NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING
NATIONAL ACHIEVEMENT SURVEY - NAS
(Survey of Learning Outcomes)

District Report Card: 2017	
State: Gujarat	**District:** Vadodara
Class: 8	**Subject:** Science
Schools: 51	**Students:** 1312

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	780	59.45	532	40.55

AREA	Rural		Urban	
	Number	%	Number	%
	1033	78.73	279	21.27

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	78	5.95	189	14.41	436	33.23	609	46.42

CWSN	LD	VI	HI	S&LD	ID	Oth
	4	5	1	0	5	34

Management	Government		Government-aided	
	Number	%	Number	%
	1171	89.25	141	10.75

Average Performance of Students in Science (%)										
Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
49.91	48.33	52.22	53.15	37.92	50.77	42.74	44.36	46.00	45.43	55.04

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	50.64
SCI704	Conducts simple investigation to seek answers to queries	41.81
SCI705	Relates processes and phenomenon with causes	49.92
SCI708	Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc.	51.98
SCI710	Plots and interprets graphs	41.94
SCI711	Constructs models using materials from surroundings and explains their working	36.56
SCI801	Differentiates materials, organism and processes	59.03
SCI804	Relates processes and phenomenon with causes	42.09
SCI805	Explains processes and phenomenon	49.82
SCI807	Measures angles of incidence and reflection, etc.	39.71
SCI811	Applies learning of scientific concepts in day-to-day life	51.08
SCI813	Makes efforts to protect environment	62.58

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
316	24.09	357	27.21	428	32.62	211	16.08

Lowest Performing Learning Outcomes (LOs)

1 - Constructs models using materials from surroundings and explains their working (36.56)

2 - Measures angles of incidence and reflection, etc. (39.71)

3 - Conducts simple investigation to seek answers to queries (41.81)

4 - Plots and interprets graphs (41.94)

5 - Relates processes and phenomenon with causes (42.09)

CSWN: **LD-** Locomotor Disability; **VI-** Visual Impairment; **HI-** Hearing Impairment; **S&LD-** Speech and Language Disability; **ID-** Intellectual Disability; **Oth-** Other Disability.

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