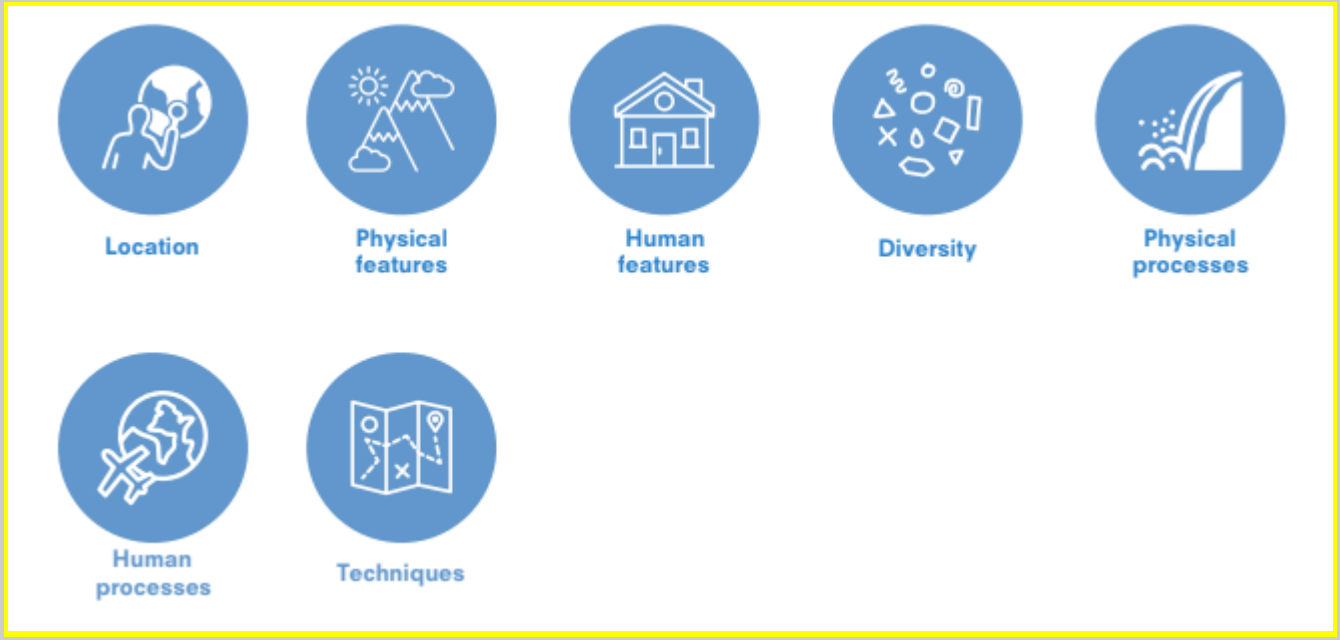
GEOGRAPHY - Concept Knowledge Map (DRAFT #4 21/11/22)

Disciplinary Concepts (Knowledge Categories) are taken from the Geography Curriculum Companion



Threshold Concepts	Place	Pattern	Communicate Geographically
Disciplinary Concepts: Substantive Concepts	**Location:** Locality, country, region, place , environments, biome, habitat, climate zones **Physical Features:** landscape, climate, weather, resources, oceans, mountains, rivers and coasts, atmosphere, rainforests, **Human Features:** Settlement, population, density, transport network, land use: urban, rural	**Physical Processes:** Climate, Ocean Currents, erosion, weathering, water cycle, ecosystem, weather systems, seasons, habitats, techtonics **Human Processes:** Travel, Tourism, Economy, Trade, Import & Export, Migration, Industry, Farming, Government, Politics, borders, Environmental impact, Climate Change, Pollution, Extreme weather, Population Growth, colonialism, **Diversity** i) Compare and Contrast i) Interconnections	**Techniques** i) Fieldwork Techniques: Observation, Measurement (distance, temperature, frequency), recording data, classification, photography, graphs, symbolic representation (using symbols) ii) Mapping: Maps, routes, symbols, Pictorial Representations, Coordinates Atlas, Globe, Continents and Oceans, Regions iii)Directions: Compass points, distance, travel routes

