



Geocaching (Hi-tech orienteering)

Based in the grounds of the visitor centre, children use maps and handheld GPS units to locate hidden boxes (geocaches). The geocaches contain questions and puzzles relating to the moorland environment. The outdoor trail is followed by a short indoor plenary including information about the fast growing and international sport of geocaching and if possible a look at geocaches located around your school.

Age Range: Years 5 and 6 (Age 9 to 11)
Duration: 2 hours
Location: The Moors National Park Centre

Main Curriculum Links:

Geography: use of digital technologies
landuse and characteristics of the North York Moors
PE: take part in outdoor activity challenges



Key Learning Objectives Children should learn...	Learning Outcomes
<p><i>Geography</i></p> <ul style="list-style-type: none"> • how to match features on a map to features on the ground • how to use a GPS unit for navigation • about the special features of moorland <p><i>PE</i></p> <ul style="list-style-type: none"> • basic orienteering skills <p><i>Other skills involved</i></p> <ul style="list-style-type: none"> • Listening • Following instructions • Team working • Problem solving 	<p><i>All children will be able to:</i></p> <ul style="list-style-type: none"> • match some features on a map to features on the ground • use a GPS unit to navigate to specific locations
	<p><i>Most children will be able to:</i></p> <ul style="list-style-type: none"> • locate their position on a map • use a GPS unit accurately to navigate to specific locations • explain how GPS units use satellites to work
	<p><i>Some children will be able to:</i></p> <ul style="list-style-type: none"> • locate their position accurately on a map • explain why several satellites are required for a GPS unit to give its location accurately. • evaluate the benefits and limitations of GPS systems for navigation

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.

Opportunities for Extending Learning After this Activity

Geocaching is a fast growing, international outdoor activity which requires the use of a smartphone or GPS unit. Visit www.geocaching.com/ * to find out more and discover the locations of caches all over Britain. There may be some close to your school. The website tells you what is in the caches so you could select some child friendly ones for your class to find in your local area. Your class could put together their own cache, decide where to hide it and then upload details of it onto the geocaching website for other people to find. You could consider working with other classes or other schools and create caches for each other to find.

*Please note that this is an external website for which the National Park Authority has no responsibility.