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

Government of India
MHRD

NCERT

District Report Card: 2017	
State: Jharkhand	**District:** Ranchi
Class: 8	**Subject:** Science
Schools: 49	**Students:** 1214

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	504	41.52	710	58.48

AREA	Rural		Urban	
	Number	%	Number	%
	1013	83.44	201	16.56

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	97	7.99	620	51.07	460	37.89	37	3.05

CWSN	LD	VI	HI	S&LD	ID	Oth
	1	0	1	0	3	1

Management	Government		Government-aided	
	Number	%	Number	%
	990	81.55	224	18.45

Average Performance of Students in Science (%)										
Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
50.59	51.03	50.28	49.92	53.96	52.08	44.02	46.05	51.59	50.43	47.75

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	47.19
SCI704	Conducts simple investigation to seek answers to queries	39.77
SCI705	Relates processes and phenomenon with causes	45.13
SCI708	Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc.	58.15
SCI710	Plots and interprets graphs	46.67
SCI711	Constructs models using materials from surroundings and explains their working	40.00
SCI801	Differentiates materials, organism and processes	59.36
SCI804	Relates processes and phenomenon with causes	66.17
SCI805	Explains processes and phenomenon	39.66
SCI807	Measures angles of incidence and reflection, etc.	56.59
SCI811	Applies learning of scientific concepts in day-to-day life	51.70
SCI813	Makes efforts to protect environment	62.36

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
254	20.92	343	28.25	444	36.57	173	14.25

Lowest Performing Learning Outcomes (LOs)

1 - Explains processes and phenomenon (39.66)

2 - Conducts simple investigation to seek answers to queries (39.77)

3 - Constructs models using materials from surroundings and explains their working (40.00)

4 - Relates processes and phenomenon with causes (45.13)

5 - Plots and interprets graphs (46.67)

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

2