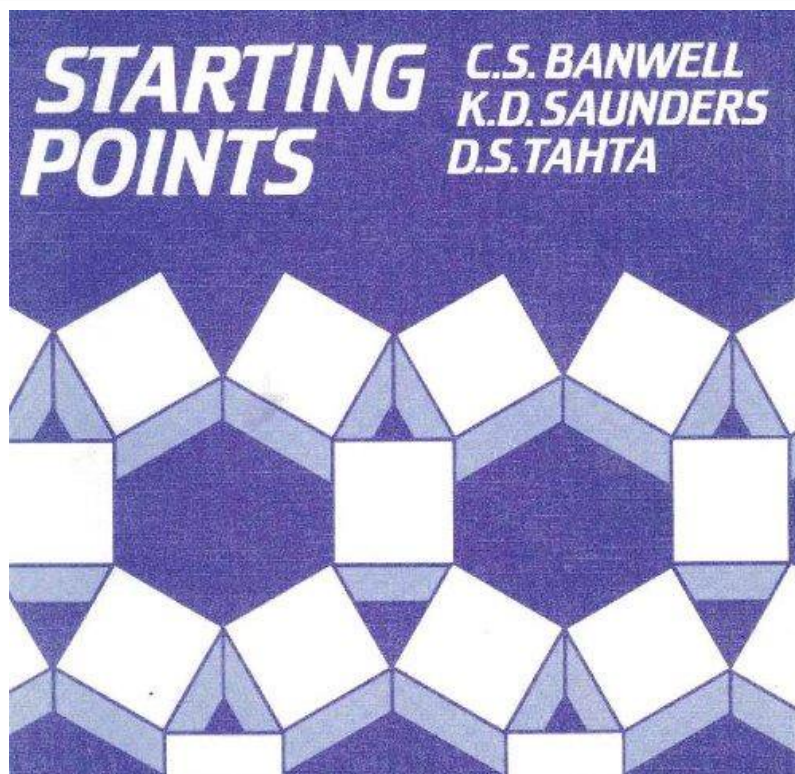
3 MONTHS AGO

Recommendations for students or NQTs?



Any recommendations for students or NQTs? [#mathscpdchat](#) [pic.twitter.com/mXUGHkgWbs](https://pic.twitter.com/mXUGHkgWbs)

MARTYN @MARTYNYEOK · 3 MONTHS AGO



When I was first teaching I used 'Starting Points' all the time. The photos are now dated, but most of the ideas are still very useful. It is here: [abebooks.co.uk/97809062125116...](https://abebooks.co.uk/97809062125116...) [#mathscpdchat](#) [pic.twitter.com/vvUo8VarNN](https://pic.twitter.com/vvUo8VarNN)

MARY PARDOE @PARDOEMARY · 3 MONTHS AGO

**Martyn**

@martynyeouk

@PardoeMary That looks great! What age group would you recommend it for? #mathscpdchat



3 MONTHS AGO

**dannytybrown**

@danieltybrown

@PardoeMary Thirded... #mathscpdchat



3 MONTHS AGO

**dannytybrown**

@danieltybrown

@PardoeMary Seconded... this book is unlike anything else, from the great Dick Tahta  
#mathscpdchat @MichaelOllerton



3 MONTHS AGO

Here's a crowd-sourced list with reasons...

**Jim Noble**

@teachmaths

crowd sourced this list 'books about maths and its teaching a few years ago  
[docs.google.com/spreadsheets/d/...](https://docs.google.com/spreadsheets/d/...) People have given a reason why. open for all to add  
#mathscpdchat



3 MONTHS AGO

**Martyn**

@martynyeouk

Another great recommendation for #EYFS who can get forgotten! #mathscpdchat  
[twitter.com/solvemymaths/s...](https://twitter.com/solvemymaths/s...)



3 MONTHS AGO

**dannytybrown**

@danieltybrown

Those who know me may be unsurprised to hear me say The Discipline of Noticing by  
@JohnMOxford... although not about \*maths\* teaching, it can be #mathscpdchat



3 MONTHS AGO



**Martyn**

@martynyeouk

[@teachmaths](#) Wow! What an extensive list! Thanks! Any you would highly recommend?  
[#mathscpdchat](#)



3 MONTHS AGO

**dannytybrown**

@danieltybrown

Mathematically, I'm a big fan of Malcolm Swan's 'Collaborative Learning', + anything by Watson, Mason, Gattegno, ... [#mathscpdchat](#)



3 MONTHS AGO

**Mary Pardoe**

@PardoeMary

[@danieltybrown](#) What is your 'First' Danny? [#mathscpdchat](#) I'd love to know!



