

## Geography

## Geographical Information Systems

## Year 6



### Key Vocabulary

### Key Knowledge and facts

### Key Maps

WORD	DEFINITION
Eastings	The vertical lines running from the top to bottom and divide the map from west to east
Contours	Lines that show elevation and the shape of the terrain
Grid reference	A location on a map, which is found using the northing and easting numbered lines
Ordnance Survey (OS)	The national mapping agency for Great Britain.
Elevation	Height above a given level, such as mean sea level.
National Park	An area set aside by a national government for the preservation of the natural environment
Northings	Numbered horizontal lines found on maps
Scale	The ratio or fraction between the distance on a map, chart, or photograph and the corresponding distance in the real world.
Topographical features	The physical features of an area of land including natural formations such as mountains, rivers, lakes, and valleys

A Geographic Information System (GIS) is software that brings together maps and data for analysis, to better understand the world around us.

The data on a map is organised and stored in “layers” that can be added or removed from the new map. This allows the user to combine the information in different ways to study relationships and patterns.

Buckden is a village in the county of North Yorkshire, England. Historically part of the West Riding of Yorkshire, Buckden is situated in the Yorkshire Dales National Park, and on the east bank of the River Wharfe in Wharfedale.

The 2021 census showed Buckden had a population of **174** people. Ilkley had a population of **15,040**.

Aerial map of the Buckden, North Yorkshire



OS map of the Buckden, North Yorkshire



### 6-Figure Grid References

### Symbols and Layers

**The six-figure grid reference for the phone box is 941 772.**



SYMBOLS: POINTS, LINES & POLYGONS			
Point			
Line			
Polygon			
Text			

