



Knowledge and Skills Mind Map (Geography) Year 3 Autumn Term

Knowledge :



Disciplinary Concept:



World Class School

6. Can I use 4 figure grid references on an Ordnance Survey map to learn about land use in London?

- **Prior Learning (last lesson):** how land used for farming has changed over time
- **Vocab:** Ordnance Survey (OS) Map, 4 figure grid reference
- Know that an Ordnance Survey (OS) map is a detailed map of the UK that shows human and physical features such as roads, buildings, rivers, fields and parks using symbols and colours.
- Know that a 4-figure grid reference is used to find a location on a map by going along the corridor first (across) and then up the stairs (up) to identify a square on the map.
- **Note to teachers:** see page 2 (next page) for task
- **Geographical Skills and Fieldwork:** Use 4 figure grid reference on a OS map

5. Can I explain how land in the UK is used for farming and how it has changed over time?

- **Prior Learning (last lesson):** how land use in the UK has changed over time
- **Vocab:** farming, agriculture, crops, commercial, environmentally friendly
- Know that farming land in the UK is used to grow crops (such as wheat and barley) and to rear animals (such as cows and sheep).
- Know: in the past, farms were smaller and farmers did work by hand or with animals like horses.
- Know: today, farms use large machines and technology e.g. tractors and harvesters, to work the land.
- Know that fewer people now work on farms, but farms can produce more food than in the past.
- Know: some farming land near towns/cities has changed into housing, roads or commercial land
- Know that some farmers now use land in more environment-friendly ways, such as protecting wildlife or planting hedgerows.
- **Human and Physical Geography:** Explain how farming land in the UK has changed

4. Can I describe how land use in the UK has changed over time?

- **Prior Learning (last lesson):** compared land use in Sutton with a village in Scotland (Killin)
- **Vocab:** past, present, agriculture, residential, commercial, recreation
- Know that in the past, much of the UK's land was used for farming and agriculture, with fewer towns and cities.
- Know that over time, more land has been used for housing, factories, roads and transport as the population has grown.
- Know that towns and cities in the UK have expanded, changing green land into residential and commercial areas. Sutton used to be surrounded by farmland.
- Know that new roads, railways and motorways have changed how land is used across the UK.
- Know that some land is now protected for recreation and nature, such as parks.
- **Place Knowledge/Human & Physical:** Describe how land use in the UK has changed over time

3. Can I compare land use in Sutton compared to a rural village in Scotland (Killin)?

- **Prior Learning (last lesson):** describe how land is used in Sutton
- **Vocab:** aerial photograph, rural, urban, population
- Know: Sutton is an urban area. The aerial photo shows closely packed houses, straight roads, and a large supermarket with a car park (e.g. Sainsbury's), showing land used for shopping and services.
- Know that much of Sutton's land is used for residential living, which can be seen in long rows of houses and blocks of flats built close together.
- Know that green spaces in Sutton are small parks and open areas, surrounded by roads and buildings, showing recreational land within a busy town.
- Know that Killin is a rural village, where the aerial photo shows a small group of buildings surrounded by large green fields, hills and open countryside.
- Know that a river and bridge run through Killin, showing land used for natural features and transport rather than lots of roads.
- Know that most land around Killin is used for agriculture and outdoor recreation, with very few shops or large buildings visible.
- **Place Knowledge/Locational Knowledge/Human and Physical Geography:** Compare land use in Sutton and village in Scotland

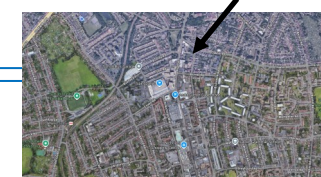
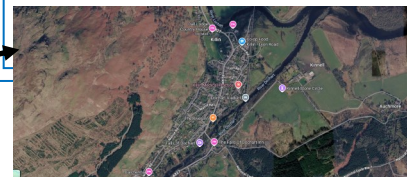
1. Can I understand what land use means and explain how we use land in the UK?

