Y3 Maths Activity Grid

Year 3 maths skills checklist:
- ✓ I can count from 0 in multiples of 4, 8, 50 and 100.
- ✓ I can find 10 or 100 more or less than a given number.
- ✓ I can read and write numbers to 1,000 in numerals and words
- ✓ I can recall and use the multiplication and division facts for the 3, 4 and 8 tables.
- ✓ I can write and calculate mathematical statements for multiplication using known multiplication tables, including 2-digit x 1-digit, using mental and progressing to formal written methods.
- ✓ I can write and calculate mathematical statements for division using known multiplication tables, including 2-digit x 1-digit, using mental and progressing to formal written methods.
- ✓ I can estimate and read time with increasing accuracy to the nearest minute; Tell and write the time from an analogue clock, including using Roman numerals from I to XII
- ✓ I can make 3D shapes using modelling materials; recognise 3D shapes in different orientations; and describe them
- ✓ I can measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/ capacity (l/ml).
- ✓ I can measure the perimeter of simple 2D shapes.
- ✓ I can compare and order numbers up to 1000
- ✓ I can recognise the place value of each digit in a 3 digit number
- ✓ I can add and subtract numbers mentally, including: 3-digit number and ones; 3-digit numbers and tens; 3-digit numbers and hundreds
- ✓ I add and subtract numbers with up to 3 digits, using formal written methods of columnar addition and subtraction.
- ✓ I can write and calculate mathematical statements for multiplication and division using known multiplication tables, including use of money and length
- ✓ I can recognise and show, using diagrams, equivalent fractions with small denominators.
- ✓ I can recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.
- ✓ I can compare and order unit fractions, and fractions with the same denominators.
- ✓ I can add and subtract fractions with the same denominator within one whole.
- ✓ I can measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/ capacity (l/ml).
- ✓ I can interpret and present data using: bar charts; pictograms and tables
- ✓ I can read 12-hour and 24-hour clocks
- ✓ I can record and compare time in terms of seconds, minutes, hours.
- ✓ I can use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight.
- ✓ I can draw 2D shapes
- ✓ I can recognise angles are a property of shape or a description of a turn.
- ✓ I can identify right angles, recognise that two right angles make a half-turn, three make three quarters and four a complete turn
- ✓ I can identify whether angles are greater than or less than a right angle
- ✓ I can estimate the answer to a calculation and use the inverse operations to check answers.
- ✓ I can count up and down in tenths; recognise that tenths arise from dividing and object into ten equal parts and in dividing numbers or quantities by 10.
- ✓ I can add and subtract measures (length, weight and volume) with up to 3 digits, using formal written methods of columnar addition and subtraction.
- ✓ I can solve word problems including missing number problems, number facts, place value and more complex addition and subtraction.
- ✓ I can practise formal methods of multiplication and division, including a high focus on reasoning.
- ✓ I can know the numbers of seconds in a minute and the number of days in each month, year and leap year.
- ✓ I can compare durations of events, for example to calculate time taken by particular events or tasks.
- ✓ I can identify horizontal and vertical lines and pairs of perpendicular and parallel lines.
- ✓ I can solve 1-step and 2-step questions such as 'How many more?' and 'How many fewer?' using information presented in scaled bar charts pictograms and other graphs.

Choose an activity from below and complete it on squared paper if possible. Remember to add the date.
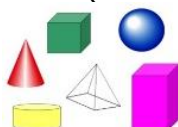
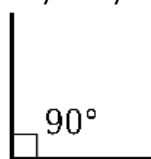| **Timeline**	**Shape Hunt**	**Angle Hunt**	**Ordering Fractions**
Keep a timeline of what you do in a day and write the correct time next to what you did using both digital and analogue.	Go on a shape hunt around your house. Draw and label the properties of 3D shapes you can see in your house. Label the name, number or sides and vertices (corners).	Go on a right angle hunt around your house. How many can you find? 90° <u>Challenge</u>: Can you find any angles greater or less than a right angle?	Can you order these fractions from the smallest to the largest?

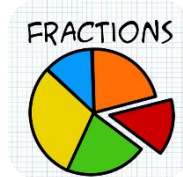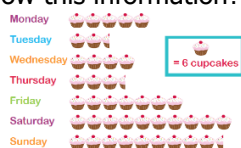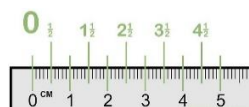| Measure	Number Talk	Fractions of Numbers	Comparing Fractions
Measure Follow a recipe with an adult. Measure out all the ingredients you use and record them.	**Number Talk** Can you record all the possible ways to make 1000? Use your number bonds knowledge to help. NUMBER TALKS	**Fractions of Numbers** Find ½, ¼ and a ¾ of: 36, 44, 28, 32, 16 Record the answers. FRACTIONS	**Comparing Fractions** Using <, > or =, can you compare these fractions? 1) $\frac{1}{2}$ ☐ $\frac{2}{3}$ 2) $\frac{6}{8}$ ☐ $\frac{2}{3}$ 3) $\frac{1}{2}$ ☐ $\frac{1}{2}$ 4) $\frac{1}{4}$ ☐ $\frac{4}{5}$ 5) $\frac{3}{5}$ ☐ $\frac{1}{6}$
Times Tables Write down the 3, 4 and 8 times table. Can you mix it up? Can you tell them to an adult?	**Data Collection** Find out how many books you have in each room of the house. Can you create a pictogram to show this information? Monday / Tuesday / Wednesday / Thursday / Friday / Saturday / Sunday = 6 cupcakes	**Numbers in Words** Can you write number 0-1000 in words and spell them correctly? Challenge: Choose 5 numbers you have written in words and order them, largest first.	**Measure** Using your hands and feet, measure various rooms and objects in your house. Record how many feet or hand spans they were. thumb / little finger Challenge: Compare objects using <, > and = symbols.
Time Using a clock online or in the house, practise telling the time to half past, quarter past, quarter to and o'clock times. Record times in your book e.g. half past 8. Telling the Time	**Measure** Practise using a ruler to measure small items around the house in centimetres and millimetres. E.g. a pen, coin, rubber, toy etc. Record your results in your book. 0 1½ 2½ 3½ 4½ 0 CM 1 2 3 4 5	**Number** Choose any even number up to 100 and then halve the number. Repeat 5 times. E.g. 64 -> 32 -> 16 -> 8 -> 4 -> 2 Halving Machine	**Times Tables** Download the Times Tables Rockstars app, login and complete the activities. Please try and access this for 20 minutes daily. TIMES TABLES ROCK STARS

More maths learning activities can be accessed through the following websites:

http://www.bbc.co.uk/schools/websites/4_11/site/numeracy.shtml

https://www.topmarks.co.uk/maths-games/7-11-years

https://mathsframe.co.uk/en/resources/category/22/most-popular

https://www.oxfordowl.co.uk/for-home/kids-activities/fun-maths-games-and-activities/#maths-7-9

https://play.ttrockstars.com/auth/school/student/18610

https://www.mathschase.com/

https://www.mathsisfun.com/