**Geography Yr7 : Optional Summer Project**

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| What is the Optional Summer Project? | |
| Biome in a box - This optional summer project is designed to get you think about ecosystems your first topic in year 8.  You may choose from the following biomes:  1. Tundra  2. Taiga (Coniferous Forest)  3. Desert  4. Temperate Deciduous Forest  5. Tropical Rain Forest  6. Grassland  7. Freshwater lake, pond, stream or river  9. Estuary  10. Coral reef  You need to research the biome using the internet. Then in a shoe box or similar recreate this biome. A background on the back and sides of the box may be painted, drawn and coloured, or made of a neat collage of pictures cut from magazines. The box should contain at least 3 animal species and at least 3 plant species. The biome should be realistically represented with geographical features such as mountains, streams, rivers, etc. You may use clay, paint, papier-mâché, small plastic trees or animals, or anything else that you can think of to portray your biome correctly. BE CREATIVE!!  If you cannot create this in a box, why not design a poster showing the same detail?  **Extension:** You have been chosen to join a scientific expedition to the biome you have chosen. While you are there you write a letter to me, describing your biome. Your letter to me should include:   * An accurate description of your biome; include what the seasons are like, how long they last. * A list of items that you would need if you were going on a camping trip to this biome. Include types of clothing, food, shelter, protection from animals, and any other items that you think would help you survive in this biome. * Descriptions of at least 3 plants and 3 animals - include their adaptations to live in your biome. | |
| What resources will I need? | |
| Internet or books to research ecosystems  Shoe box or similar  Crafting resources such as paints and colours | |
| Where can I look for more activities or resources if I would like them? | |
| If you are looking for inspiration for your biomes google ‘biome in a box’.  Looking to do more environmental projects check out:  <https://www.edenproject.com/learn/for-everyone>  <https://www.spri.cam.ac.uk/museum/resources/>  <https://www.getkidsintosurvey.com/resources/> | |
| What will I be studying when I return in September and how can I prepare? | |
| New Year 8 | Watch Planet Earth II - David Attenborough presents a documentary series exploring how animals meet the challenges of surviving in the most iconic habitats on earth.  <https://www.bbc.co.uk/iplayer/episodes/p02544td/planet-earth-ii> |