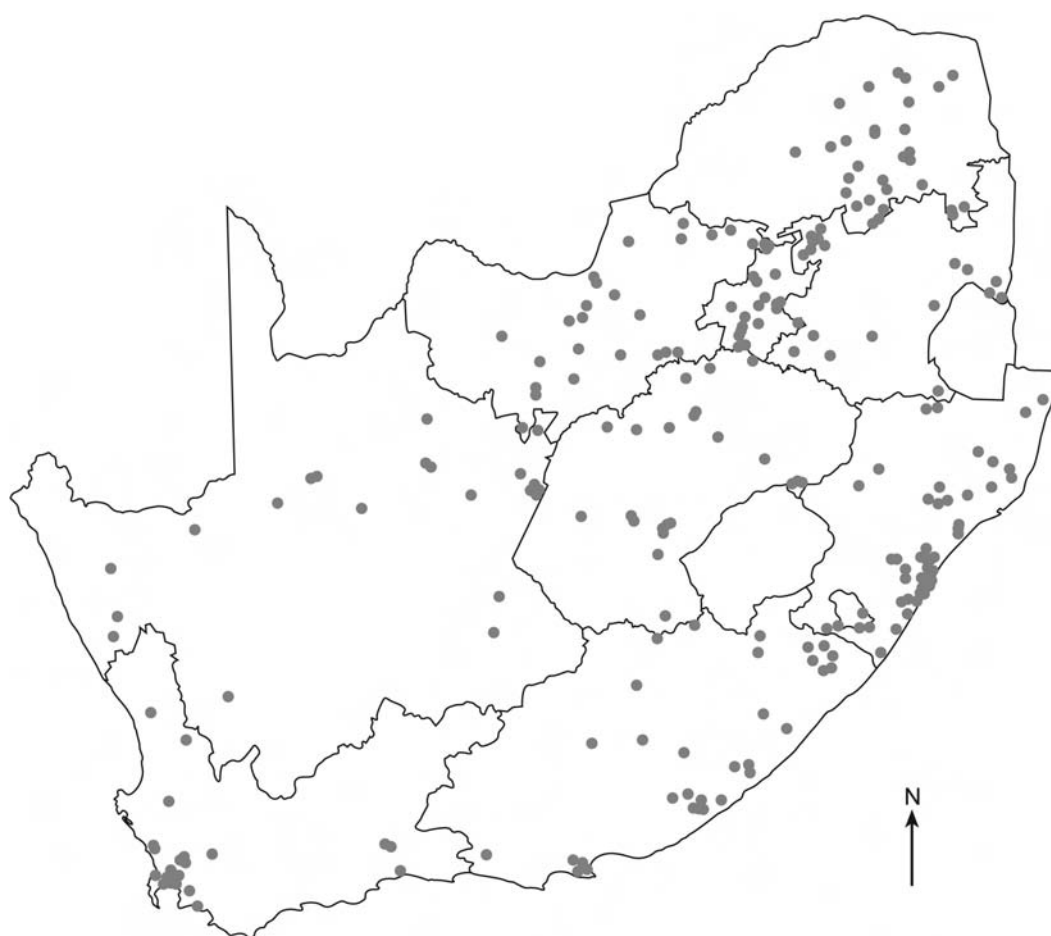


APPENDICES



APPENDIX 1: GIS plot showing South African schools that participated in TIMSS 2003



**APPENDIX 2: Profile of schools sampled in Grade 8 TIMSS,
by ex-racial department**

	Ex-DET	Ex-HoR	Ex-HoD	Ex-HoA	Total
Eastern Cape	30	2		1	33
Free State	23	1		1	25
Gauteng	16	2	2	3	23
KwaZulu-Natal	37	1	7	1	46
Mpumalanga	22			2	24
North West	24			1	25
Northern Cape	5	12		8	25
Limpopo	31				31
Western Cape	1	15		7	23
Total	189	33	9	24	255

APPENDIX 3: Profile of learners taking the TIMSS tests in Afrikaans

	Ex-DET	Ex-HoR	Ex-HoA	Total
Gauteng			32	32
Mpumalanga			31	31
North West	35			35
Northern Cape	42	236	122	400
Western Cape		414	128	542
Total	77	650	313	1 040

