

# Three-dimensional shapes

## Small Steps

- ▶ Know names of 2-D and 3-D shapes
- ▶ Recognise prisms (including language of edges/vertices)
- ▶ Accurate nets of cuboids and other 3-D shapes
- ▶ Sketch and recognise nets of cuboids and other 3-D shapes
- ▶ Plans and elevations
- ▶ Find area of 2-D shapes R
- ▶ Surface area of cubes and cuboids
- ▶ Surface area of triangular prisms

H denotes Higher Tier GCSE content

R denotes 'review step' – content should have been covered earlier in KS3

# Three-dimensional shapes

## Small Steps

- ▶ Surface area of a cylinder
- ▶ Volume of cubes and cuboids
- ▶ Volume of other 3-D shapes – prisms and cylinders
- ▶ Explore volumes of cones, pyramids and spheres

H

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# Constructions & congruency

## Small Steps

- ▶ Draw and measure angles R
- ▶ Construct and interpret scale drawings R
- ▶ Locus of distance from a point
- ▶ Locus of distance from a straight line/shape
- ▶ Locus equidistant from two points
- ▶ Construct a perpendicular bisector
- ▶ Construct a perpendicular from a point
- ▶ Construct a perpendicular to a point

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# Constructions & congruency

## Small Steps

- ▶ Locus of distance from two lines
- ▶ Construct an angle bisector
- ▶ Construct triangles from given information R
- ▶ Identify congruent figures
- ▶ Explore congruent triangles
- ▶ Identify congruent triangles

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