



## Compass Skills

Using a course laid out in the grounds of the Centre, children learn the eight points of the compass and how to use a compass to walk on a bearing. This basic session takes up to an hour but can be extended on request by going on to the more advanced 'Tree Tracker' which is like a simple orienteering course.

### Main Curriculum Links:

Geography: geographical skills, 8 points of the compass  
 Maths: geometry - understanding angles  
 Physical Education: orienteering skills

**Age Range:** Years 3 to 6 (Age 7 to 11)  
**Duration:** basic session about an hour, add another half hour for Tree Tracker  
**Location:** The Moors National Park Centre



Key Learning Objectives Children should learn...	Learning Outcomes
<i>Geography</i> ● the 8 points of the compass	<i>All children will be able to:</i> ● identify the 4 main points of the compass ● use a compass to find north
<i>Maths</i> ● that angles are measured in degrees and that one whole turn is 360° ● to relate angles and degrees to compass bearings ● to estimate angles and compass bearings	<i>Most children will be able to:</i> ● identify the 8 main points of the compass and state some of their angles in degrees ● navigate to points using compass bearings
<i>Physical Education</i> ● basic orienteering skills  <i>Other skills involved</i> Listening and following instructions Using equipment precisely / accurately Working independently Problem solving	<i>Some children will be able to:</i> ● identify the 8 main points of the compass and state their angles in degrees ● explain how a compass works in terms of magnetism

### Assessment for Learning

We assess learning using a variety of techniques appropriate to the activity such as: questioning, questioning games, observing how well children are performing tasks, checking results, quizzes and feedback forms.

### Ideas for Extending Learning Before and After this Activity

Familiarise children with the 8 points of the compass and how these relate to angles and degrees in a circle.

The *British Schools Orienteering Association* [www.bsoa.org/](http://www.bsoa.org/) \* offers support, information and advice about setting up orienteering activities in schools including school maps, equipment, awards, competitions for children and training opportunities for teachers.

\* This is an external website for which the National Park Authority has no responsibility.