

Year 7 Geography Curriculum Map 2020-2021

The teachers at RMGS will be unable to teach lessons in school as well as monitor students who are self-isolating. Please read through the curriculum map and click on the suggested links. The key ideas are key words or questions that you may choose to research in more detail.

November- December

| Lesson overview | | Key ideas | Suggested reading and links to websites |
|-----------------|------------------------|--|--|
| 1 | Ordnance Survey Maps | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. What are OS maps? 2. Explain what grid lines are. 3. Research the OS symbols and draw these in your book. 4. Find an OS map and write down the key features in that area. | <p>Understanding map symbols with Steve Backshall and Ordnance Survey:< https://www.youtube.com/watch?v=o1NfYkezyS>.</p> |
| 2 | What is GIS? | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. Explain what GIS is. 2. What is spatial information? 3. Why do people use GIS? 4. Use Google Earth: try finding some of the 7 wonders of the world. 5. Create a poster to explain what GIS is. | <p>What is a GIS:< https://www.youtube.com/watch?v=-ZFmAAHBfOU>.</p> |
| 3 | Latitude and Longitude | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. Research the lines of latitude and longitude 2. Explain how to use them to locate places on Earth. 3. explain degrees and minutes 4. Explain the main lines of latitude and longitude. 5. What is the latitude and longitude for Rainham? London? Edinburgh? Cardiff? Manchester? | <p>Dr. Nagler's Laboratory: Longitude and Latitude:< https://www.youtube.com/watch?v=cTrsvGytGG0>.</p> |
| 4 | The UK | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. Find a blank map of the UK. 2. Add the countries, capitals and main physical features of the UK. 3. Colour in the mountains and lowlands of the UK. | <p>Physical Geography of United Kingdom (UK) and Ireland [Map of UK and Ireland]:< https://www.youtube.com/watch?v=1eNXMDjHbqs>.</p> |

January- April

| Lesson overview | | Key ideas | Suggested reading and links to websites |
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| 1 | Weather & Climate | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. What is the difference between weather and climate? 2. Describe the ways that we measure weather. 3. What causes the weather? 4. What are the different types of weather? 5. Where are the major climate zones? | <p>Weather vs. Climate: Crash Course Kids #28.1:< https://www.youtube.com/watch?v=YbAWny7FV3w>.</p> |
| 2 | Climate graphs | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. What is a climate graph? 2. What does it show you? 3. What do the bars represent? 4. What does the line represent? 5. Find a climate graph for a tropical rainforest and a desert. 6. Then interpret the climate graphs for two contrasting places. | <p>Climate Graphs - Geo Skills:< https://www.youtube.com/watch?v=Wv6yHl0LpgM>.</p> |
| | Microclimates | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. What is a microclimate? 2. Describe what causes microclimates. 3. Create a poster on the factors which affect microclimates. | <p>Identifying Microclimates:< https://www.youtube.com/watch?v=PzWhnudclhA>.</p> |
| | Water cycle | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. What is the water cycle? 2. Draw a diagram of the water cycle in your books. 3. What are the three different causes of rainfall? | <p>The Water Cycle The Dr. Binocs Show Learn Videos For Kids:< https://www.youtube.com/watch?v=ncORPosDrjl>.</p> |
| | Ecosystems | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. Define the following key words: <ul style="list-style-type: none"> • Ecosystems • Flora • Fauna 2. Describe a UK ecosystem. 3. Identify organisms and key characteristics of that ecosystem. 4. Research what types of flora and fauna live in a pond ecosystem in the UK. | <p>ECOSYSTEM - The Dr. Binocs Show:< https://www.youtube.com/watch?v=sKJoXdrOT70>.</p> |

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| Biomes | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. What are biomes? 2. Describe the distribution of the 8 key biomes. 3. What are the characteristics of each biome? 4. Create a poster (double A4 page) on all the biomes. | <p>BIOMES - Elementary Educational & Informational Earth Science Video:< https://www.youtube.com/watch?v=vWE2xDur4dw&t=154s>.</p> |
| Savannah | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. Write down locations that have Savannah. 2. Identify the key characteristics of the Savannah biome. 3. Research the Savannah. Write down at least 10 key facts. 4. Name the flora and fauna of that biome. | <p>Savanna Grassland Biome Facts:< https://www.youtube.com/watch?v=nKnV_7QzpNo>.</p> |
| Tropical rainforest | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. Write down the locations that have tropical rainforests. 2. Identify the key characteristics of the tropical rainforest biome. 3. Research the tropical rainforest. Write down 10 key facts. 4. Name the flora and fauna of that biome. | <p>The Tropical Rainforest Biome Facts:< https://www.youtube.com/watch?v=FK_i4BtX3So>.</p> |
| Deserts | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. Write down the locations that have deserts. 2. Identify the key characteristics of the desert biome. 3. Research the desert. Write down 10 key facts. 4. Name the flora and fauna of that biome. | <p>Desert Biome Facts:< https://www.youtube.com/watch?v=l3iqOBaCsMs>.</p> |
| Adaptations | <p><u>Answer the following questions:</u> Design an organism that is adapted to a particular biome- A3</p> <ul style="list-style-type: none"> • Invent a plant or animal that is adapted to a specific biome. • Identify characteristics of how certain species are adapted to a specific environment. | <p>Adaptations In Plants What Is ADAPTATION? :<https://www.youtube.com/watch?v=ca99WW_v0bA>.</p> |
| World soils | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. Why soils are important in shaping the environment? | <p>Who Needs Dirt?: Crash Course Kids #27.1:< https://www.youtube.com/watch?v=eCSlrlk0GTs>.</p> |

