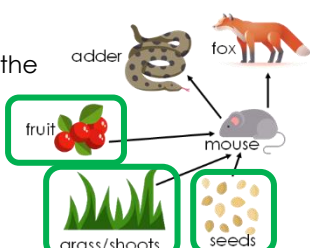
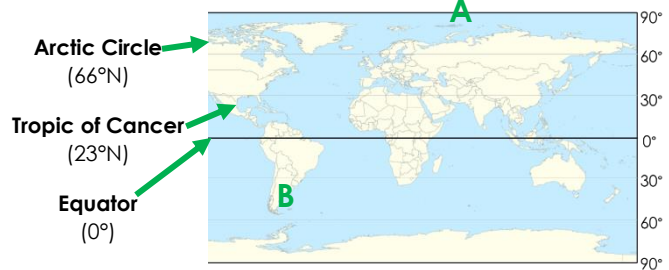
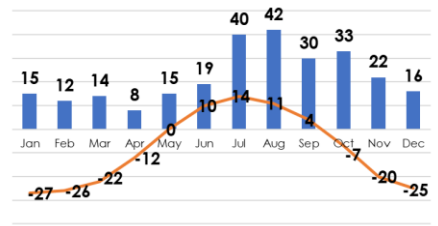


Year 7 Unit 4- Brilliant Biomes

<p>1. Define biome.</p> <p>A large scale ecosystem.</p>	<p>2. Give 3 examples of biomes.</p> <p>Tundra / coniferous forest / deciduous forest / hot desert / tropical rainforest.</p>	<p>3. Circle 2 sources of energy for the mouse.</p> 
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<p>4. Give 2 biotic ecosystem components.</p> <ul style="list-style-type: none"> • Plants / trees • Animals • People 	<p>5. Using arrows, link the 3 given latitude line names (below) to their location on the map.</p> 	<p>6. On the map in box 5, label the following:</p> <ul style="list-style-type: none"> • Put an A anywhere along the 90°N line of latitude. • Put a B in South America at 50°S.
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<p>7. At what latitudes are tropical rainforests found?</p> <p>In the low latitudes / near the equator / between the Tropics of Cancer (23°N) and Capricorn (23°S).</p>	<p>8. At what latitudes are deciduous forests found?</p> <p>Between 30° - 60°.</p>	<p>9. Why do deciduous trees lose their leaves?</p> <p>To conserve energy, water, and nutrients over the winter.</p>
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<p>10. How does leaf litter affect soil in the deciduous forest biome?</p> <p>It adds nutrients to the soil making it very fertile.</p>	<p>11. Give 2 reasons why deciduous forests are moderately biodiverse.</p> <ul style="list-style-type: none"> • Leaf fall adds nutrients which support plant growth. • Variety of plants/forest layers = habitat for a range of animal types. • Many plant and animal types can survive in the temperate climate. 	<p>12. Study the tundra climate graph then complete the sentences.</p> 
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Stretch questions	
<p>13. What evidence did you gather during fieldwork showing that we live in the deciduous forest biome? (L8, Biomes Fieldwork Record)</p> <p>During the Photo Annotation I noticed that our local vegetation changes throughout the seasons like deciduous trees, e.g., losing leaves in autumn/winter and growing buds and leaves in spring.</p> <p>I identified tree types during the Vegetation Analysis, e.g., oak and London Plane trees in my local area. These are deciduous trees.</p> <p>Also, by comparing a climate graph of my local area to the climate graphs of 4 major biomes, I could see that local climate data was very similar to the averages for the deciduous biome.</p>	<p>a) Temperature is shown by a red line. It is measured in degrees Celsius.</p> <p>b) Rainfall is shown by blue bars. It is measured in millimetres.</p> <p>c) The lowest average rainfall is 8mm in the month of April.</p>