



### District Report Card: 2017


<b>State:</b> Jharkhand	<b>District:</b> Chatra
<b>Class:</b> 8	<b>Subject:</b> Science
<b>Schools:</b> 51	<b>Students:</b> 1136


### Participation/Coverage


#### Students

<b>GENDER</b> 	Boys		Girls	
	Number	%	Number	%
	555	48.86	581	51.14

<b>AREA</b> 	Rural		Urban	
	Number	%	Number	%
	1106	97.36	30	2.64

<b>CATEGORY</b> 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	285	25.09	14	1.23	763	67.17	74	6.51

<b>CWSN</b> 	LD	VI	HI	S&LD	ID	Oth
	3	1	0	3	0	39

<b>Management</b> 	Government		Government-aided	
	Number	%	Number	%
	1114	98.06	22	1.94

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

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
60.87	58.93	62.73	61.24	47.33	60.32	89.09	58.25	72.86	61.29	64.41

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	56.80
SCI704	Conducts simple investigation to seek answers to queries	47.73
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.	76.23
SCI710	Plots and interprets graphs	56.29
SCI711	Constructs models using materials from surroundings and explains their working	57.19
SCI801	Differentiates materials, organism and processes	68.86
SCI804	Relates processes and phenomenon with causes	71.76
SCI805	Explains processes and phenomenon	51.86
SCI807	Measures angles of incidence and reflection, etc.	59.42
SCI811	Applies learning of scientific concepts in day-to-day life	63.53
SCI813	Makes efforts to protect environment	75.53

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
104	9.15	243	21.39	459	40.40	330	29.05

### Lowest Performing Learning Outcomes (LOs)

- 1 - Conducts simple investigation to seek answers to queries (47.73)
- 2 - Explains processes and phenomenon (51.86)
- 3 - Relates processes and phenomenon with causes (52.39)
- 4 - Plots and interprets graphs (56.29)
- 5 - Classifies materials and organisms based on properties/characteristics (56.80)