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# Physical Geography [9th grade]

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## UbD Template 2.0

Stage 1 – Desired Results		
<p>WG.22C use geographic terminology correctly</p> <p>WG.3B describe the physical processes that affect the environments of regions, including weather, tectonic forces, erosion, and soil building processes</p> <p>WG.3C examine the physical processes that affect the lithosphere, atmosphere, hydrosphere, and biosphere</p> <p>WG.8B describe the interaction between humans and the physical environment and analyze the consequences of extreme weather and other natural disasters such as El Nino, floods, tsunamis, and volcanoes</p> <p>WG.4B describe different landforms and the physical processes that cause</p>	<b>Transfer</b>	
	<p><i>Students will independently use their learning to...</i></p> <p>Create a society that would exist in a region with predetermined physical characteristics. Students will use their knowledge of physical geography (specifically physical features, weather, and climate) to create a map that accurately represents the physical characteristics of their region, region X. They will then make inferences about how people might live/interact with the land in their hypothetical region, ultimately reflecting on the question “How does the physical geography of a region limit or enhance a society?”</p>	
	<b>Meaning</b>	
	<p><b>Understandings</b> <i>Students will understand that....</i></p> <p>Humans are influenced by their environment in a variety of ways</p> <p>There is an ongoing and fluid relationship between the lithosphere, atmosphere, hydrosphere, and biosphere</p> <p>Physical geography can enhance or limit the ability of societies to thrive</p> <p>The environment is constantly being altered by external forces</p>	<p><b>Essential Questions</b></p> <p>How does the physical world shape societies?</p> <p>In what ways does the physical geography of a region limit or enhance a society?</p>
	<b>Acquisition</b>	
<p><b>Knowledge</b> <i>Students will know...</i></p> <p>Different landforms and the processes that have created them</p> <ul style="list-style-type: none"> <li>- Tectonic forces</li> <li>- Erosion</li> <li>- Soil building processes</li> </ul> <p>The difference between the hydrosphere, biosphere, lithosphere and atmosphere</p>	<p><b>Skills</b> <i>Students will be able to...</i></p> <p>Use an atlas to locate important physical features on a map</p> <p>Analyze charts, graphs, and maps including:</p> <ul style="list-style-type: none"> <li>- Climographs</li> <li>- Maps of climate/biome zones</li> <li>- Physical maps</li> </ul> <p>Make inferences about the social and</p>	

<p>their development</p> <p>WG.4A explain how elevation, latitude, wind systems, ocean currents, position on a continent, and mountain barriers influence temperature, precipitation, and distribution of climate regions</p> <p>WG.4C explain the influence of climate on the distribution of biomes in different regions</p>	<p>The causes and consequences of extreme weather events</p> <ul style="list-style-type: none"> <li>- El Nino</li> <li>- floods</li> <li>- tsunamis</li> <li>- volcanoes</li> </ul> <p>The factors that affect climate</p> <ul style="list-style-type: none"> <li>- latitude</li> <li>- elevation</li> <li>- wind systems</li> <li>- ocean currents</li> <li>- position on a continent</li> <li>- mountain barriers</li> </ul> <p>The distribution of climate regions and biomes throughout the world and their characteristics</p>	<p>cultural structures of societies by interpreting climographs, climate maps, and the presence of physical features</p> <p>Use map keys to locate different physical characteristics of the Earth such as climate zones and physical features.</p> <p>Create a climograph</p>
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**Stage 2 – Evidence**

CODE (M or T)	Evaluative Criteria (for rubric)	
M, T	<i>See rubric</i>	<p>Performance Task(s) <i>Students will demonstrate meaning-making and transfer by...</i></p> <p>Create a society that would exist in a region with predetermined physical characteristics. Students will use their knowledge of physical geography (specifically physical features, weather, and climate) to create a map that accurately represents the physical characteristics of their region, region X. They will then make inferences about how people might live/interact with the land in their hypothetical region, ultimately reflecting on the question <i>“How does the physical geography of a region limit or enhance a society?”</i></p> <hr style="border-top: 1px dashed black;"/> <p>Other Evidence (e.g., formative)</p> <p>Sticky note activity Student worksheet Gallery walk monitoring Chalk talk Exit tickets</p>





<p>A, M</p>	<p>information provided by the teacher (guided practice before as a class will be helpful). Students will return to note taking on climate zones/regions and will end class with an exit ticket.</p> <p>Give students a diagram of an imaginary continent—have them glue this into their notebook. Students will learn about the factors of climate (<i>Climate PowerPoint</i>) and will take notes in their notebooks using the map provided.</p>	<p>Climograph Exit ticket Factors of climate Map</p>
<p>M, T</p>	<p><b>Day 8 &amp; 9 &amp; 10: Transfer Task</b> Introduce the transfer activity. Students will work in groups of 4 and will randomly select one card from each category of physical characteristics (<i>Final Project characteristics</i>) These will be the characteristics of their hypothetical region. Give each student a copy of the <i>Final Project Instructions</i> and a piece of chart paper/poster to create their map. Students will have 1-2 days to complete their project. (<i>Rubric, peer evaluation</i>)</p> <p>Once projects are complete, groups will meet with the teacher to explain their project and demonstrate their understanding of the connection between physical geography and societies.</p> <p>Students will then revisit their pre-assessment from Day 1 (chart with sticky notes) and will correct incorrect information and add new information they learned.</p>	<p>Final project handout Peer evaluations Group Map Sticky note activity</p>