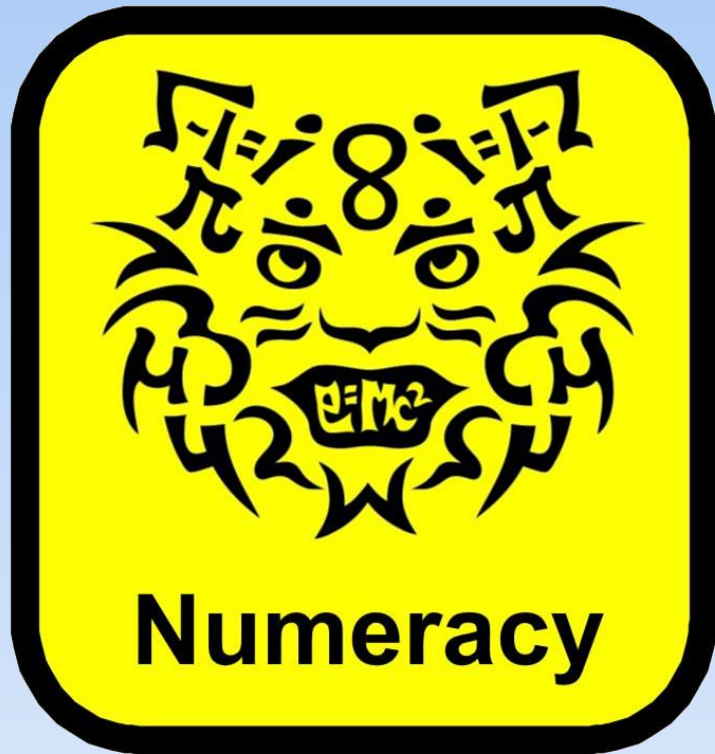


Numeracy



Why Numeracy?

“Good numeracy is the best protection against unemployment, low wages and poor health.”

Andreas Schleicher
OECD



30% wrongly assume that maths is a skill you are born with, rather than a skill that can be learnt.

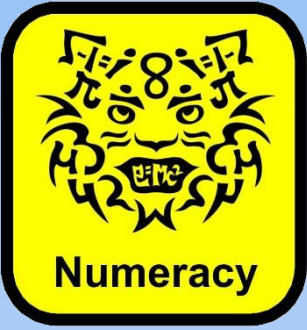
Numeracy in Tynecastle

Tynecastle's logo:
the Numeracy Tiger



The **Numeracy Tiger** is shown when numeracy is taught or applied in school.





Numeracy in the Curriculum

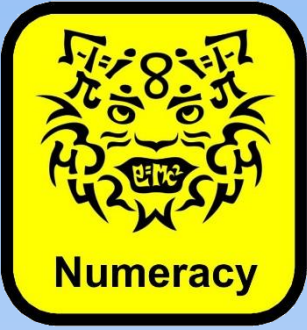


time
rounding
analysis
money
estimation
measurement
NUMERACY
percentages
chance
fractions
data
decimals
number

Curriculum Structure

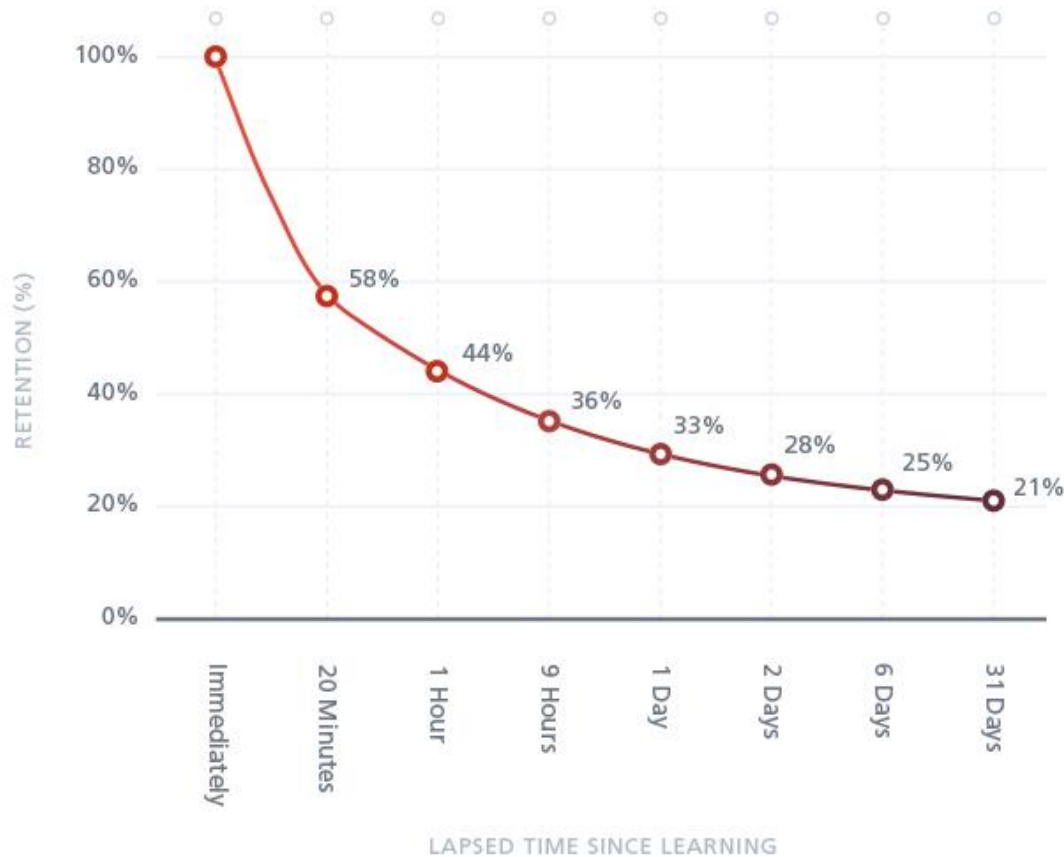
- Early Level (Nursery – P1)
- First Level (P1 – P4)
- Second Level (P5 – P7)
- Third Level (P7 – S3)
- Fourth Level (S2 – S3)

