Subject	Year	Month	
Mathematics	7	Sept/Oct	Balcarras *From strength to strength*

Topic:

NUMERACY TOOLBOX
17 LESSONS

Content (Intent)

Prior Learning
KS2 curriculum
Please watch: https://www.resourceaholic.com/2021/12/what-secondary-teachers-should-know.html

Future Learning
The idea is that the topics covered in this term will be needed as a strong foundation throughout the whole of KS3.

Objectives
- Sequences: filling the gaps, finding the nth term.
- Adding and Subtracting decimals
- Multiplying and dividing integers
- Multiplying and dividing by powers of 10
- Squares and square roots
- Cube and cube roots
- Other powers and roots
- Adding and subtracting with negatives
- Multiplying and dividing with negatives
- Order of operations
- Rounding and estimating

For teaching purposes

TEACHING FOR MASTERY:
Create a deeper understanding of topics that student think they know from primary school. But do they really master it ?
- show me that …
- explain that …
- do you know why …

DIFFERENTIATION within a mixed group: provided in the resources

Pedagogical notes (implementation)

The whole department is using the same resources for consistency. These resources are available on the Udrive.

They are based on the Shanghai method + Teaching for Mastery.

How will understanding be assessed & recorded (Impact)

Numeracy Assessment in October
End of term Assessment in February
End of Year Assessment in June/July
BAM TASK – Powers and roots
BAM TASK – Rounding and estimating

How can parents help at home?

MathsWatch clips (Qualification KS3)
A11a, A11b, A11c, N3a, N3b, N15a, N15b, N17a, N17b, N28a, N25, N19a, N19b, N20, N27a, N27b, N38, N43a, N43b

Further reading/discussion

Reading / Enrichment	Literacy	Numeracy Links	Careers Links
	Sequence, pattern, term-to-term, position-to-term, nth term, format, formula integer, decimal power, index, root increase, decrease, negatives, operations, priority, significant figures, etc.		All the skills listed will build a strong foundation towards the upcoming topics, which means the list of careers link can be very broad.