



### District Report Card: 2017


<b>State:</b> Rajasthan	<b>District:</b> Bikaner
<b>Class:</b> 8	<b>Subject:</b> Science
<b>Schools:</b> 51	<b>Students:</b> 1283


### Participation/Coverage


#### Students

<b>GENDER</b> 	Boys		Girls	
	Number	%	Number	%
	546	42.56	737	57.44

<b>AREA</b> 	Rural		Urban	
	Number	%	Number	%
	1126	87.76	157	12.24

<b>CATEGORY</b> 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	387	30.16	3	0.23	642	50.04	251	19.56

<b>CWSN</b> 	LD	VI	HI	S&LD	ID	Oth
	2	3	3	5	1	18

<b>Management</b> 	Government		Government-aided	
	Number	%	Number	%
	1283	100.00	0	0.00

### Average Performance of Students in Science (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
57.97	57.41	58.39	57.49	61.44	57.97	0.00	53.82	60.00	60.76	57.24

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	58.66
SCI704	Conducts simple investigation to seek answers to queries	34.68
SCI705	Relates processes and phenomenon with causes	52.39
SCI708	Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc.	70.46
SCI710	Plots and interprets graphs	57.03
SCI711	Constructs models using materials from surroundings and explains their working	58.44
SCI801	Differentiates materials, organism and processes	69.64
SCI804	Relates processes and phenomenon with causes	62.97
SCI805	Explains processes and phenomenon	50.78
SCI807	Measures angles of incidence and reflection, etc.	51.68
SCI811	Applies learning of scientific concepts in day-to-day life	58.78
SCI813	Makes efforts to protect environment	77.32

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
215	16.76	241	18.78	485	37.80	342	26.66

### Lowest Performing Learning Outcomes (LOs)

- 1 - Conducts simple investigation to seek answers to queries (34.68)
- 2 - Explains processes and phenomenon (50.78)
- 3 - Measures angles of incidence and reflection, etc. (51.68)
- 4 - Relates processes and phenomenon with causes (52.39)
- 5 - Plots and interprets graphs (57.03)