



### District Report Card: 2017


<b>State:</b> West Bengal	<b>District:</b> Birbhum
<b>Class:</b> 8	<b>Subject:</b> Science
<b>Schools:</b> 49	<b>Students:</b> 1037


### Participation/Coverage


#### Students

<b>GENDER</b> 	Boys		Girls	
	Number	%	Number	%
	441	42.53	596	57.47

<b>AREA</b> 	Rural		Urban	
	Number	%	Number	%
	946	91.22	91	8.78

<b>CATEGORY</b> 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	291	28.06	109	10.51	168	16.20	469	45.23

<b>CWSN</b> 	LD	VI	HI	S&LD	ID	Oth
	3	2	0	1	0	20

<b>Management</b> 	Government		Government-aided	
	Number	%	Number	%
	487	46.96	550	53.04

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

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
38.13	40.47	36.40	37.92	40.29	36.73	39.37	34.50	38.78	37.14	40.58

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	37.37
SCI704	Conducts simple investigation to seek answers to queries	22.65
SCI705	Relates processes and phenomenon with causes	40.78
SCI708	Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc.	46.67
SCI710	Plots and interprets graphs	30.57
SCI711	Constructs models using materials from surroundings and explains their working	30.37
SCI801	Differentiates materials, organism and processes	51.54
SCI804	Relates processes and phenomenon with causes	40.43
SCI805	Explains processes and phenomenon	31.84
SCI807	Measures angles of incidence and reflection, etc.	36.16
SCI811	Applies learning of scientific concepts in day-to-day life	33.57
SCI813	Makes efforts to protect environment	52.94

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
398	38.38	382	36.84	214	20.64	43	4.15

### Lowest Performing Learning Outcomes (LOs)

- 1 - Conducts simple investigation to seek answers to queries (22.65)
- 2 - Constructs models using materials from surroundings and explains their working (30.37)
- 3 - Plots and interprets graphs (30.57)
- 4 - Explains processes and phenomenon (31.84)
- 5 - Applies learning of scientific concepts in day-to-day life (33.57)