



Slice of Advice 2019

SKETCHNOTE SUMMARY by CHARLOTTE HAWTHORNE @MrsHawthorneMaths

Working for excellent people makes you raise your game



ADAM BOXER @adamboxer1



Putting evidence to work

1. Explore
2. Prepare
3. Deliver
4. SUSTAIN ← TOUGH BUT IMPORTANT

ALEX QUIGLEY @HuntingEnglish

METACOGNITION



The impact on longer-term learning when students reflect deeply

AMIR AREZOO @workedgechaos

About LEARNING ~~VS~~

PERFORMANCE

...and the implications for school leaders

ANDREW PERCIVAL @PrimaryPercival

Not rushing to 'cover' the SOW

slow

Trying not to talk while the pupils are working

ANDY LUTWYCHE @andylutwyche

Moving schools is hard!

ASK for / accept help Find the bright spots keep change small

BEN GORDON @mathsmrgordon

FEEDBACK... a structured sheet which looks personal but is just whole class feedback. Also... 'Item response theory'

BEN ROONEY @benjrooney

Recommends... OPEN QUESTIONS by Marian Small...

$$\square \text{ is } \frac{2}{3} \text{ of } \square$$

...and COUNTING COLLECTIONS BERKELEY EVERETT @berkeleyeverett

Use popular maths books to capture the interest and imagination in class Don't forget the MAGIC of maths

BOBBY SEAGULL @Bobby_Seagull

DIAGNOSTIC QUESTIONS

TIP for designing

Ask a question and collect all responses to easily find misconceptions

CHRIS McDONALD @chrismcd53

PUPIL BOOK TALKS



Guided but informal, books will cue memories

CLARE SEALY @ClareSealy

EXAMPLE-PROBLEM PAIRS Varying the type: Giving the full example Faded / missing parts Incorrect examples comparing methods

DAN PEARCY @DanielPercy

Using booklets and lesson sheets aid planning and delivery students like them, helps with organisation

DAN RODRIGUEZ-CLARK @interactmaths

Inspired by variation theory to make small changes to practice and notice the impact on students

DAVID WEES @davidwees

"I've learned to be much more skeptical that human beings have any insight in to their own learning process"

DYLAN WILLIAM @dylanwilliam

TAKE A BREAK

There's always going to be more to learn, about maths education but don't forget the other stuff too.

ED SOUTHALL @solvemymaths

READING

Making every maths lesson count by Emma McCrea Education Endowment Foundation reports on 'Putting evidence to work' and 'Metacognition' Books by Rob Eastaway, Bobby Seagull, Eugenia Cheng, Ian Stewart