



Geometry: Shape, Space, Position and Direction

Pupils are encouraged to experience, explore and learn about geometry from KS1 to KS4. Geometry includes shapes, space and measure and is part of our Maths theme curriculum in KS1 – KS3. Geometry is taught through IEPs, maths lessons, theme lessons, PE and through other learning activities such as playtime. Geometry is taught in a multisensory way through the school to ensure that all of the pupils educational needs and learning styles are met.

Shape Key Vocabulary:

Colour names, shape names, straight, curved, edge, side, corner, symmetry, pattern

Position, Direction and Space Key Vocabulary:

Clockwise, on, off, in, out, up, down, stop, go, under, over, next to, in front of, behind, forwards, backwards, left, right

Shape Activity ideas:

- Finding and exploring shapes
- Identifying patterns
- Matching
- Clapping patterns
- Mirror play
- Playdough (making shapes, using tools etc.)
- Cooking: shape of dough
- Finding colours e.g. in Supermarket

Position, Direction and Space Activity ideas:

- Using vocabulary when getting dressed, in the bath, walking to the shop etc.
- Directions with toys and each other
- Discussing times of the day
- Discussing position of hands on a clock
- Dancing: number of turns/clockwise and anti-clockwise
- Looking at journeys on a map
- Google maps (directions and pictures)

Websites and apps:

- <http://www.kidsmathgamesonline.com/geometry.html>
- <http://pbskids.org/games/shapes/>
- http://www.bbc.co.uk/bitesize/ks2/maths/shape_space/
- <http://www.bbc.co.uk/bitesize/ks1/maths/>

- 'FriendShapes'
- 'Trainyard EX'
- 'Bee-Bot'
- 'Shape Puzzle HD Free – Word Learning Game for Kids'