

Geography Alive: Stage 3 (Years 5 & 6): Topic 2: A Diverse and Connected World

Lesson 5: Environmental Issue: Sea Level Rise Bangladesh		
<p>Content focus:</p> <p>In this lesson, students focus on an environmental issue within the context of a country and regional context. In this instance students focus on the impacts of sea-level rise in Bangladesh. In doing so, they investigate the impacts of global warming more generally.</p>	<p>Resources:</p> <ul style="list-style-type: none"> • Resource Sheet 1: Sea Level Rise Bangladesh • PowerPoint 1: Bangladesh • Access to a computer or iPad and the internet • YouTube video: <i>Sea Level Rise in Bangladesh</i> [https://www.youtube.com/watch?v=w-CcEna7B64]. A look at potential sea-level rise in Bangladesh resulting from global warming and the complete melting of the polar ice sheets. • YouTube video: <i>How global climate change is already devastating Bangladesh</i> [https://www.youtube.com/watch?v=I9yJ7K_3n50]. Bangladesh is the country most vulnerable to climate change. World leaders are trying to agree to limit the rise in global temperatures to two degrees by 2050. But for this country, that may not be enough. • YouTube video: <i>How Bangladesh has adapted to climate change</i> [outube.com/watch?v=xWG_uzLmuug]. Bangladesh is highly susceptible to climate change. Floods, cyclones and droughts are likely to increase as the Earth warms. Poor farmers are already trying to adapt. • YouTube video: <i>The World After Sea-Level Rise</i> [https://www.youtube.com/watch?v=xEOKtLy5j8w]. A flyover animation of cities underwater after the climate warms four degrees and the oceans rise. Global warming: effects of 2° vs 4°. President Donald Trump's policies may lock us into 4° of warming. 	
<p>Key inquiry questions:</p> <ul style="list-style-type: none"> • What are the key environmental issues affecting Asian countries? • How are rising sea levels likely to impact on Bangladesh? 	<p>Outcomes:</p> <p><i>A student:</i></p> <ul style="list-style-type: none"> • identifies and describes some of its key environmental issues affecting an Asian country • identifies and describes the impacts of rising sea levels on Bangladesh • acquires and communicates geographical information using geographical tools for inquiry. 	<p>Lesson sequence:</p> <ul style="list-style-type: none"> • Step 1: Show students 2–3 of the YouTube videos focusing on rising sea levels and their impact on Bangladesh. Students can also view the YouTube visualisation showing the impact of rising sea levels on some of the world's major cities. • Step 2: Reinforce the content of the video clips with the material included in Resource Sheet 1 and PowerPoint 1. Questions for discussion: <ul style="list-style-type: none"> – What are the key geographical features of Bangladesh? – What makes Bangladesh so susceptible to any rise in sea levels? – Why are sea levels rising? – What are the likely impacts of rising sea levels on Bangladesh? • Step 3: Using the internet, students are asked to investigate the impact of rising sea levels on another Asian country. • Step 4: Ask the students to outline their investigation's findings.