



District Report Card: 2017


State: Punjab	District: Barnala
Class: 8	Subject: Science
Schools: 36	Students: 830


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys			Girls		
	Number		%	Number		%
	377		45.42	453		54.58

<div>AREA</div> <div></div>	Rural			Urban		
	Number		%	Number		%
	718		86.51	112		13.49

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	591	71.20	0	0.00	106	12.77	133	16.02

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	4	0	1	1	4	35

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	812		97.83	18		2.17

Average Performance of Students in Science (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
33.05	31.87	34.04	33.13	32.56	32.92	38.89	31.90	0.00	36.29	35.59

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	24.52
SCI704	Conducts simple investigation to seek answers to queries	31.46
SCI705	Relates processes and phenomenon with causes	26.67
SCI708	Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc.	29.88
SCI710	Plots and interprets graphs	25.12
SCI711	Constructs models using materials from surroundings and explains their working	20.00
SCI801	Differentiates materials, organism and processes	43.55
SCI804	Relates processes and phenomenon with causes	30.70
SCI805	Explains processes and phenomenon	32.20
SCI807	Measures angles of incidence and reflection, etc.	26.14
SCI811	Applies learning of scientific concepts in day-to-day life	32.07
SCI813	Makes efforts to protect environment	62.29

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
364	43.86	322	38.80	135	16.27	9	1.08

Lowest Performing Learning Outcomes (LOs)

- 1 - Constructs models using materials from surroundings and explains their working (20.00)
- 2 - Classifies materials and organisms based on properties/characteristics (24.52)
- 3 - Plots and interprets graphs (25.12)
- 4 - Measures angles of incidence and reflection, etc. (26.14)
- 5 - Relates processes and phenomenon with causes (26.67)