



### District Report Card: 2017


<b>State:</b> Jharkhand	<b>District:</b> Bokaro
<b>Class:</b> 8	<b>Subject:</b> Science
<b>Schools:</b> 49	<b>Students:</b> 1216


### Participation/Coverage


#### Students

<div>GENDER</div> <div></div>	Boys				Girls			
	Number		%		Number		%	
	512		42.11		704		57.89	

<div>AREA</div> <div></div>	Rural				Urban			
	Number		%		Number		%	
	1080		88.82		136		11.18	

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	213	17.52	213	17.52	700	57.57	90	7.40

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	5	3	0	1	2	7

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	1187		97.62	29		2.38

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

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
55.35	55.34	55.35	53.21	72.30	55.74	39.08	53.62	53.11	57.27	49.78

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	47.59
SCI704	Conducts simple investigation to seek answers to queries	41.50
SCI705	Relates processes and phenomenon with causes	51.92
SCI708	Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc.	66.45
SCI710	Plots and interprets graphs	52.47
SCI711	Constructs models using materials from surroundings and explains their working	43.75
SCI801	Differentiates materials, organism and processes	63.16
SCI804	Relates processes and phenomenon with causes	64.97
SCI805	Explains processes and phenomenon	41.39
SCI807	Measures angles of incidence and reflection, etc.	63.90
SCI811	Applies learning of scientific concepts in day-to-day life	59.93
SCI813	Makes efforts to protect environment	69.49

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
194	15.95	289	23.77	507	41.69	226	18.59

### Lowest Performing Learning Outcomes (LOs)

- 1 - Explains processes and phenomenon (41.39)
- 2 - Conducts simple investigation to seek answers to queries (41.50)
- 3 - Constructs models using materials from surroundings and explains their working (43.75)
- 4 - Classifies materials and organisms based on properties/characteristics (47.59)
- 5 - Relates processes and phenomenon with causes (51.92)