



Knowledge and Skills Mind Map (Geography): Year 6 Autumn Term

Knowledge : 

Disciplinary Concept: 



World Class School

7. Can I calculate time zones from around the world?

- **Prior Learning (last lesson):** position and significance of Prime Meridian and GMT
- **Vocab:** time zones, longitude, Prime Meridian, Greenwich Meantime (GMT)
- Know that Earth is divided into 24 time zones because it takes 24 hours to rotate once.
- Different parts of the world experience day and night at different times because the Earth rotates, so when it is daytime in one time zone, it may be night time in another.
- Know that each time zone is about 15° of longitude wide ($360^\circ \div 24 = 15^\circ$).
- Know/recap that Greenwich Mean Time (GMT) at the Prime Meridian (0°) is the starting point.
- For every 15° east, you add 1 hour.
- For every 15° west, you subtract 1 hour.
- Know that we can work out the time in specific places by using GMT—for example, if it is 12:00 noon in the UK, it is about 7:00 am in New York (GMT -5), 8:00 pm in Hong Kong (GMT +8), and 10:00 pm in Sydney (GMT +10).
- **Geographical Skills and Fieldwork:** Use atlases/globes to calculate time zones in major cities

6. Can I identify the position and significance of the Prime Meridian/Greenwich Mean-time?

- **Prior Learning (last lessons):** features of the UK
- **Vocab:** Prime Meridian, longitude, latitude, Eastern Hemisphere, Western Hemisphere, Greenwich
- Know: the Eastern Hemisphere is the half of the Earth east of the Prime Meridian, including Europe, Asia, Africa, and Australia.
- Know: the Western Hemisphere is the half of the Earth west of the Prime Meridian, including North and South America.
- Know the Prime Meridian is an imaginary line at 0° longitude that runs through Greenwich and divides the Earth into the eastern and western hemispheres. It's significant because it helps locate places accurately on Earth.
- Know that Greenwich Mean Time (GMT) is the time at the Prime Meridian in Greenwich. It's significant because it is used as the starting point for time zones around the world.
- Know that Greenwich Meantime (GMT) is the local clock time at Greenwich (London)
- Know that time zones around the world originate from the Greenwich Meridian
- **Geographical Skills and Fieldwork/Locational Knowledge:** Identify position and significance of

5. Can I locate topographical features (hills, mountains, waterways, coasts) of the UK?

- **Prior Learning:**
 - **Last lessons:** located London Boroughs, cities and counties in the UK
 - **Year 3 Summer:** Mountains
 - **Year 4: Summer:** Rivers
- **Future learning (Year 6 Spring)** — learn about coasts and coast defences next term
- **Vocab:** topographical features, hill, mountain, waterways, coast
- Know the names of major upland areas of the UK (e.g. Scottish Highlands, Pennines etc)
- Know the names of major seas (e.g. North Sea, Irish Sea) and waterways (e.g. Firth of Forth, Bristol Channel) around the UK
- Know the main coastlines (North Sea, English Channel, Atlantic Ocean, Irish Sea, North Atlantic Ocean)
- **Geographical Skills and Fieldwork/Locational Knowledge:** Use maps and atlases to locate topographical features of the UK

Human/Physical
Characteristics
of the UK

1. Can I use the eight points of a compass to locate the geographical regions of the UK?

- **Prior Learning (Year 3—Summer):** introductions to eight points of a compass
- **Vocab:** compass, geographical region, locate
- Know that there are 8 points on the compass (N, NE, E, SE, S, SW, W, NW)
- Know that there are 12 regions in the UK (Northern Ireland, Scotland, Northeast, Northwest, Yorkshire and Humberside, East Midlands, West Midlands, Eastern, Southeast, London, Southwest, Wales)
- **Geographical Skills and Fieldwork/Locational Knowledge:** Use the eight points of the compass to match regional names to their locality. Use a key to annotate a map

2. Can I use digital mapping to locate the counties of the UK?

- **Prior Learning:** 8 points of a compass to locate 12 regions of UK
- **Vocab:** county, digital mapping, satellite images, Greater London, home counties
 - Know that digital mapping is created from satellite images
 - Know that counties are smaller, administrative areas of the UK
 - Know that the 7 counties surrounding Greater London are known as the home counties.
- **Geographical Skills and Fieldwork/Locational Knowledge:** Use digital mapping to

3. Can I use digital mapping to locate cities in the UK?

- **Prior Learning:**
 - ⇒ **Last lesson:** located counties of the UK.
 - ⇒ **Year 4—Spring Term:** Studied settlements
- **Vocab:** city, settlement digital mapping, locate
- A city is a large settlement where many people live and work, usually with lots of buildings, services, and transport links.
- Know the location of major UK cities
- **Geographical Skills and Fieldwork/Locational Knowledge:** Use digital mapping to locate cities label a blank map with major cities

4. Can I locate the London Boroughs and explain their purpose?

- **Prior Learning:** located cities on the UK
- **Vocab:** London Borough, Council, Greater London
- A London borough is a local area of London with its own council (a group of people elected to make decisions and run local services like schools, rubbish collection, and parks) that helps run services for the people who live there.
- Know that Greater London is made up of 32 boroughs.
- Know that Sutton became part of Greater London in 1965.
- **Geographical Skills and Fieldwork/Locational Knowledge:** Use digital mapping to locate counties