



District Report Card: 2017


State: Bihar	District: Patna
Class: 8	Subject: Science
Schools: 51	Students: 1184


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys				Girls			
	Number		%		Number		%	
	539		45.52		645		54.48	

<div>AREA</div> <div></div>	Rural				Urban			
	Number		%		Number		%	
	795		67.15		389		32.85	

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	231	19.51	3	0.25	815	68.83	135	11.40

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	6	0	0	7	0	5

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	1138		96.11	46		3.89

Average Performance of Students in Science (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
47.48	49.40	45.87	45.88	50.75	47.50	46.96	44.47	33.33	48.09	49.23

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	41.77
SCI704	Conducts simple investigation to seek answers to queries	32.39
SCI705	Relates processes and phenomenon with causes	48.41
SCI708	Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc.	64.10
SCI710	Plots and interprets graphs	40.28
SCI711	Constructs models using materials from surroundings and explains their working	31.87
SCI801	Differentiates materials, organism and processes	55.25
SCI804	Relates processes and phenomenon with causes	56.22
SCI805	Explains processes and phenomenon	34.28
SCI807	Measures angles of incidence and reflection, etc.	46.88
SCI811	Applies learning of scientific concepts in day-to-day life	49.39
SCI813	Makes efforts to protect environment	68.07

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
300	25.34	343	28.97	401	33.87	140	11.82

Lowest Performing Learning Outcomes (LOs)

- 1 - Constructs models using materials from surroundings and explains their working (31.87)
- 2 - Conducts simple investigation to seek answers to queries (32.39)
- 3 - Explains processes and phenomenon (34.28)
- 4 - Plots and interprets graphs (40.28)
- 5 - Classifies materials and organisms based on properties/characteristics (41.77)