- **Prior Learning (Year 2 Summer):** Compared London and Beijing (population, climate)
- **Vocab:**
 - **Land use:** how people use land
 - **Residential:** places where people live (houses, flats)
 - **Commercial:** places where people buy and sell items (shops, offices)
 - **Industrial:** places where items are made (factories, warehouses)
 - **Agricultural:** land use for farming (fields, crops, animals)
 - **Recreational:** places for fun and relaxation (parks, playground, sports fields)
 - **Settlement:** a place where people live
- Know that people in the UK use land for living, working, farming and leisure.
- Know that towns and cities often have more residential and commercial land.
- Know that countryside areas often have more agricultural land.
- Know that land use can be shown on maps and photographs.
- Know that the way land is used depends on people's needs.
- **(Suggested task:** matching definition with meaning activity)
- **Locational Knowledge:** understand meaning of land use and how we use it in the UK

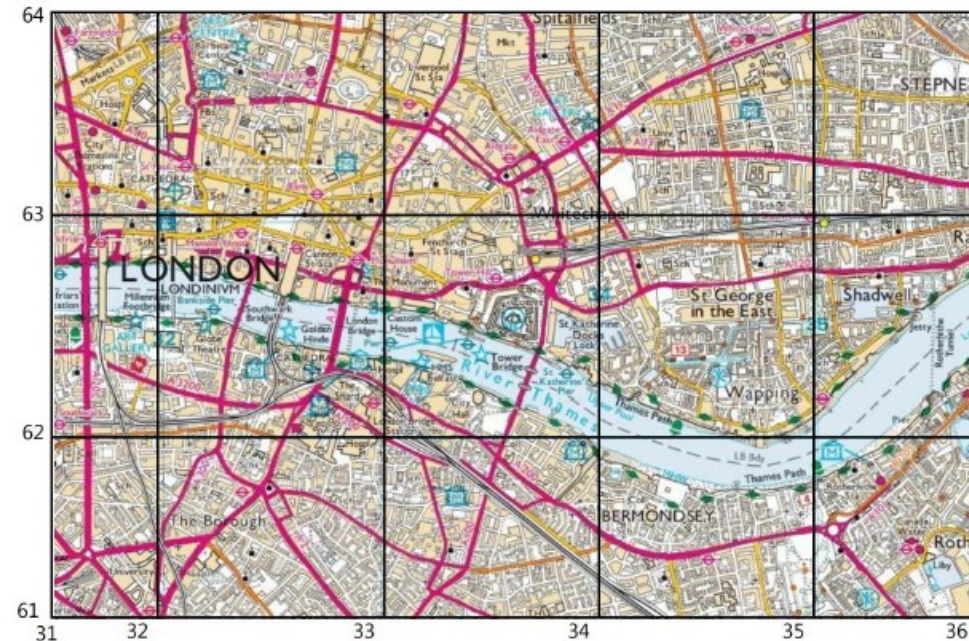
2. Can I describe how land is used in Sutton?

- **Prior Learning:** meaning of land use and explained how we use land in the UK
- **Vocab:** Sutton (a borough in South London), land use, residential, commercial, recreational, aerial photograph
- Know that Sutton has different types of land use.
 - Know that much of Sutton is residential, with houses and flats.
- Know that Sutton has commercial areas, such as Sutton High Street.
- Know that Sutton includes recreational land, such as parks and open spaces (e.g. playgrounds and sports fields).
- Know that roads and railways are important transport land uses in Sutton.
- Know that maps and photographs can help us describe land use in Sutton
- **(Suggested task:** annotate an aerial photo of Sutton showing how land is used. Use specific vocab e.g. residential)
- **Locational/Place Knowledge/Human & Physical:** Describe how land is used in Sutton

Land use Patterns



Four figure grid references and OS map symbols challenge!



1) What grid references can the Thames be seen in?		
2) What are the four-figure grid references for the following locations:	3) How many schools are in grid reference 3261	
2a) Farringdon station	4) What is the name of the underground station in grid reference 3463	
2b) Rotherhithe Tunnel	5) What kind of churches can be found in grid reference 3362	
2c) St Katherine's Pier	6) What is the grid reference for boat trips?	
2d) Southwark Bridge	7) What 3 types of road can be seen in grid reference 3563?	