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| | | <ol style="list-style-type: none"> 2. Describe the distribution of soil types. 3. Create an information leaflet on the importance of soils. | |
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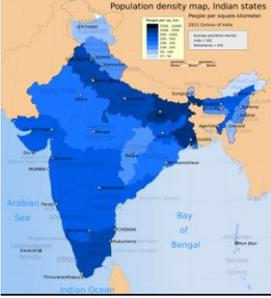
May- June

| Lesson overview | | Key ideas | Suggested reading and links to websites |
|-----------------|----------------------------------|--|---|
| 1 | The physical diversity of the UK | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. Where are uplands and lowlands of the UK? 2. What is the Tees-Exe line? | <p>Oak academy:< https://classroom.thenational.academy/units/major-landscapes-of-the-uk-4974>. [1] Lesson.</p> |
| 2 | Coastal landscapes: Waves | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. What are waves? 2. Draw a small diagram of a wave and label the key parts. 3. Split an A4 page in half and compare the two types of waves: Constructive and destructive. Include a diagram. | <p>Oak academy:< https://classroom.thenational.academy/units/coasts-efff>. [15] lessons.</p> |
| 3 | Weathering and mass movement | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. Define weathering. 2. Explain the two types of weathering: Chemical and Mechanical (physical). 3. Explain and compare the different types of mass movement e.g., Sliding and rockfalls. | <p>5 mins< GCSE (9-1) Geography - Erosion, Weathering, and Mass Movement:< https://www.youtube.com/watch?v=w-w-pAtRRtU>.</p> |
| 4 | Marine processes | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. Explain what hydraulic action, abrasion and attrition are. 2. How is material transported along beaches? 3. What is longshore drift? 4. What is deposition? <p>Case study: Dorset coast: Write a small summary of the geology and landforms on the coastline.</p> | <p>Landforms Coasts (GCSE Geography):< https://www.youtube.com/watch?v=ZWEJq03NBao&t=439s> .</p> |

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| 5 | Coastal management | <p>answer the following questions:</p> <ol style="list-style-type: none"> 1. Why does the coast need to be protected? 2. What are hard engineering strategies? Give an overview. 3. What are soft engineering strategies? Give an overview. 4. Research the costs and benefits of each type. Create a key: Social, economic & environmental. <p>Case study: Coastal realignment in Medmerry</p> | <p>GCSE (9-1) Geography - Coastal Management:< https://www.youtube.com/watch?v=6bdTRMyFJqE>.</p> |
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July

| Lesson overview | | Key ideas | Suggested reading and links to websites |
|-----------------|-------|---|--|
| 1 | India | <p>Answer the following questions:</p> <ol style="list-style-type: none"> 1. Where is India? Write a description in your book. 2. What is India like? Research 10 key facts about India. 3. Print out a blank map of India. Add the key physical and human features to the map. <ul style="list-style-type: none"> • Locate 10 cities on your maps • Add the river Ganges • Add the capital city • Add the Himalayas • Add the Arabian sea and the Bay of Bengal. • Add bordering countries: Bangladesh, Bhutan, Burma, Nepal, China, Sri Lanka and Pakistan. 4. Research key facts about the culture, economy and environment in India. | <p>Sights and Sounds of India National Geographic:< https://www.youtube.com/watch?v=B_SXNc_gugcl></p> |

| 2 | Population | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. What do we mean by population? 2. What is a choropleth map? 3. What is a population density map? 4. What do we call an area which has a lot of people per km²? 5. What do we call an area which only has a few people per km²? 6. Describe the distribution of Asia's population. 7. Describe the distribution of India's population. 8. What regions or cities have the most people? |  | | | | | | |
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| | Indian slums | <p><u>Answer the following questions:</u></p> <ol style="list-style-type: none"> 1. What are slums? 2. Why do people live there? 3. Case study: Dharavi <p>Create a table:</p> <table border="1" data-bbox="580 965 1070 1055"> <thead> <tr> <th>Social</th> <th>Environmental</th> <th>Economic</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p>Watch the two videos by Kevin McCloud and write down any observations or statistics mentioned in the episodes.</p> <ol style="list-style-type: none"> 4. Imagine you are living in the slums. Write a short story on life in the slums 5. Should Dharavi be redeveloped? Create a for and against argument. | Social | Environmental | Economic | | | | <p>Kevin McCloud: Slumming It (2010) - Ep1: https://www.youtube.com/watch?v=Im0tHRs9Bng.</p> <p>Kevin McCloud: Slumming It (2010) - Ep2: https://www.youtube.com/watch?v=l-yjpvzGKZQ.</p> |
| Social | Environmental | Economic | | | | | | | |
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