		ii) Changes iii) Impact iv) Sustainability		
Foundation Stage				
Year Group	**Unit**	**Place**	**Pattern**	**Communicate Geographically**
Nursery	**All about (around) me**	**<u>Human Features:</u>** Transport **<u>Physical Features:</u>**	**<u>Human Processes:</u>** Types of travel **<u>Physical Processes:</u>**	**<u>Techniques:</u>** **Directions and Distance:** from school, how we **travel** (walking / types of transport) **Mapping** the classroom - **pictorial representation**
	All about vehicles.	**<u>Human Features:</u>** Transport - how we travel, where can we go?	**<u>Human Processes:</u>** Types of travel **<u>Physical Processes:</u>**	**<u>Techniques:</u>**
	All about the weather	**<u>Physical Features:</u>** Describing the **weather** - weather in different places we know (holidays)? **<u>Human Features:</u>** **<u>Location:</u>** Holiday location	**<u>Physical Processes:</u>** How does the **weather** change? How does the weather affect us? (clothing) **<u>Human Processes:</u>** **<u>Diversity:</u>** Change (different weather)	**<u>Techniques:</u>** **Observing and classifying** the weather and seasons - weather words
Reception	**All about me and my family**	**<u>Location</u>**: Where I live, types of building, places and weather,	**<u>Human Processes:</u>** **Travel:** examples of family in different countries and holidays. **Transport** to different countries.	**<u>Techniques:</u>** **Routes** to the park. **Mapping** the outdoor area (**symbolic and pictorial) representations** **Observing** and discussing **maps and photographs of the local area.** Looking at **globes, aerial photographs and maps** with children.
	All about the	**<u>Physical Features:</u>** describing the	**<u>Physical Processes:</u>**	**Observing, recording and classifying**

	Seasons and Weather	natural world around us .	Describes the impact of changing **weather and seasons** on their daily life	the seasons and seasonal changes
	Where animals and plants live (Habitats)	**Physical Features:** Describing different habitats **Location:**	**Physical Processes:** Describe different **habitats** around us	**Techniques:** Maps
Milestone 1				
Year Group	**Unit**	**Place**	**Pattern**	**Communicate Geographically**
Year 1	**Local Area: United Kingdom**	**Location:** Locality: our local area Country: British Isles, U.K., Great Britain Region: The UK is part of the continent of Europe. Capital cities (of the UK) **Physical Features:** The British Isles ~~and the seas that surround them.~~	**Human Process:** Government and Monarchy	**Techniques:** Mapping: looking at maps of our local area and the UK.
	Climate & Weather	**Physical Features:** Weather: what is weather Climate **Location**: Climate zones: Hot and cold regions	**Physical Process:** Weather systems and seasons. Habitats. **Human Features:** Climate differences **Diversity:** Compare and contrast (parts of the world - Hot and cold)	**Techniques:** Fieldwork techniques: observe the weather as it is happening. Record weather data. **Mapping:** World maps (hot and cold regions) Weather symbols.
	Describing Maps	**Location:** Create maps of our local area (school,		**Mapping:** Create maps with a compass rose.

