NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING
NATIONAL ACHIEVEMENT SURVEY - NAS
(Survey of Learning Outcomes)

District Report Card: 2017	
State: West Bengal	**District:** Purba Bardhaman
Class: 8	**Subject:** Science
Schools: 51	**Students:** 1172

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	543	46.33	629	53.67

AREA	Rural		Urban	
	Number	%	Number	%
	1011	86.26	161	13.74

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	391	33.36	135	11.52	253	21.59	393	33.53

CWSN	LD	VI	HI	S&LD	ID	Oth
	0	5	1	4	0	2

Management	Government		Government-aided	
	Number	%	Number	%
	379	32.34	793	67.66

Average Performance of Students in Science (%)										
Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
43.42	43.56	43.31	42.71	47.91	41.76	44.22	40.48	39.95	49.99	43.32

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	42.08
SCI704	Conducts simple investigation to seek answers to queries	21.65
SCI705	Relates processes and phenomenon with causes	45.47
SCI708	Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc.	51.02
SCI710	Plots and interprets graphs	39.05
SCI711	Constructs models using materials from surroundings and explains their working	28.86
SCI801	Differentiates materials, organism and processes	59.74
SCI804	Relates processes and phenomenon with causes	49.07
SCI805	Explains processes and phenomenon	33.90
SCI807	Measures angles of incidence and reflection, etc.	40.53
SCI811	Applies learning of scientific concepts in day-to-day life	41.83
SCI813	Makes efforts to protect environment	62.46

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
326	27.82	414	35.32	368	31.40	64	5.46

Lowest Performing Learning Outcomes (LOs)

1 - Conducts simple investigation to seek answers to queries (21.65)

2 - Constructs models using materials from surroundings and explains their working (28.86)

3 - Explains processes and phenomenon (33.90)

4 - Plots and interprets graphs (39.05)

5 - Measures angles of incidence and reflection, etc. (40.53)

CSWN: **LD-** Locomotor Disability; **VI-** Visual Impairment; **HI-** Hearing Impairment;
S&LD- Speech and Language Disability; **ID-** Intellectual Disability; **Oth-** Other Disability.

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