Numeracy Skills and Knowledge

- Identifying missing numbers & patterns 3, 6,_ , 12, 15…
- Word problems
- Knowledge of multiplication facts
- Sequencing
- Mental math strategies *number bonds 3+7/6+4 =10 etc*,
- Addition and subtraction facts to 10/100/1000/10 000 on
- Comparing numbers in 10's, 100's, 1000's, 10 000's
- Rounding numbers – *up/down, nearest 10, 100, 1000*
- Completing number sentences 15 - = 8
- Written number words – *four, hundred, two thousand etc*
- Interpreting a graph, table, grid, etc
- Data representation & interpretation
- Time – *analogue , digital , 24hr*
- Word/symbol/ pictorial fractions – *quarter, 1⁄3. one-fifth*
- Describing/recognising rules in patterns
- Ordering – *ascending, descending 1st, 2nd, 3rd, last …*
- Features of 2D and 3D shapes
- Shape names – *circle, square, triangle, cube, pentagon, polyhedrons, cylinder, rhombus, prism, etc*
- Interpreting keys/legends on a map
- Following directional language on a map
- Patterns based on tessellating shapes
- Shape 'reflections'
- Classifying objects
- Summarising data
- Algebraic operations, early pre-algebra E= MC2
- Nets of shapes
- BIMDAS procedure - *(brackets), indices x ÷ + -*
- Chance events, outcomes, probability=*likely/unlikely/least*
- Drawing and reading angles – *acute, obtuse, right, straight, degrees (90°, 180°, 360°)*
- Perform operations involving decimals
- Use a calculator to solve variety of problems
- Calculations with re-grouping
- Math symbols = + % - ÷ $
- Estimate and read capacity, mass, money, measurement – *written and pictorial*
- Area - *comparing, covering, measuring*
- Measurement language: *seconds, months, days, years, months of the year, date, afternoon, morning, night, day, ml, litres, pm/am, area, size, minutes, hours, height, size, smallest, heavier, lightest, metres, kilometres, perimeter, radius,*
- Conversion of measurements – *km to m, millimetres to litres, minutes to hours/min, metres to cm – all vice-versa*
- Using a calendar *to read date, day, weeks*
- Percentages – of graphs, numbers/amounts etc
- Partitioning – standard and non-standard
- Place value
- Start unknown - ?+3=5, change unknown – 2+?=5
- Inverse relationships
- Inference from data
- Interpreting Venn/other diagrams