Key assessments in S3 give an indication of progress to Nationals.



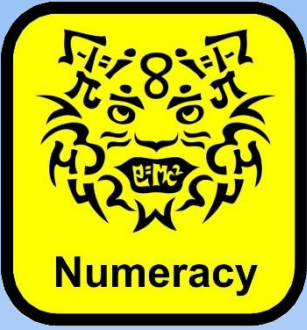
The Challenge

The Ebbinghaus Forgetting Curve



Within 1 week, we only remember 25% of what we saw or read at the start!

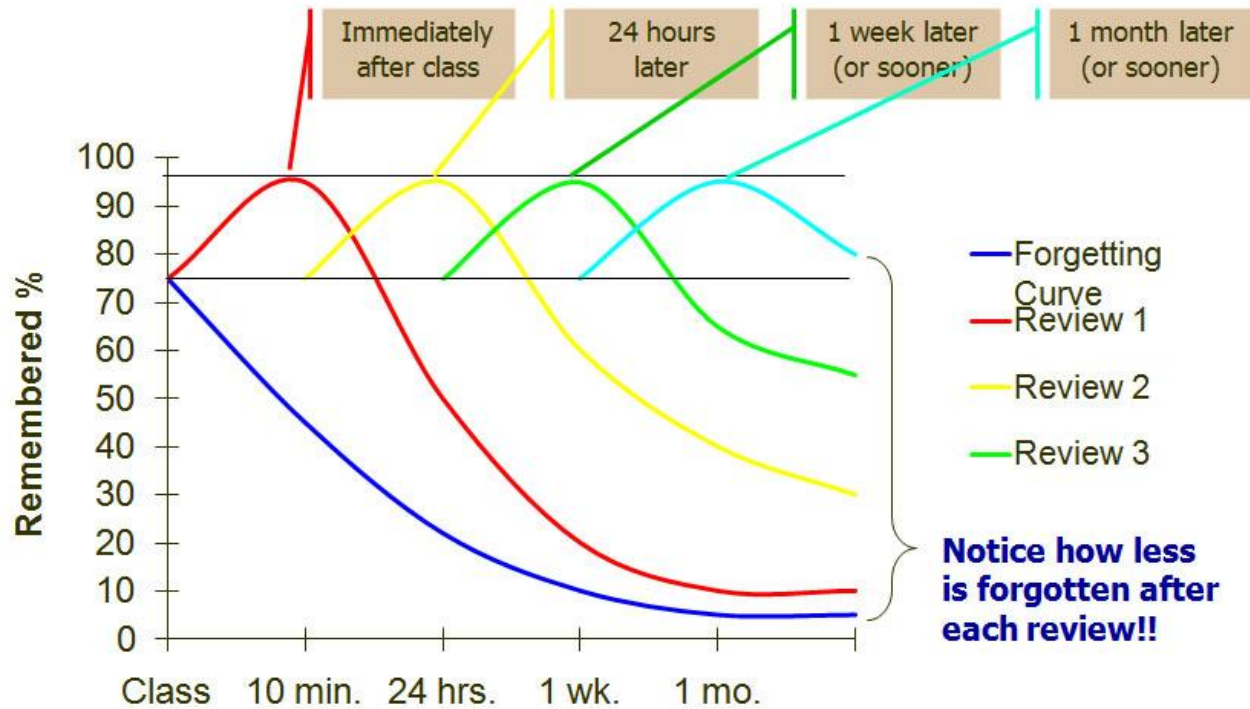
There are a significant amount of facts and techniques for your child to master while in S1 to S3.



Overcoming the Challenge



Overcoming the Curve



Committing learning to our **long term** memory by:

- Practice of work
- Looking at jotter at home
- Memorising facts (quizzes)
- Completion of homework
- Revising for assessments



How can you help at home?



