

Expanded Mathematics, Science and Technology Strategy



education

Department:
Education
REPUBLIC OF SOUTH AFRICA

Strategic Objectives of the National Strategy for Mathematics, Science and Technology Education (2001)

1. Performance targets in all schools
2. In every classroom a qualified and competent teacher
3. Improving the language of teaching and learning (LOLT)
4. Identifying and nurturing talent and potential
5. Co-operation with the Department of Science and Technology - NSW, camps, etc.
6. Partnerships with relevant stakeholders - resources and technical support
7. Evaluation and monitoring of MST in provinces
8. Introduce ICTs in all schools



Objectives of the Expanded MST Strategy

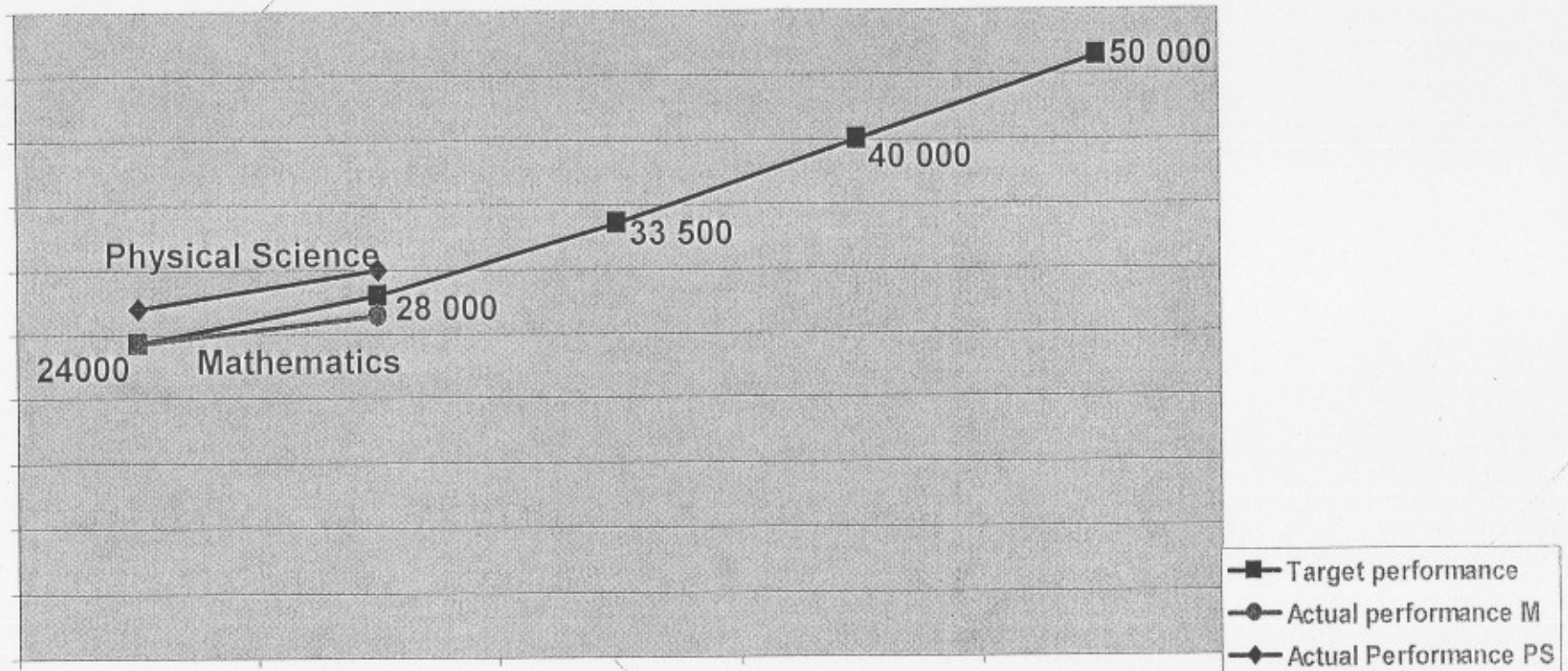
- Increase number of learners passing HG mathematics and science
- Increase number of Dinaledi schools - dedicated Mathematics and Science schools
- Provide basic 'package' of support to Dinaledi schools
- Monitor and report on progress on bi-annual basis



education

Department
Education
REPUBLIC OF SOUTH AFRICA

Performance Targets




Are we going to meet the targets set?



education
Department
Education
REPUBLIC OF SOUTH AFRICA



No passing Senior Certificate and Maths & Science (1995-2006)

Year	Total Candidates Passing	Maths HG	Maths SG	Science HG	Science SG
1995	283 742	29 475	54 947	34 895	28 020
1997	264 795	19 575	65 580	26 658	34 584
1999	249 831	19 327	79 631	23 344	54 884
2001	277 206	19 504	72 301	24 280	45 314
2003	322 492	23 412	99 426	26 067	61 756
2004	330 717	24 143	109 664	26 975	73 943
2005	347 184	26 383	112 279	29 965	73 667
2006	351 217	25 217	110 452	29 781	81 151
 education Department Education REPUBLIC OF SOUTH AFRICA					

Schools with potential to increase HG


Province	>50 SG passes	>100 SG passes
Eastern Cape	104	15
Free State	38	4
Gauteng	146	22
KwaZulu-Natal	127	8
Limpopo	18	1
Mpumalanga	27	0
Northern Cape	10	0
North West	32	3
Western Cape	76	11



education

Department
Education
REPUBLIC OF SOUTH AFRICA

Targets Mathematics HG

Province	2004 HG Passes	2005 HG Passes	2006 HG Passes	Target HG Passes 2009
Eastern Cape	1 535	1 765	1 957	3 000
Free State	1 355	1 440	1 499	3 000
Gauteng	6 604	7 377	6 894	14 000
KwaZulu-Natal	5 356	5 365	4 726	11 000
Limpopo	2 046	2 802	2 653	4 000
Mpumalanga	1 283	1 456	1 392	3 000
Northern Cape	382	413	416	1 000
North West	1 314	1 444	1 553	3 000
Western Cape	4 268	4 321	4 147	8 000
TOTAL	24 143	26 383	25 256	50 000
 education <small>Department Education REPUBLIC OF SOUTH AFRICA</small>				

Dinaledi-Performance in M&S HG in the SC 2004,2005, 2006

Province	Maths HG- 04	Maths HG-05	Maths HG-06	Science HG-04	Science HG-05	Science HG-06
E Cape	242	341	472	217	302	404
Free State	150	175	195	238	246	290
Gauteng	679	768	646	783	1 014	885
KZN	669	841	833	729	898	884
Limpopo	530	724	628	711	1 026	901
MP	260	236	228	265	292	296
N Cape	44	44	47	54	41	45
N West	367	366	444	460	454	544
W Cape	390	320	416	401	349	498
TOTAL	3 331	3 815	3 909	3 858	4 622	4 747



Pass numbers in Dinaledi schools

Interval	Number of schools with learners passing	Number of schools where learners passing increased	Number of schools where learners passing decreased
0	36	65	-
1 – 5	141	130	103
6 – 10	103	36	35
10+	120	14	17
Total	400	245	155