



Knowledge and Skills Mind Map (Geography) - Year 5 Spring Term

Knowledge : 

Disciplinary Concept: 

6. Can I identify the position and know the significance of latitude, longitude and Tropics of Cancer and Capricorn?

- **Prior Learning (last lessons):** human and physical features of South America
- **Vocab:** Equator latitude, longitude, Tropic of Cancer, Tropic of Capricorn, navigation, Northern Hemisphere, Southern hemisphere
- Know: lines of latitude go across and lines of longitude go down and used for navigation
- Know that we use lines of latitude and longitude give us co-ordinates to find new locations
- Know the Northern Hemisphere is the half of the Earth north of the Equator and the Southern Hemisphere is the half south of the Equator, and they experience opposite seasons.
- Know that the Tropic of Cancer is an imaginary line north of the Equator (23.5°N) where the Sun can be directly overhead at midday during summer in the Northern Hemisphere.
- Know that the Tropic of Capricorn is an imaginary line south of the Equator (23.5°S) where the Sun can be directly overhead at midday during summer in the Southern Hemisphere.
- **Locational Knowledge:** Explain significance of latitude, longitude and Tropics of Cancer/Capricorn

5. Can I use aerial photographs to compare Rio de Janeiro and London?

- **Prior Learning:** human characteristics of South America
- **Vocab:** human geography, aerial photograph, compare
- **Know features of London:** modern skyscrapers (e.g. Shard) dense urban layout with lots of buildings and few green spaces; River Thames runs through the city; architecture is mostly glass and steel, with some older buildings mixed in.
- **Know features of Rio:** Iconic landmarks including Christ the Redeemer and Sugarloaf Mountain; a dense urban layout with many buildings, including hillside favelas; large areas of green space, such as Tijuca Tropical Forest; a long coastline with sandy beaches like Copacabana and Ipanema; the city is shaped by mountains, hills and bays; architecture includes a mix of modern high-rise buildings and older style buildings.
- **Geographical Skills and Fieldwork/Place Knowledge:** Compare similarities and differences of Rio de Janeiro and London

4. Can I explain the human characteristics of South America?

- **Prior Learning (last lesson):** explain the physical characteristics of South America
- **Vocab:** cities (Rio de Janeiro, Buenos Aires, Lima), agriculture, rural, urban, mining
- Know that South America has a range of human features e.g.
 - Cities: Rio de Janeiro; Buenos Aires, Lima
 - Farming/Agriculture: coffee, bananas, sugarcane, soybeans,
 - Transport: Pan-American highway; boat travel on Amazon
 - Land Use: rural (villages and farms); urban (skyscrapers, schools, hospitals, stadiums and museums)
 - Mining: gold, copper, silver, oil
- **Human and Physical Geography:** Research and locate the key human features of South America

Geographical features of South America

1. Can I use an atlas or globe to name and locate the countries of South and Central America?

- **Prior Learning (Autumn Term):** located Europe and Russia on a map
- **Vocab:** locate, globe, atlas, South America, Central America
- Know there are 13 countries in South America and 7 countries in Central America
- Know the countries in South America have Capital cities e.g. Peru—Lima
- **Geographical Skills and Fieldwork/Locational Geography:** Use an atlas and a globe to locate and label on a map of South and Central America

2. Can I understand the physical characteristics of South America?

- **Prior Learning (last lesson):** locate countries of South and Central America
- **Vocab:** Physical Geography, Amazon River, Atacama Desert, Andes Mountains
 - Know that South America has a range of physical features e.g. Amazon River, Atacama Desert, Andes Mountains and know some key facts. For example:
 - **Amazon River:** flows through Brazil, Peru and Colombia; 6400km long, largest river by volume; flows through Amazon rainforest; controls Earth's climate by keeping rainforest healthy
 - **Atacama Desert:** mainly in Chile, lies between Pacific Ocean and Andes Mountains; one of the driest places on Earth (less than 1mm rain a annually); hot days, cold nights; sand dunes, rocky valleys, salt flats,
 - **Andes Mountains:** stretch through 7 countries; longest mountain range in the world (7000km); warm and dry at the base, cold and snowy at summit
- **Human and Physical Geography:** Research and locate the key physical features of South America

3. Can I compare the climate of South America to the UK?

- **Prior Learning:** human and physical features of South America
- **Vocab:** climate, tropical, desert, mountain climate, temperate
- Know that the climate changes depending on distance from the equator
- Know that the Amazon rainforest has a tropical climate
- Know key features of South American climate:
 - **Tropical** (e.g. Amazon Rainforest) hot and wet
 - **Desert** (Atacama) dry and little rain
 - **Mountain Climate** (Andes Mountains) cold and windy
 - **Temperate** (Brazil, Uruguay and Argentina) warm summer, cool winter
- Know key features of the UK's climate:
 - Four seasons
 - **Spring:** mild, some sunshine,
 - **Summer:** warmest season, longer days, can be hot
 - **Autumn:** cooler, leaves fall from trees, wind and rain
 - **Winter:** coldest season, short days, some snow and frost
- **Place Knowledge/Human and Physical Geography:** Compare climate of South America and UK