- **Stay Positive.**

Try not to say things like, “I can’t do maths” or “I hated maths at school” – your child is likely to start to think like that themselves.

- **Point out Maths in everyday life.**

Involve your child in activities like shopping, budgeting, cooking, travelling plans.



Ways a Parent Can Help with **MATH**

1

Look for shapes and patterns in real life

2

Have your child measure ingredients for a recipe you are making

3

Ask your child to explain the math skills he or she is working on in school

4

When helping your child with homework or school assignments, ask him or her to explain how he or she got an answer

5

Help your child find some appropriate number and problem-solving games to play online

6

Play card or board games that involve counting or patterns

7

Ask your child to count change at the grocery store, or to estimate the total cost while you are shopping

8

Compare:

Which is the tallest?
...the heaviest?
...the longest?
...the smallest?
...the fastest?
...the hottest?
...the most expensive?

9

Have tools such as a ruler, a scale, a calculator, and a measuring tape available to use in your house

10

Encourage your child to track or graph scores or stats for a favorite sports team

11

Use dice or playing cards to make a game out of practicing math facts





How can you help at home?



- **Praise your child for effort rather than *being clever*.**
This shows them that by working hard they can always improve.
- **Fight against the forgetting curve.**
Practise numeracy regularly during the holidays.

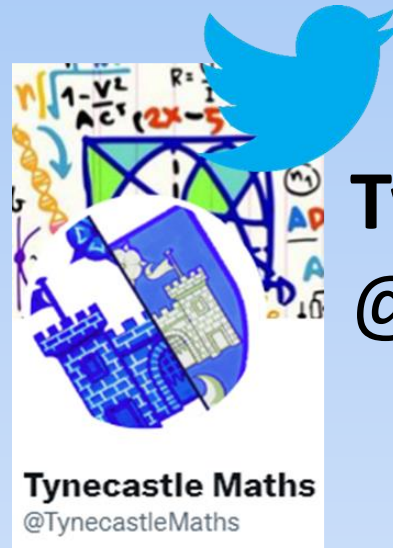


Resources



Sundog

Fun and engaging games
Great for numeracy practice



Twitter

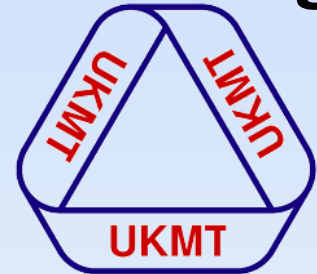
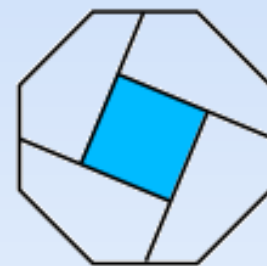
@TynecastleMaths



Microsoft Teams for classes

Class notes, exercises available

Mathematical Challenges





Numeracy Bag

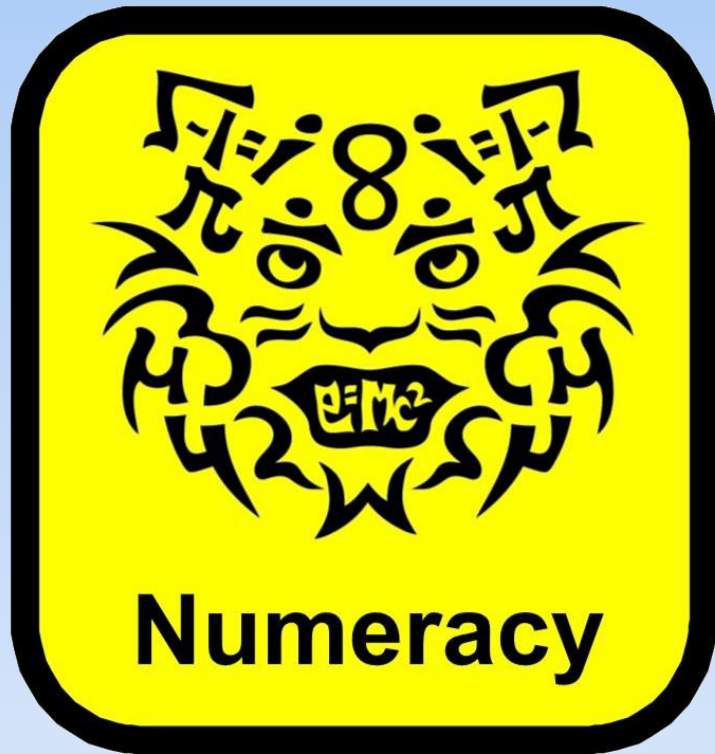


Numeracy Bag contains:

- Numeracy Booklet – Level 3
- Numeracy Questions – basic
- Pack of cards – rules for 3 games
- Websites – practice & advice
- Jigsaws – Number, Money, Time, Measurement Practice



Numeracy



Any questions?



...if there is time...



Let's try a Jigsaw

- Stay positive
- Use everyday examples
- Praise effort

