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| **Geography Year 4 Medium Term Planning – Latitude and Longitude** | | | |
| **National Curriculum**   * Locational Knowledge - Locate the world’s countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities. * Geographical Skills and Fieldwork - Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied. Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies. * Locational knowledge - identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night)   Catholic Social Teaching Principles   * Stewardship | | | |
|  | Lesson 4 | Lesson 5 | Lesson 6 |
| **Learning intention** | **How can you find exact locations around the world?** | **What are time zones and how do they affect us?** | **How does day and night occur?** |
| **Recall and retrieval** | What do the lines of latitude and longitude tell us about a location? | How can you use the lines of latitude and longitude to find exact locations around the world? | If you are east of the prime meridian are you in front or behind UK time?  If you are west of the prime meridian are you in front or behind UK time? |
| **Sequence of knowledge throughout the lesson** | **Key knowledge**  WORKING GEOGRAPHICALLY  Use a map to locate Morocco.  Use the latitude and longitude lines to calculate the degrees accurately. | **Key knowledge**  0 degrees longitude determines world time zones.  reminder of meridians, lines of longitude running from north to south.  Discuss the Prime Meridian which runs from the North pole to the South Pole through Greenwich Royal Observatory in London splitting the world’s western and eastern hemispheres.  Countries east of the prime meridian are always in front of UK time.  Countries west of the prime meridian are always behind UK time. | **Key knowledge**  Explain how day and night occurs.  Earth rotates once every 24 hours.  Earth rotates anti-clockwise.  Earth orbits the sun. |
| **Scaffolding** | word mat  sentence starters  pre written sentences with selection of words to be chosen from to complete sentence | word mat  sentence starters  pre written sentences with selection of words to be chosen from to complete sentence | word mat  sentence starters  pre written sentences with selection of words to be chosen from to complete sentence |
| **Challenge** | Challenge question from the selection that requires an explanation.  Giving reasons for their answer.  Giving examples. | Challenge question from the selection that requires an explanation.  Giving reasons for their answer.  Giving examples. | Challenge question from the selection that requires an explanation.  Giving reasons for their answer.  Giving examples. |
| **Key Vocabulary**  **Tier 2** | determine  co-ordinate |  | straddle  constitutes |
| **Key Vocabulary**  **Tier 3** |  |  |  |