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

District Report Card: 2017	
State: Madhya Pradesh	**District:** Katni
Class: 8	**Subject:** Science
Schools: 51	**Students:** 1080

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	525	48.61	555	51.39

AREA	Rural		Urban	
	Number	%	Number	%
	990	91.67	90	8.33

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	153	14.17	276	25.56	598	55.37	53	4.91

CWSN	LD	VI	HI	S&LD	ID	Oth
	2	5	8	9	2	17

Management	Government		Government-aided	
	Number	%	Number	%
	1080	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
35.33	36.38	34.34	35.06	38.30	35.33	0.00	35.34	32.29	36.27	40.63

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	35.62
SCI704	Conducts simple investigation to seek answers to queries	22.97
SCI705	Relates processes and phenomenon with causes	32.13
SCI708	Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc.	39.07
SCI710	Plots and interprets graphs	36.90
SCI711	Constructs models using materials from surroundings and explains their working	31.55
SCI801	Differentiates materials, organism and processes	43.32
SCI804	Relates processes and phenomenon with causes	38.81
SCI805	Explains processes and phenomenon	33.29
SCI807	Measures angles of incidence and reflection, etc.	28.33
SCI811	Applies learning of scientific concepts in day-to-day life	33.84
SCI813	Makes efforts to protect environment	52.31

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
460	42.59	384	35.56	200	18.52	36	3.33

Lowest Performing Learning Outcomes (LOs)

1 - Conducts simple investigation to seek answers to queries (22.97)

2 - Measures angles of incidence and reflection, etc. (28.33)

3 - Constructs models using materials from surroundings and explains their working (31.55)

4 - Relates processes and phenomenon with causes (32.13)

5 - Explains processes and phenomenon (33.29)

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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