



# North York Moors National Park

## Compass skills (Key stage 2)

Using a course laid out in the grounds of Danby Lodge, 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 'Nature Tracker' which is like a simple orienteering course.

**Age Range:** Years 3 to 6 (Age 7 to 11)

**Duration:** Basic session about an hour, add another half hour for 'Nature Tracker'

**Location:** Danby Lodge National Park Centre



## Main curriculum links

### Geography

- geographical skills, 8 points of the compass

### Maths

- geometry - understanding angles

### PE

- orienteering skills

## Key learning objectives

Children should learn...

### Geography

- the 8 points of the compass

### Maths

- that angles are measured in degrees and that one whole turn is  $360^\circ$
- to relate angles and degrees to compass bearings
- to estimate angles and compass bearings

## **Physical Education**

- basic orienteering skills

## **Other skills involved**

- listening and following instructions
- using equipment precisely / accurately
- working independently
- problem solving

## **Learning outcomes**

### **All children will be able to:**

- identify the 4 main points of the compass
- use a compass to find north

### **Most children will be able to:**

- identify the 8 main points of the compass and state some of their angles in degrees
- navigate to points using compass bearings

### **Some children will be able to:**

- 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

## **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.

## **Further information**

To find out more, make a booking or view other activities please visit our [Outdoor learning and school visits page](#).

You can contact the Outdoor Learning team on 01439 772751 or email [outdoorlearning@northyorkmoors.org.uk](mailto:outdoorlearning@northyorkmoors.org.uk)