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

District Report Card: 2017	
State: Odisha	**District:** Cuttack
Class: 8	**Subject:** Science
Schools: 51	**Students:** 1312

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	651	49.62	661	50.38

AREA	Rural		Urban	
	Number	%	Number	%
	1056	80.49	256	19.51

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	358	27.29	54	4.12	674	51.37	226	17.23

CWSN	LD	VI	HI	S&LD	ID	Oth
	1	5	0	0	5	12

Management	Government		Government-aided	
	Number	%	Number	%
	1072	81.71	240	18.29

Average Performance of Students in Science (%)										
Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
53.54	55.92	51.20	54.30	50.42	54.67	48.50	51.30	51.85	55.20	52.54

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	52.16
SCI704	Conducts simple investigation to seek answers to queries	41.99
SCI705	Relates processes and phenomenon with causes	49.47
SCI708	Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc.	58.46
SCI710	Plots and interprets graphs	52.05
SCI711	Constructs models using materials from surroundings and explains their working	48.25
SCI801	Differentiates materials, organism and processes	60.62
SCI804	Relates processes and phenomenon with causes	66.36
SCI805	Explains processes and phenomenon	43.87
SCI807	Measures angles of incidence and reflection, etc.	49.31
SCI811	Applies learning of scientific concepts in day-to-day life	54.59
SCI813	Makes efforts to protect environment	73.02

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
282	21.49	328	25.00	413	31.48	289	22.03

Lowest Performing Learning Outcomes (LOs)

1 - Conducts simple investigation to seek answers to queries (41.99)

2 - Explains processes and phenomenon (43.87)

3 - Constructs models using materials from surroundings and explains their working (48.25)

4 - Measures angles of incidence and reflection, etc. (49.31)

5 - Relates processes and phenomenon with causes (49.47)

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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