

# Getting Ready For Y12

## *A Level Geography*

Your Name

*Year 1 Geography*

*Tectonic Processes  
and Hazards*

Summer 2025

We are delighted you have chosen to study **Geography** at Worthing College.

**Instructions:** This pack will help you make the best possible start to studying this subject.

The tasks in this pack:

- Should take you **about 4 hours to complete**.
- Should be handed into your teacher in your first lesson when teaching starts with your name on it for assessment.
- Are also available on the internet – follow the links in the document.

**If you need help:** The tasks are designed to get a bit more difficult as you work through them as they are preparing you for studying at a higher level and to become an effective independent learner. You should try to get as far as you can working on your own but if you do need help, please email us at [gettingreadyfor@worthing.ac.uk](mailto:gettingreadyfor@worthing.ac.uk), telling us which Getting Ready For pack you are working on and what help you need. Help is available throughout the summer holidays.

All the documents can be found at the following URL:

<https://padlet.com/ESBTEC/GRFASgeog>

Skills Focus for this Getting Ready for Pack	
<ul style="list-style-type: none"><li>• <b>Research</b></li><li>• <b>Describing patterns</b></li><li>• <b>Mapping</b></li></ul>	<ul style="list-style-type: none"><li>• <b>Use of key terminology</b></li><li>• <b>Understanding geographical theories</b></li><li>• <b>Use of data to justify a point</b></li></ul>

If you need help the Worthing College 'Skills for Successful Study Programmes' can help you.

Summer work – <i>Topic Tectonic processes and hazards</i>			
Target Grade	Type of task	Task and subject specific skill reference	Deadline
All	Research and Describe	<p><b>Task 1a:</b> The global distribution of earthquakes, volcanoes and tsunamis Using a base world map (available at <a href="https://padlet.com/ESBTEC/GRFASgeog">https://padlet.com/ESBTEC/GRFASgeog</a>) locate the following (make sure to add a key):-</p> <ol style="list-style-type: none"> <li>1. Top ten most hazardous earthquakes of the past 15 years</li> <li>2. Top ten most hazardous volcano eruptions of the past 10 years</li> <li>3. Top five most hazardous tsunamis of the past 10 years</li> </ol> <p>All hazards need to be located on the same map so that you can identify multi hazard patterns. Each tectonic hazard must be located, and named with the date it occurred. Example:- Indian Ocean earthquake/Boxing Day tsunami, Boxing Day 2004. Death toll: 280,000.</p> <p><b>Task 1b:</b> Describe the distribution of these tectonic hazards.</p> <p>You should produce approx. 3/4 - 2/3 of a page for this task.</p> <p>(HINT: look for big patterns, look for links between the distribution of these different types of hazards, look for any differences).</p>	Week beginning 8 <sup>th</sup> September 2024
All	Research and Describe	<p>Listen to the following podcast (you will need to sign into the BBC website – it is free and quick to do) <a href="https://www.bbc.co.uk/programmes/w3csvpg2">https://www.bbc.co.uk/programmes/w3csvpg2</a></p> <p><b>Task 2a:</b> explain the evolution of the theory of plate tectonic</p> <p><b>Task 2b:</b> research and use the podcast to explain what was used by scientists to "prove" the theory of plate tectonics.</p> <p>Some links to help you with these tasks:</p> <p><a href="https://www.britannica.com/science/plate-tectonics/Timeline-of-the-development-of-the-theory-of-plate-tectonics">https://www.britannica.com/science/plate-tectonics/Timeline-of-the-development-of-the-theory-of-plate-tectonics</a>  <a href="http://thebritishgeographer.weebly.com/plate-tectonic-theory.html">http://thebritishgeographer.weebly.com/plate-tectonic-theory.html</a></p>	
All	Reading and questions	<p><b>Task 3a.</b> Read the chapter “An introduction to hazards” and highlight the following (make sure to have different colours): You can find the chapter on the padlet site <a href="https://padlet.com/ESBTEC/GRFASgeog">https://padlet.com/ESBTEC/GRFASgeog</a></p> <ol style="list-style-type: none"> <li>1. Key terms and definitions</li> <li>2. How different countries (MEDC and LEDC) cope with / are impacted by hazards</li> </ol> <p><b>Task 3b.</b> Answer all the questions on page 14 (there are 5 questions). These need to be developed answers where you give an in-depth, considered response. Make sure that you write the question and then your answer.</p>	
All	Reading and questions	<p>Task 4 – past and present trends in tectonic hazards Read the scans from the 3 different textbooks.</p> <ol style="list-style-type: none"> <li>1. What is the general trend in the number and type of hazards from the 1960s to present? Why is this the case?</li> <li>2. How do tectonic hazards affect MEDCs (HIC) and LEDCs (LIC) differently? Why is this the case?</li> </ol>	
Extension	Follow up question	<p>Task 5 – answer the following question</p> <ul style="list-style-type: none"> <li>• Explain why some people are more vulnerable to tectonic hazards than others</li> </ul> <p>Use your information from tasks 1, 3 and 4 to help you answer this question. Your answer should be approximately half a page long.</p>	

**Notes:**

The textbook that we use is "Geography for Edexcel A level Year 1 and AS". You can find it here:

[https://www.amazon.co.uk/Geography-Edexcel-Level-Year-Student/dp/0198366450/ref=sr\\_1\\_5?crid=FXSN57AV4HBN&keywords=edexcel+a+level+geography&qid=1560439156&s=gateway&sprefix=edexcel+a+level+geo%2Caps%2C130&sr=8-5](https://www.amazon.co.uk/Geography-Edexcel-Level-Year-Student/dp/0198366450/ref=sr_1_5?crid=FXSN57AV4HBN&keywords=edexcel+a+level+geography&qid=1560439156&s=gateway&sprefix=edexcel+a+level+geo%2Caps%2C130&sr=8-5)

There is an expectation that every student has a copy of this book to help with your independent study as well as class work (this book is not necessary for your "Getting Ready For Geography" work).

## Work Placement Week

All students are required to participate in a **compulsory** week-long work placement. It is recommended that the placement chosen is either relevant to your course, or relevant to what your future career aspirations are.

### Work placement form submission deadline

All L2 and L3 students studying on triple or double courses will be given their work placement week dates by their course leaders when they start in September.  The deadline to submit your placement forms are as follows:	Date of work placement week	Deadline for returning completed form
	Dec-25	24th October 2025
	January / February 2026	24th October 2025
	March / April 2026	19th December 2025
	May / June 2026	13th February 2026
All students studying 2 or more single subjects will have the option of either carrying out their work placement during:  <ul style="list-style-type: none"> <li>February half term</li> <li>Easter holidays</li> <li>May half term</li> <li>22nd – 26th June 2026</li> </ul> The deadline to submit your placement forms are as follows:	Date of work placement week	Deadline for returning completed form
	February half term (16th - 20th February)	Friday 24th October 2025
	Easter holidays (27th March - 13th April)	Friday 19th December 2025
	May half term (26th - 29th May)	Friday 13th February 2026
	22nd – 26th June	Friday 1st May 2026