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

District Report Card: 2017	
State: West Bengal	**District:** Paschim Bardhaman
Class: 8	**Subject:** Science
Schools: 51	**Students:** 1090

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	481	44.13	609	55.87

AREA	Rural		Urban	
	Number	%	Number	%
	512	46.97	578	53.03

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	349	32.02	100	9.17	201	18.44	440	40.37

CWSN	LD	VI	HI	S&LD	ID	Oth
	2	1	1	4	2	15

Management	Government		Government-aided	
	Number	%	Number	%
	517	47.43	573	52.57

Average Performance of Students in Science (%)										
Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
41.16	43.05	39.67	40.55	41.71	41.53	40.83	37.67	40.53	44.44	42.58

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	40.55
SCI704	Conducts simple investigation to seek answers to queries	20.67
SCI705	Relates processes and phenomenon with causes	41.77
SCI708	Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc.	48.72
SCI710	Plots and interprets graphs	42.94
SCI711	Constructs models using materials from surroundings and explains their working	38.35
SCI801	Differentiates materials, organism and processes	52.94
SCI804	Relates processes and phenomenon with causes	44.04
SCI805	Explains processes and phenomenon	32.91
SCI807	Measures angles of incidence and reflection, etc.	43.30
SCI811	Applies learning of scientific concepts in day-to-day life	37.83
SCI813	Makes efforts to protect environment	58.44

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
398	36.51	338	31.01	237	21.74	117	10.73

Lowest Performing Learning Outcomes (LOs)

1 - Conducts simple investigation to seek answers to queries (20.67)

2 - Explains processes and phenomenon (32.91)

3 - Applies learning of scientific concepts in day-to-day life (37.83)

4 - Constructs models using materials from surroundings and explains their working (38.35)

5 - Classifies materials and organisms based on properties/characteristics (40.55)

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