

## Year 5 Maths

### Areas of Learning

- number place and value -5-digit number ,ordering, counting and rounding
- addition and subtraction-mentally and making problems
- multiplication and division-squares, cubes, prime number
- fractions –tenths, hundredths, improper, mixed
- position and direction-translations, reflections
- properties of shape-faces ,edges, vertices, angles ,diagonals
- decimals-tens, hundredths, rounding, adding, subtracting
- measurement-time length ,perimeter, area, volume
- statistics- line and time graphs, data in tables
- percentages-fraction and decimals families

### Approaches to learning

- mental calculations strategies;
- using a number line;
- knowledge of multiplication and division skills;
- mathematical vocabulary;
- reasoning skills;
- rounding estimating;
- using inverse operations;
- making 3 d shapes using cubes and models identifying and describing angles;
- dice;
- creating sequences;
- reading scales ;
- using a ruler to draw and measure perimeters and areas; tile fractions ;
- 5-digit puzzles; using mini white boards;
- geostrips;
- clock tool;
- using centicubes.

### Example of learning

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

### References

Year 5: Collins Connect: Buzy Ant Maths

National curriculum in England: primary curriculum, DfE, 2015

Primary Curriculum 2014 <http://www.primarycurriculum.me.uk>

Ofstead: Mathematics: made to measure, May 2012