Year 3 Maths

Areas of Learning

- Number: place value up to 1000; addition and subtraction exceeding 100; multiplication TUxU (multiples of 3, 4 and 8) and division TU÷U; fractions of sets (TU); ordering fractions (small denominators); equivalent fractions.
- Geometry: properties of shapes; recognizing right-angles (< = >); draw 2D shapes; make 3D shapes; identify horizontal, vertical, parallel and perpendicular lines.
- Measurement: measure, compare, add and subtract masses (g, kg); measure, compare, add and subtract capacities (ml, l); add and subtract amounts of money (£, p); tell the time from analogue and digital clocks; time equivalences (1' = 60", 60" = 1h); compare durations of events; measure lengths and perimeters.
- Statistics: interpret and present data using scaled bar charts, pictograms and tables.

Approaches to learning

- Number: partitioning two-digit numbers; mental calculation strategies; knowledge of multiplication and division facts; identifying mathematical vocabulary; reasoning skills; rounding, estimating and using inverse operations to check for accuracy; formal written methods; using fraction walls.
- Geometry: making models of 3D shapes and classifying them according to properties; identifying and describing right-angle turns; drawing and making 2D shapes and classifying them according to properties (including parallel and perpendicular sides).
- Measurement: read scales marked in kg, g / l, ml; knowledge of ½, ¼ and ¾ equivalences for kg/g and l/ml; use timelines and read vocabulary related to time; knowledge of time equivalences and calendar facts; solve problems related to money (calculating change); using a ruler to draw and measure straight lines and perimeters accurately.
- Statistics: interpret and produce bar charts and pictograms where 1 interval/picture represents 2, 5 or 10 units.

Examples of learning

Pupils use a wide variety of materials and ICT resources. Paired and small group work allows for peer-to-peer checking. Emphasis on "real world" problems and mental calculation strategies.

References

Primary Curriculum 2014

Mathematics: made to measure, Ofsted, May 2012

Collins Connect: Busy Ant Maths