		classroom)		Read maps using a compass rose. Read pictorial representations on a map. **<u>Directions</u>**: Follow compass points
Year 2	**Continents and Oceans** (specific focus on Antarctica) **Describing Maps of the World 2**	**<u>Location</u>:** environment, habitat, climate zones **<u>Physical features:</u>** oceans, landscape, resources **<u>Human features:</u>** population (of Antarctica)	**<u>Physical Processes</u>**: climate, habitat **<u>Human Processes:</u>** extreme weather **<u>Diversity:</u>** compare and contrast (deserts, poles)	**<u>Techniques:</u>** (i) fieldwork techniques: symbolic representation (ii) mapping: map, atlas, globe, continents and oceans (iii) directions: compass points
	Australia **Sydney** **Great Barrier Reef** **Daintree Rainforest** **Aboriginal People/Uluru**	**<u>Location:</u>** country, place, environment, habitat **<u>Physical Features:</u>** landscape, climate, weather, resources, oceans, mountains, coasts **<u>Human Features:</u>** settlement, urban, rural	**<u>Physical Processes:</u>** seasons, habitat **<u>Human Processes:</u>** tourism, environmental impact, pollution **<u>Diversity:</u>** compare and contrast (Australia and UK)	**<u>Techniques:</u>** (i) fieldwork techniques: symbolic representation (ii) mapping: maps, atlas, globe, continents and oceans (iii) directions: compass points, distance
	The United Kingdom **Scotland** **Edinburgh**	**<u>Location:</u>** locality, country, place, habitat, environment **<u>Physical Features:</u>** landscape, climate, weather, mountains, rivers and coasts **<u>Human features</u>:** settlement, population, urban, rural	**<u>Physical Processes:</u>** climate, habitat **<u>Human Processes:</u>** travel, tourism, farming, government **<u>Diversity:</u>** compare and contrast (London and Edinburgh)	**<u>Techniques:</u>** (i) fieldwork techniques: symbolic representation (ii)mapping: maps, symbols, pictorial representations, atlas (iii) compass points, distance

Milestone 2				
Year Group	**Unit**	**Place**	**Pattern**	**Communicate Geographically**
Year 3	**Describing Maps of the World #2**			**Mapping:** hemispheres, tropics and Equator
	Europe	**Location:** Locality and Place, Country, Region, Continent		**Mapping:** countries of Europe (identify, label, describe) Borders, Atlas (explain) Compass points. OS Map Symbols - Route Plans Hemispheres, Tropics and Equator,
	Europe: Population	**Human features:** Settlement, Population	**Human Processes:** Tourism, borders **Diversity:** Compare and contrast Similarity & difference	**Mapping:** Maps, Atlas, Globe, Continents and Oceans, Direction: compass points,
	Europe: Rivers Danube	**Physical Features:** landscape, climate, weather, resources, rivers and coasts, **Human Features:** Settlements, Transport Networks	**Physical Processes:** Climate, Ocean Currents, erosion, weathering, water cycle, ecosystem, habitat **Human Processes:** Travel, Tourism, Economy, Trade,	**Mapping:** Maps, Atlas, Countries, Regions Continents
	Europe: Mountains Alps	**Physical Features:** Mountains, landscape	**Physical Processes:** Weathering	
	Transportation: Cities **National and International Networks**	**Location:** Locality, country, region, place **Physical Features:** landscape, climate,	**Physical Processes:** Climate **Human Processes:** Travel, Import & Export,	**Mapping:** Maps, routes, **Direction:** compass points, distance, travel

		Human Features: Settlement, population, density, transport network,	**Diversity:** Sustainability and Change (Environmental, Climate, Pollution)	
Year 4	**Describing Maps of the World #3**	**Location:** Locality, country, region, place, environment,		**Techniques** i) Fieldwork Techniques**:** Observation, Measurement (distance, temperature, frequency) ii) Mapping: Maps, Atlas, Globe, Continents and Oceans, iii)Directions: distance
	Erosion and Deposition - **Rivers** - **Coasts** - **Coastal Management**	**Location:** Locality, environment, **Physical Features:** Landscape, oceans, mountains, rivers and coasts, **Human Features:** Settlement, population,	**Physical Processes:** Ocean Currents, erosion, weathering, **Diversity** i) Compare and Contrast ii) Changes iii) Impact	**Techniques** i) Fieldwork Techniques**:** Observation
	The Water Cycle	**Location:** environment **Physical Features:** weather, mountains, rivers and coasts, atmosphere	**Physical Processes:** water cycle, weather systems, seasons **Diversity:** i) Compare and Contrast i) Interconnections	
	Clouds and precipitation	**Physical Features:** climate, weather, oceans, mountains, rivers and coasts, atmosphere	**Physical Processes:** Climate, water cycle, weather systems, seasons	**Techniques:** i) Fieldwork Techniques**:** Observation (*Going outside to observe the different types of clouds)*

