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

District Report Card: 2017	
State: West Bengal	**District:** Purba Medinipur
Class: 8	**Subject:** Science
Schools: 51	**Students:** 1316

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	574	43.62	742	56.38

AREA	Rural		Urban	
	Number	%	Number	%
	1197	90.96	119	9.04

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	252	19.15	21	1.60	117	8.89	926	70.36

CWSN	LD	VI	HI	S&LD	ID	Oth
	3	6	1	7	2	44

Management	Government		Government-aided	
	Number	%	Number	%
	1316	100.00	0	0.00

Average Performance of Students in Science (%)										
Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
50.18	51.29	49.33	50.63	45.66	50.18	0.00	50.48	49.21	48.83	50.30

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	46.31
SCI704	Conducts simple investigation to seek answers to queries	23.37
SCI705	Relates processes and phenomenon with causes	55.34
SCI708	Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc.	61.78
SCI710	Plots and interprets graphs	42.62
SCI711	Constructs models using materials from surroundings and explains their working	35.69
SCI801	Differentiates materials, organism and processes	66.11
SCI804	Relates processes and phenomenon with causes	46.54
SCI805	Explains processes and phenomenon	41.62
SCI807	Measures angles of incidence and reflection, etc.	48.56
SCI811	Applies learning of scientific concepts in day-to-day life	48.87
SCI813	Makes efforts to protect environment	75.46

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
236	17.93	424	32.22	500	37.99	156	11.85

Lowest Performing Learning Outcomes (LOs)

1 - Conducts simple investigation to seek answers to queries (23.37)

2 - Constructs models using materials from surroundings and explains their working (35.69)

3 - Explains processes and phenomenon (41.62)

4 - Plots and interprets graphs (42.62)

5 - Classifies materials and organisms based on properties/characteristics (46.31)

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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