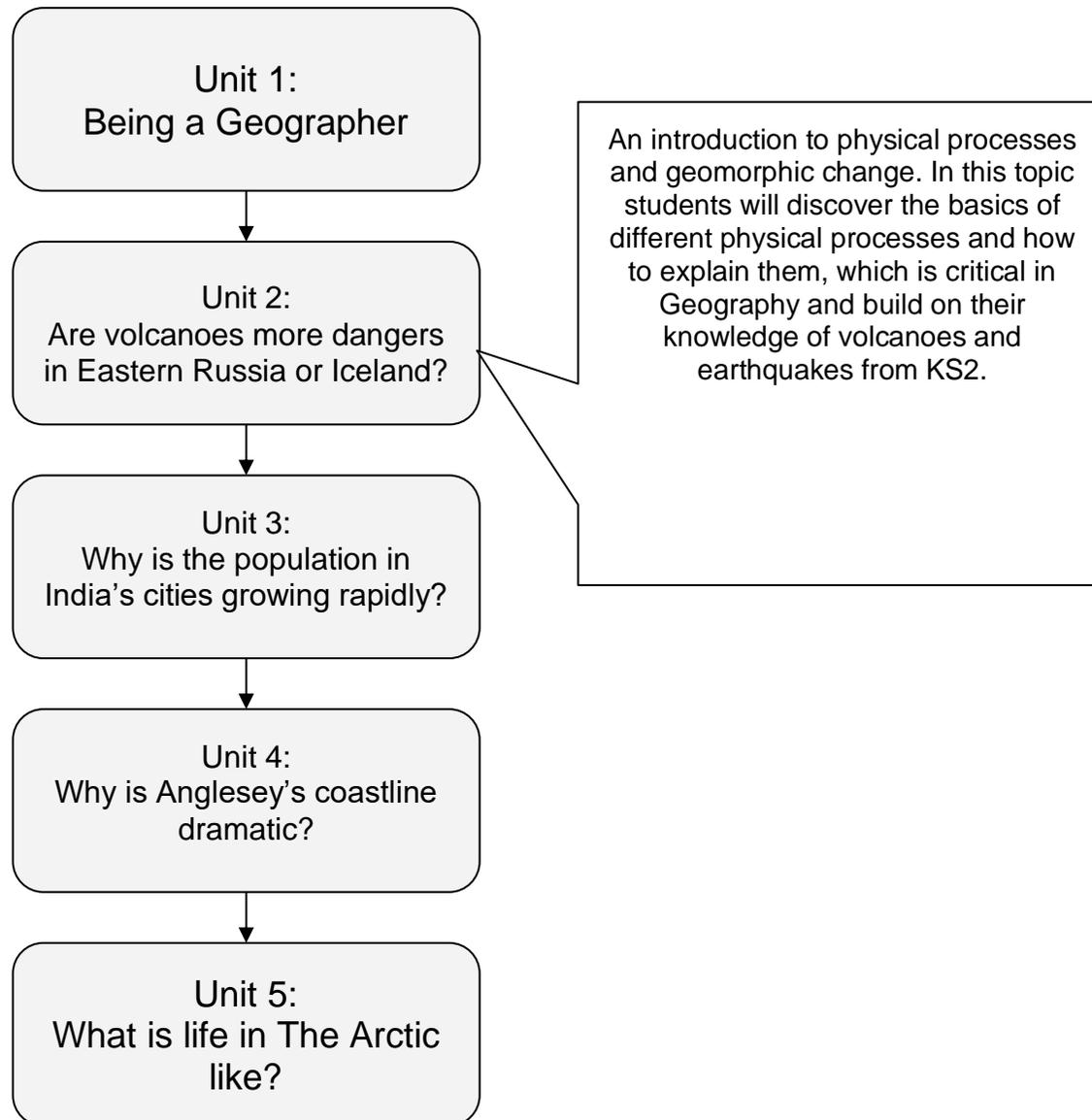


UNIT TITLE: 7.2 Are volcanoes more dangerous in eastern Russia or Iceland?



<p>Possible Lesson Breakdown:</p> <ol style="list-style-type: none"> 1) Volcanoes in Russia and Iceland 2) The structure of the earth 3) Why do plates move? 4) What happens at destructive plate boundaries? 5) What happens at constructive plate boundaries? 6) Explaining how composite volcanoes form 1 7) Diagnostic/therapies 8) Explaining how composite volcanoes form 2 9) How are some volcanoes different? 10) What happens when volcanoes erupt? 11) Which volcano is more dangerous? 12) Revision Lesson 13) End of unit assessment 	<p>Unit Knowledge: (key terms in bold)</p> <p>Knowledge Block 1</p> <ul style="list-style-type: none"> • The structure of the earth including the different layers of the earth (crust, mantle, outer core, inner core) and the characteristics of each layer. • The different types of crust and their characteristics (oceanic and continental). • Convection currents and how they lead to the movement of tectonic plates. <p>Knowledge Block 2</p> <ul style="list-style-type: none"> • The different types of plate margin (constructive and destructive). • Processes and features that occur at constructive plate boundaries, including shield volcanoes, ocean ridges and earthquakes. • Processes and features that occur at a destructive plate boundary, including composite cone volcanoes, earthquakes, deep ocean trenches and fold-mountains. 	<p>Assessment:</p> <p>Lesson 7 – Diagnostic test – KB1+KB2 Lesson 12 – End of unit assessment – KB1, KB2, KB3</p>
<p>Key Tier 2 Vocabulary</p> <ul style="list-style-type: none"> • Convection • Characteristic • Boundary • Current 	<p>Knowledge Block 3</p> <ul style="list-style-type: none"> • Characteristics of the different types of volcano (shield and composite cone). • How plate movement causes different types of volcano to form (composite cone, shield). 	<p>Literacy Tasks – Personalised feedback given on each Lesson 7 - Explain how composite volcanoes erupt (10 Marks)</p> <p>Skills Coverage</p> <ul style="list-style-type: none"> • Using aerial photographs • Using maps on a range of scales • Interpreting data to make decisions
		<p>Notes</p>

5 Year Plan Outline



Key Knowledge Themes:

- **Geomorphic change:** Tectonic processes, plate boundaries, and characteristics of volcanoes.
- **Place knowledge:** Russia, Iceland
- **A connected world:** Tectonic processes around the world and global impacts of natural hazards.

Links to Prior Learning:

- Dependent on coverage at primary school (some students arrive with basic knowledge of plate movement and some terminology). Should have covered:
 - Locate the world's geographical regions and their...physical characteristics, key topological features and understand how they have changed over time.
 - Physical Geography including: volcanoes and earthquakes.

National Curriculum Links:

- Extend their locational knowledge and deepen their spatial awareness of the world's countries of the world to focus on: Russia (focussing on their environmental regions).
- Physical geography relating to: geological timescales and plate tectonics: rocks