3 MONTHS AGO

**Martyn**

@martynyeouk

[#mathscpdchat](#) [twitter.com/mathsstories/s...](https://twitter.com/mathsstories/s...)



3 MONTHS AGO

**Martyn**

@martynyeouk

[@MathsStories](#) [@mathscpdchat](#) That is so important in books for teachers [#mathscpdchat](#)



3 MONTHS AGO

**dannytybrown**

@danieltybrown

Brent Davis 'A sound alternative' is very good, as is 'Being Alongside' by [@AlfColes](#)  
[#mathscpdchat](#)



3 MONTHS AGO

**dannytybrown**

@danieltybrown

[@PardoeMary](#) Discipline of Noticing, not mathematical but, you know... [#mathscpdchat](#)



3 MONTHS AGO

**Martyn**

@martynyeouk

@danieltybrown @JohnMOxford How do you think it could help with maths teaching?  
#mathscpdchat



3 MONTHS AGO

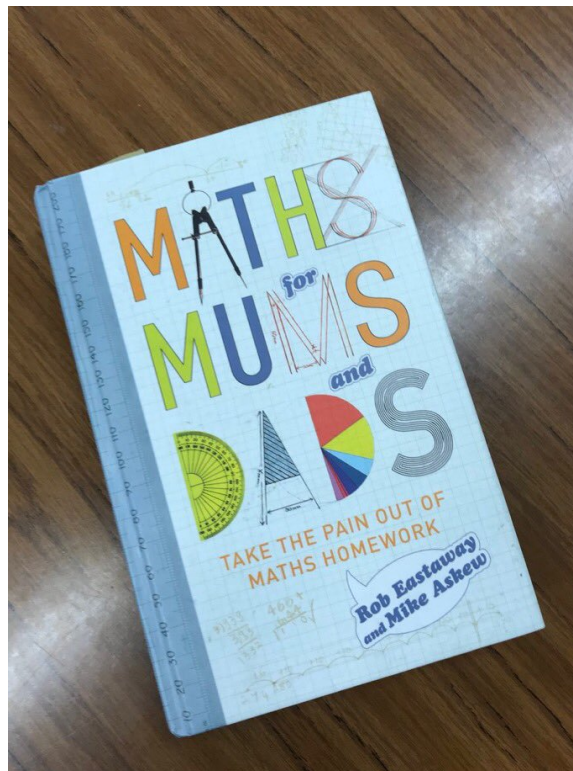
**Sarah Lhermette**

@sarah\_marie893

This one I am going to have to put in my tool bag 📁 for next year #NQT #mathscpdchat  
[twitter.com/mathsedideas/s...](https://twitter.com/mathsedideas/s...)



3 MONTHS AGO



Almost at the end now... Any other recommendations even for parents? I've used this...#mathscpdchat [pic.twitter.com/5wTp256nGQ](https://pic.twitter.com/5wTp256nGQ)



MARTYN @MARTYNYEOUK · 3 MONTHS AGO

**Mary Pardoe**

@PardoeMary

Secondary, mainly KS3 (possibly 4), but also there are unusual (but really effective) starting points that would be good in KS2. #mathscpdchat [twitter.com/martynyeouk/st...](https://twitter.com/martynyeouk/st...)



3 MONTHS AGO

**Maths Ed**

@MathsEdIdeas

@martynyeouk @JoatStewart @JohnAllenPaulos @HeinemannPub @ProfSmudge Lovely little problems, not just to use with students, but moreover that made me think about how my own teaching could get students to think. #mathscpdchat

3 MONTHS AGO

**Martyn**

@martynyeouk

#mathscpdchat [twitter.com/teachmaths/sta...](https://twitter.com/teachmaths/status/958444444444444444)

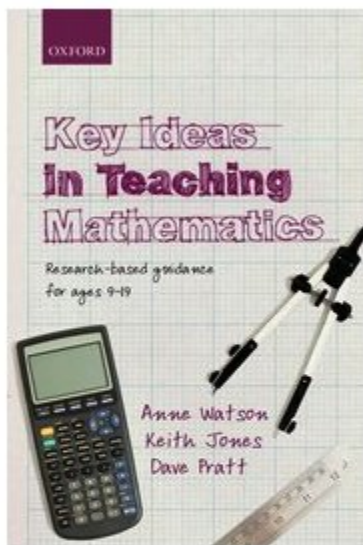
3 MONTHS AGO

**Martyn**

@martynyeouk

@teachmaths @robeastaway @mathscpdchat @mikeaskew26 Great to know! #mathscpdchat

3 MONTHS AGO



## Key Ideas in Teaching Mathematics

Research-based guidance for ages 9-19

**Anne Watson, Keith Jones, and Dave Pratt**

- A resource for understanding the key ideas in school mathematics for students aged 9 to 19
- Quick links to classroom tasks throughout the book via a website for practitioners, developed with the Nuffield Foundation
- Written by ex-school teachers who are active researchers and stay in close contact with teachers and schools
- Summarises research so that readers can base their work on up-to-date knowledge about learning
- Extensive bibliography

