

**Tuesday 4 June 2013 – Afternoon**

**GCSE GEOGRAPHY B**

**B561/02 Sustainable Decision Making (SDM) (Higher Tier)**

Candidates answer on the Question Paper.

**OCR supplied materials:**  
None

**Other materials required:**

- Resource Booklet (B561/01/02/RB – previously supplied)

**Duration: 1 hour**



Candidate forename		Candidate surname	
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Centre number						Candidate number				
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**INSTRUCTIONS TO CANDIDATES**

- Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer **all** the questions.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Write your answer to each question in the space provided. If additional space is required, you should use the lined pages at the end of this booklet. The question number(s) must be clearly shown.
- Do **not** write in the bar codes.

**INFORMATION FOR CANDIDATES**

- The number of marks is given in brackets [ ] at the end of each question or part question.
- You will be awarded marks in Questions **2, 4** and **5** for the quality of written communication of your answer.
- Resources 1–8 are contained in the Resource Booklet.
- The total number of marks for this paper is **40**.
- This document consists of **12** pages. Any blank pages are indicated.





**SECTION B – The Options**

**Question 3**

**Use Resource 3.**

**(a)** Briefly explain the terms:

Emergency response

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Monitoring

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**[2]**

**(b)** Suggest why countries respond to earthquakes in different ways.

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**[4]**



**SECTION C – The Decision****Question 5**

Use **Resources 6, 7(a), 7(b)** and **8**, plus any other information from the resource booklet and your own knowledge.

There are hundreds of faults that run through California. One of the most dangerous is the Hayward Fault, which runs through the San Francisco Bay Area.

The Californian Earthquake Authority (CEA) needs to decide the best way to reduce the impact of any earthquake in the Bay Area, with one of their aims being to keep communities sustainable.

You have been asked to recommend the best way for them to spend their time and money. Three possible options have been suggested.

**Option 1**

To rebuild all important facilities such as hospitals, fire stations and power stations away from the fault line.

**Option 2**

To make all new buildings meet existing strict building codes and make all older buildings earthquake proof.

**Option 3**

To improve the awareness of people in the Bay Area about the risk of earthquakes and tell them how to prepare for an earthquake.

**Task**

You have been asked to write a report to the Californian Earthquake Authority (CEA) about reducing the impact of any earthquake in the Bay Area.

You should:

- Identify **one** option which you recommend is the best way for the CEA to reduce the impact of any earthquake in the Bay Area.
- Explain why your option is **better than the other two** in keeping communities socially and economically sustainable.
- Explain why choosing only one of the options is unlikely to be effective on its own.









**ADDITIONAL ANSWER SPACE**

If additional answer space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margins.

This section of the page is a large, empty area of lined paper. It features a vertical solid line on the left side, creating a margin. The rest of the page is filled with horizontal dotted lines, providing space for students to write their answers. The lines are evenly spaced and extend across the width of the page.

The page contains a vertical solid line on the left side, approximately one-tenth of the way across the page. From this line, 25 horizontal dotted lines extend across the entire width of the page, creating a series of rows for writing. The dotted lines are evenly spaced and cover the majority of the page's vertical space.

A large area of the page is reserved for writing, featuring a vertical solid line on the left side and horizontal dotted lines extending across the page.



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