

TEACHERS WITHOUT BORDERS PROGRAMME

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basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

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In Bill Gates words, at the Mandela Day 'Living Together' address: "Maintaining the quality of this country's higher education system while expanding access to more students will not be easy. But it's critical to South Africa's future" – working together, we can help achieve this."

Contributing schools to date:

Clifton School	Milnerton High	Rustenburg Girls' High	St Peter's
Durban Girls'	Northwood High	St Anne's DC	St Stithians
Fairmont High	Roedean	St John's DSG	Wynberg Boys' High
Herzlia High	Rondebosch Boys'	St Mary's DSG Kloof	Wynberg Secondary

- 1.1 B ✓
- 1.2 D ✓
- 1.3 A ✓
- 1.4 C ✓
- 1.5 C ✓ [5]
- 2.1 Latitude is the distance of a place ✓ N and S of the equator ✓ measured in degrees ✓ and minutes ✓ 4x1=4
- 2.2 A = Arctic circle ✓
B = Tropic of Cancer ✓
C = Equator ✓
D = Antarctic circle ✓ 4x1=4
- 2.3 23,5 ✓ °N ✓ 1x2=2
- 2.4 90 ✓ °N ✓ 1x2=2
- [12]**
- 3.1 East / West ✓
- 3.2 East / West ✓
- 3.3 Greenwich Meridian / Prime Meridian ✓
- 3.4 360 ✓
- 3.5 International Date Line ✓
- 3.6 Time ✓
- 3.7 East ✓
- 3.8 East ✓
- 3.9 Greenwich Mean Time ✓
- 3.10 Lose ✓ [10]
- Question 4:**
- 4.1 Linear / Line scale ✓ 1x1=1
- 4.2 One unit on the ground ✓ represents ✓ twenty thousand units ✓ on the earth's surface ✓ 4x1=4
- 4.3 1: 4 000 000 ✓✓ 1x2=2
- 4.4 Scale is a proportion ✓ between the length on a map ✓ and the length on the ground ✓ that it shows. ✓ 4x1=4
- [11]**

Question 5:

5.1 $34^{\circ} 19' S$ ✓✓ $24^{\circ} 48'E$ ✓✓ (negative marking) 4x1=4
(16' - 22') (45' - 51')

5.2 $34^{\circ} 54' S$ ✓✓ $25^{\circ} 15'E$ ✓✓ (negative marking) 4x1=4
(51' - 57') (12' - 18')

5.2 4.3cm ✓ x 50 000 = $\frac{215\,000}{100\,000}$ ✓ = 2.15km ✓ 2x1=2
(4.2 - 4.4cm)

5.3 4.5cm ✓ x 50 000 = $\frac{225\,000}{100\,000}$ ✓ = 2.25km ✓ 2x1=2
(4.4cm - 4.6cm)

[12]

TOTAL 50