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: Punjab	**District:** Ludhiana
Class: 8	**Subject:** Science
Schools: 51	**Students:** 1389

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	721	51.91	668	48.09

AREA	Rural		Urban	
	Number	%	Number	%
	905	65.15	484	34.85

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	787	56.66	1	0.07	226	16.27	375	27.00

CWSN	LD	VI	HI	S&LD	ID	Oth
	4	15	1	6	1	60

Management	Government		Government-aided	
	Number	%	Number	%
	1151	82.87	238	17.13

Average Performance of Students in Science (%)										
Overall	**Gender**		**Area**		**Management**		**Social Group**			
	Male	**Female**	**Rural**	**Urban**	**Govt.**	**Aided**	**SC**	**ST**	**OBC**	**GEN**
34.20	**34.79**	**33.55**	**35.24**	**32.25**	**35.53**	**27.76**	**34.24**	**46.67**	**37.52**	**32.07**

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	27.51
SCI704	Conducts simple investigation to seek answers to queries	24.70
SCI705	Relates processes and phenomenon with causes	30.82
SCI708	Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc.	31.89
SCI710	Plots and interprets graphs	23.55
SCI711	Constructs models using materials from surroundings and explains their working	21.84
SCI801	Differentiates materials, organism and processes	47.09
SCI804	Relates processes and phenomenon with causes	35.18
SCI805	Explains processes and phenomenon	28.08
SCI807	Measures angles of incidence and reflection, etc.	28.73
SCI811	Applies learning of scientific concepts in day-to-day life	36.18
SCI813	Makes efforts to protect environment	60.69

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
571	41.11	529	38.08	236	16.99	53	3.82

Lowest Performing Learning Outcomes (LOs)

1 - Constructs models using materials from surroundings and explains their working (21.84)

2 - Plots and interprets graphs (23.55)

3 - Conducts simple investigation to seek answers to queries (24.70)

4 - Classifies materials and organisms based on properties/characteristics (27.51)

5 - Explains processes and phenomenon (28.08)

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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