APPENDIX 4: 2002 South African public school statistics

Province	Learners	Educators	Schools	L:E ratio	L:S ratio
Northern Cape	194 062	6 334	459	30.6	423
Free State	693 213	21 947	2 281	31.6	304
North West	887 649	29 451	2 247	30.1	395
Western Cape	915 270	25 225	1 460	36.3	627
Mpumalanga	903 789	24 870	1 856	36.3	487
Gauteng	1 482 253	44 651	1 915	33.2	774
Limpopo	1 816 200	55 155	4 561	32.9	398
Eastern Cape	2 064 927	64 974	6 150	31.8	336
KwaZulu-Natal	2 680 993	71 624	5 560	37.4	482
TOTAL	11 638 356	344 231	26 489	33.8	439

Notes: * L:E – learner-to-educator

** L:S – learner-to-school

Source: DoE 2002c

APPENDIX 5: Socio-economic indicators by province

Indicators	Year	EC	FS	G	KZN	L	M	NW	NC	WC	SA
Area (km ²)	2001	170 616	129 437	21 025	91 481	116 824	82 333	363 389	118 710	129 386	1 223 201
Population density (persons per km ²)	2001	39	21.8	385	100.1	47.1	37.8	2.5	30.5	33.7	36.1
Population (000's)	2001	6 657	2 819	8 094	9 160	5 497	3 109	891	3 621	4 354	44 202
Urban population	2001	2 343	2 018	7 859	4 415	781	1 309	621	1 394	3 897	25 593
Urban population as % total population	2001	35.2	71.6	97.1	48.2	14.2	42.1	69.7	38.5	89.5	57.9
Non-urban population	2001	4 314	801	235	4 745	4 716	1 800	270	2 227	457	18 609
Non-urban population as % total population	2001	64.8	28.4	2.9	51.8	85.8	57.9	30.3	61.5	10.5	42.1
HDI	2003	0.62	0.67	0.74	0.63	0.59	0.65	0.61	0.69	0.77	0.67
Poverty rate (%)	2000	48.0	48.0	12.0	26.0	38.	25.	37.	35.	12.	28.5
Adult literacy (%)	2003	77.6	89.8	96.7	90.5	78.7	80.3	74.0	84.6	94.6	86.9
Life expectancy (years)	2003	50.5	48.1	51.2	43.6	51.2	46	49.3	56.8	61.5	49.2
Unemployment rate (exp. def.) (%)	2002	39.2	40.9	35.6	46.7	55.1	41.7	46.3	41	25.5	40.9
Access to electricity (%)	2001	45.8	82	84.1	62.6	56.3	74.6	74.8	77.7	88.1	65.2
Access to water (%)	2001	62.4	95.7	97.5	73.2	78	86.7	86.2	96.6	98.3	84.5
Access to sanitation (%)	2001	69.2	90.3	96.4	83.8	76.7	89.7	90.4	88.8	92.3	86.4

Notes: Access refers to:

- Electricity: electricity directly supplied by an authority for lighting purposes
- Water: access to piped water in the dwelling, piped water on site or access to a public tap
- Sanitation: access to a flush or chemical toilet or pit latrine
- Refuse removal: refuse removed by a local authority at least once a week or less often
- Telephones: access to a telephone in the dwelling or access to a cellular phone
- Poverty is measured as household consumption expenditure at R800 or less per month

EC = Eastern Cape; FS = Free State; G = Gauteng; KZN = KwaZulu-Natal; L = Limpopo; M = Mpumalanga; NW = North West; NC = Northern Cape; WC = Western Cape.

Sources: UNDP 2003; Stats SA 2000; 2001; 2002

APPENDIX 6: Schools in the TIMSS 2003 Grade 9 sample

	Ex-DET	Ex-HoR	Ex-HoD	Ex-HoA	Total
Eastern Cape	29	2		1	32
Free State	21	1		1	23
Gauteng	14	1	2	1	18
KwaZulu-Natal	35	1	6	1	43
Mpumalanga	22			2	24
North West	23			1	24
Northern Cape	4	9		7	20
Limpopo	32				32
Western Cape	1	14		7	22
Total	181	28	8	21	238

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