Recently (last few years) 'Key Ideas in Teaching Mathematics' has been extremely useful: [global.oup.com/academic/produ...](https://global.oup.com/academic/produ...) #mathscpdchat [pic.twitter.com/QDVOQ5XoP6](https://pic.twitter.com/QDVOQ5XoP6)

MARY PARDOE @PARDOEMARY · 3 MONTHS AGO



**Em Bell**  
@EL\_Timbre

I <3 MY OLD BOOKS =) [#mathscpdchat](#)



3 MONTHS AGO

Following this discussion, has anyone seen a book they want to get their hands on?



**Martyn**  
@martynyeouk

So last 5 minutes - has anyone seen a book that they want to get their hands on following tonight's discussion? [#mathscpdchat](#)



3 MONTHS AGO



**Martyn**  
@martynyeouk

@El\_Timbre Any one in particular? [#mathscpdchat](#)



3 MONTHS AGO

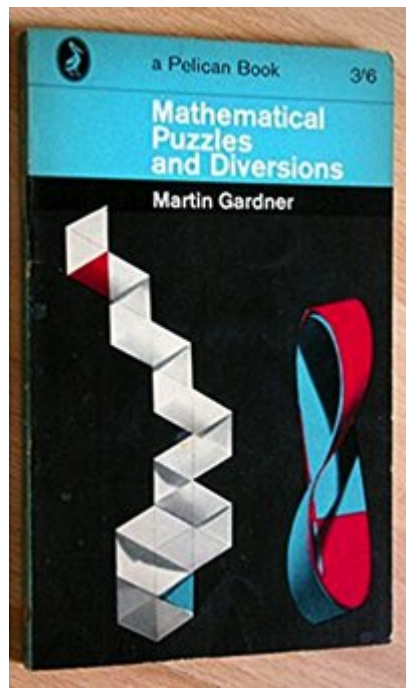


**Em Bell**  
@EL\_Timbre

This is why I love my old books [#mathscpdchat](#) [twitter.com/El\\_Timbre/stat...](https://twitter.com/El_Timbre/status/988888888888888888)



3 MONTHS AGO



Martin Gardner still provides loads of ideas! [#mathscpdchat](#) [pic.twitter.com/FEhT3UUIGh](https://pic.twitter.com/FEhT3UUIGh)



MARY PARDOE @PARDOEMARY · 3 MONTHS AGO





So many great recommendations tonight! Thank you for all your contributions and dont forget to find the thread with [#NCETM](https://twitter.com/NCETM) [#mathscpdchat](https://twitter.com/mathscpdchat) [pic.twitter.com/8u0BJJNvc3](https://pic.twitter.com/8u0BJJNvc3)

 MARTYN [@MARTYNYEOK](https://twitter.com/MARTYNYEOK) · 3 MONTHS AGO



**Mary Pardoe**  
[@PardoeMary](https://twitter.com/PardoeMary)

Many thanks to Martyn [@martynyeouk](https://twitter.com/martynyeouk) for great hosting, and to all for very varied ideas. [#mathscpdchat](https://twitter.com/mathscpdchat) Read all tomorrow at: [ncetm.org.uk/resources/41729](https://ncetm.org.uk/resources/41729)

 3 MONTHS AGO



**dannytybrown**  
[@danieltybrown](https://twitter.com/danieltybrown)

Ah yes, thanks Rachel [#mathscpdchat](https://twitter.com/mathscpdchat) ps hi! [twitter.com/DrRLofthouse/s...](https://twitter.com/DrRLofthouse/s...)

 3 MONTHS AGO



**Craig Barton**  
[@mrbartonmaths](https://twitter.com/mrbartonmaths)

[#Maths](https://twitter.com/Maths) ROTY 4: Fractions Mastery is a superb lesson for looking at fractions in depth [#mathscpdchat](https://twitter.com/mathscpdchat) [ow.ly/ZFo83ogPCvd](https://ow.ly/ZFo83ogPCvd)

 3 MONTHS AGO



**Heather Massey**  
@HeatherMassey2

[#mathscpdchat](#) on 16 January, when the topic will be: 'Teaching money management skills: is it the job of teachers? If so, how best to do it?' I look forward to seeing you there



3 MONTHS AGO