

Bristol Mathematics Trail

Notes for teachers

The trail starts at St Nicholas' Church in St Nicholas' Street, Bristol, BS1 1UE. It will take pupils about 2 hours to complete. The map on the front of the trail shows the area of the city where the trail takes place.

The trail is mostly in quiet roads or pedestrianised walkways. There are a few roads that pupils have to cross. Please stress to them the importance of crossing safely. The only main road to be crossed is done so at a pelican crossing.

It is possible to have a few starting points on the trail. If you start pupils at different points, please bring their attention to question 4 before they start.

Obviously, if pupils start at question 1, they work through the trail in order. If pupils start at question 3, after question 6, they need to do questions 1 and 2 before continuing on to question 7.

If pupils start at question 7, after question 13, they need to go back to questions 1 to 6, before continuing to question 14.

Directions are written on the left-hand side of the page in italics, questions on the right-hand side.

Before starting the trail, pupils will need to know the meanings of the following mathematical terms:

faces, horizontally, plan view, order of rotational symmetry, line of symmetry, symmetrical, diameter, circumference (this is given as perimeter of a circle in the trail), tessellation.

They will also need to know what a silhouette is and what cross-section means.

The trail finishes in Castle Green, near St. Nicholas' Church, so there is plenty of congregating space to wait for pupils to finish the trail.