			Diversity: i) Compare and Contrast *(Comparing the different types of cloud)* i) Interconnections *(Connecting with the water cycle)*	
	Climate Change	**Physical Features:** climate, atmosphere **Human Features:** population, transport, land use: urban	**Physical Processes:** Climate **Human Processes:** Travel, Industry, Farming, Environmental impact, Climate Change, Pollution, Extreme weather, Population Growth **Diversity:** ii) Changes iii) Impact iv) Sustainability	
	International Trade: **Natural Resources** **Tourism** **Food and drink**	**Location:** Locality, country, region, place , environment, **Physical Features:** landscape, climate, weather, resources, oceans, atmosphere **Human Features:** population, density, transport network, land use: urban, rural	**Physical Processes:** Climate, weather systems, seasons **Human Processes:** Travel, Tourism, Economy, Trade, Import & Export, Migration, Industry, Farming, Government, Politics, borders **Sustainability:** i) Change (Environmental, Climate, Pollution) ii) Impact (Extreme weather, growth) iii) Compare and contrast iv) Similarity & difference	**Fieldwork Techniques:** Observation, Measurement (distance, temperature, frequency), recording data, classification, graphs, symbolic representation (using symbols) **Mapping:** Maps, routes, symbols, Pictorial Representations, Atlas, Globe, Continents and oceans **Direction:** distance, travel

Milestone 3				
Year Group	**Unit**	**Place**	**Pattern**	**Communicate Geographically**
Year 5	**Mapping The World (M1) Revision**	**<u>Location</u>** Country, continents, Climate Zones **<u>Physical features</u>** Oceans	**<u>Human processes</u>** Borders	**<u>Mapping</u>:** 4 figure grid references Globe, continents, pictorial representations, atlas, maps,
	North America: (Population, Rivers and Mountains)	**<u>Physical Features</u>** Rivers (Colorado), Mountains (Rockies), landscape, climate, weather, atmosphere **<u>Human Features</u>** settlement, population density, land use, urban, rural	**<u>Physical Processes</u>** Erosion (Colorado river), habitat (Lacandon rainforest), tectonics (Rockies mountain range), climate change, faming, extreme weather **<u>Human Processes</u>** Travel, migration, colonialism, population growth	**<u>Mapping</u>** Continents and oceans.
	Biomes: **Taiga, Tropical Rainforest,**	**<u>Physical Features</u>** Rainforest, Biome,	**<u>Physical Processes</u>** Ecosystem, weather systems, habitat, environmental impact	**<u>Mapping</u>**: Climate Zones (Deserts and Tropical)
	Earthquakes and Volcanoes **Pacific Ring**	**<u>Physical Features</u>** Volcanoes, mountains**,** earthquakes	**<u>Physical Processes</u>** Ecosystem, tectonics, ecosystem	**<u>Mapping</u>** Map, Atlas, Globe, continents
Year 6	**Using Maps: Six Figure Grid References**			**ii) Mapping:** Maps, routes, symbols, Pictorial Representations, Coordinates Atlas, Globe, Continents and Oceans, **i<u>ii)Directions:</u>** Compass points, distance, travel routes

	Water Cycle (revision topic) **Local Study - Silk Stream Flood Management Project** **This is a proposed unit in development**	**Physical Features** Rivers (Silkstream), weather, atmosphere, landscape, **Human Features** settlement, population density, land use	**Physical Process**: The Water Cycle Rivers & Flooding (Local Study) **Diversity:** Sustainability - Natural Flood Management Impact (flooding)	**Techniques:** i) Fieldwork Techniques: Observation, Measurement (distance, temperature, frequency), recording data, classification, photography, graphs,
	Biomes and climate zones **Ocean Currents** **Ice/ Polar Biome** **Marine Biome** **Freshwater Biome**	**Location:** Locality, country, region, place , environment, biome, habitat, climate zones **Physical Features:** landscape, climate, weather, resources, oceans, mountains, rivers and coasts, atmosphere **Human Features:** Settlement, population, density, transport network, land use: urban, rural	**Physical Processes:** Climate, Ocean Currents, ecosystem, **Diversity** i) Compare and Contrast i) Interconnections ii) Changes iii) Impact iv) Sustainability	**Mapping:** Features of the Globe & Atlas, Regions, Hemispheres, Tropics and Equator