Twitter Thread by Sorcha Browne Byrne

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Hi teachers and parents ■ I have complied a short list of useful online maths tools and virtual manipulatives to assist you with distance learning. I have included the curriculum area and suggested what class group they would be most suitable for. See below! #mathschat #edchatie

This website allows you to create a graph. Useful for 5th/6th class. Children can create pie charts, bar charts, etc. adding in their own data and designing and labelling the X and Y axis themselves. Charts are easily saved.

https://t.co/IWUXBHhI1H

Online protractor. Useful for 5th/6th class. The teacher can use screen sharing to how to use a protractor. Children who do not have a protractor at home can use this to measure angles.

https://t.co/cQJ7FwxRsz

Exploring area and perimeter. Useful for 4th - 6th class. Tasks can be set to create shapes of a specific area/perimeter. There is also a game that can be used for formative assessment!

https://t.co/nwmIj7OcB5

Interactive geo-board. Useful for 1st - 6th class for exploring perimeter and area and the characteristics of shapes. Images can be saved easily to be shared with the teacher via email, screen share etc.

https://t.co/g5QAU5P9MZ

Interactive fraction wall. Useful for 3rd - 6th class. May help children who are struggling to visualise the part-whole relationship. It is also a good tool for teachers to screen-share as it can stimulate discussion around fractions.

https://t.co/cexCs7GNgM

Interactive fraction wall with percentages and decimals. Useful for 5th and 6th class. It may help students explore the relationship between fractions, decimals and percentages.

https://t.co/5PhWhy4Fsi

Halves and quarters game. Recommended for 2nd/ 3rd class. Students have to examine the visual and recognise what fraction is shaded. It can be played on a laptop, iPad or smartphone. The teacher can set the game to last for up to 10 minutes.

https://t.co/1ZOwgcgtLP

Interactive clock. Useful for 1st - 3rd class. It is a virtual manipulative useful for teaching the time. The analogue clock's hands can be moved to show different times. There is also an option to turn on the digital clock and compare the times shown.

https://t.co/vln8J76N6U

Self-correcting multiplication quizzes. 3rd class onwards. Does exactly what it says on the tin!

https://t.co/mSFq21RSKx

Interactive 100 square. Useful for 1st class onwards. Can be used as a virtual manipulative and screen-shared for group teaching. The teacher can 'hide' numbers and the students have to fill in the blanks. Useful for teaching skip counting!

https://t.co/9y5tESwk5z

Interactive clock to teach 'earlier' and 'later'. 1st/ 2nd class onwards! Students have to set a clock to show a time that is (for example) 20 minutes later than the time shown on another clock. Students can check their own answers as they go.

https://t.co/BTsCoe0Ovh

This website gives a list of interactive sites for maths games/ manipulatives, and lists them by curriculum area. Be aware that many of them require flash, which is not supported by most browsers!

https://t.co/0BLaQl9Zql

This website has some *excellent* maths puzzles which will help to develop problem-solving skills. Useful for 4th - 6th class. Students could collaborate in breakout rooms to encourage maths talk! It includes magic squares, roman numeral jigsaws, etc.

https://t.co/5owNvaFEZB

Number jigsaws. 1st/ 2nd class. Students drag the jigsaws onto a frame so that the numbers appear in order. A lot harder than it looks. Excellent for exploring number order and place value. Could be used as a warm-up activity or for early finishers!

https://t.co/5sPrXqbovT

Five a day! A personal favourite - useful for 2nd/ 3rd/ 4th class. Five new maths problems are released every day. Children can choose to do the five easiest (bronze level) or hardest (silver/gold/platinum). Questions revise all areas of the curriculum!

https://t.co/7sK57oQcgg

Junior/ Senior Infants maths games here. A really nice bus game where you count the students getting on and off the bus (sums up to 10) and a 2d shapes game!

https://t.co/8MPTfCkh8K

"Which doesn't belong?" 3rd class onwards. Children find the odd number/shape. Excellent for stimulating maths discussion that can be lost in remote learning. These are low floor, high ceiling maths tasks with many correct answers!

https://t.co/60oFaj0zxO

Problem Solving. 3rd class onwards. This website has 80 challenges which students can carry out using little/no equipment. The challenges encourage group work/family involvement & could be used as homework tasks. They are also google classroom compatible.

https://t.co/LRTv49Wz6n

Place Value. 1st/ 2nd class. Interactive dienes (base ten) blocks and an interactive abacus. May be useful to teach place value, or as an 'online' assistant for those struggling with renaming or place value who usually have blocks to help them!
https://t.co/3BoSI8qySQ

Number. Junior Infants - 6th class. This interactive number line can be used with just natural numbers e.g. 1-10, or with fractions and negative numbers! It is easily customised, saved/ shared and can be used to supplement many areas!
https://t.co/qIQOickhH4

Number. Junior Infants to first class. For teachers who are using number frames (or ten frames) with their class - this is an interactive tool which you can use for teaching addition, subtraction and exploring the story of a number.

https://t.co/IJS5hqdN8W

Renaming/ subtraction. 1st- 2nd class. These interactive dienes blocks (base ten blocks) will help all those parents/ teachers who are struggling to assist children with renaming! The next best thing to having the concrete manipulatives beside you.

https://t.co/c5Tunv9Y3c

Multiplication/Division. 3rd /4th class. This can be used to explore the associative & commutative properties of multiplication, i.e. 4 x 2 = 2 x 4, and 2 x 2 x 3 = 4 x 3. Also great for division. Would recommend using as a stimulus for group discussion!

https://t.co/SWkiNTfXxl

Number. Junior infants. What is the same and what is different? A series of images of animals/ objects, the children have to point out what is the same and what is different. Great for prompting online discussion! A favourite of mine!

https://t.co/wQgcJAm558