

Orienteering & Map Work

Curriculum Links:

Locational knowledge

Geographical skills and fieldwork

* See coverage document for details

Key Facts:

- Grid references are used to pinpoint locations. A four-figure grid reference identifies a square and a six-figure grid reference gives an exact location
- On an OS map, each grid square is 1km x 1km
- Maps have a scale which helps us work out distances, the scale shows how much bigger the real world is than the map
- Contour lines show heights on an ordnance survey map
- There are four main points of the compass (north, south, east, west). Between these are four additional points (north-east, south-east, north-west, south-west). Ordnance survey maps are printed so north is always at the top
- Latitude and longitude are used to locate places accurately. Latitude circle the Earth horizontally and longitude lines are vertical

Key Skills:

- Name and locate cities and geographical regions of the UK on a range of maps
- Identify key topographical features on a map
- Compare aerial photos - identify similarities and differences
- Use the eight points of a compass
- Study maps and label them to identify different regions and key features
- Read ordnance survey maps by identifying symbols and use four and six-figure grid references
- Create our own maps

Possible experiences:

- Visit Bedgebury and go orienteering
- Mote Park orienteering
- Create orienteering maps of school, Mote Park etc

We should already know:

- We live in Maidstone, which is in Kent.
- Kent is in England, which is in the UK and in the continent of Europe
- There are seven continents and five oceans
- Know the 4 main compass points
- Land use patterns in the UK



Key Vocabulary

Atlas	A book of maps and charts
Cartographer	A person who draws and produces maps
Coordinates	A set of numbers used to locate a point
Contour	A line on a map showing height above or below sea level
Compass	A device that has a magnetic needle that indicates north
Grid References	A location on a map which is found using northing and easting numbered lines
Latitude	Imaginary horizontal line used to show N-S position on the Earth's surface
Longitude	Imaginary vertical line used to show E-W position on the Earth's surface
Ordnance Survey	Ordnance Survey is the national mapping agency for Great Britain (first used in 1745)
Scale	Refers to the relationship between distance on the map and on the ground