NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING

NATIONAL ACHIEVEMENT SURVEY - NAS

(Survey of Learning Outcomes)

District Report Card: 2017	
State: Karnataka	**District:** Shivamogga
Class: 8	**Subject:** Science
Schools: 51	**Students:** 1326

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	714	53.85	612	46.15

AREA	Rural		Urban	
	Number	%	Number	%
	821	61.92	505	38.08

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	318	23.98	83	6.26	817	61.61	108	8.14

CWSN	LD	VI	HI	S&LD	ID	Oth
	1	3	0	1	1	23

Management	Government		Government-aided	
	Number	%	Number	%
	843	63.57	483	36.43

Average Performance of Students in Science (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
46.95	47.95	45.80	49.63	42.60	44.44	51.35	47.38	46.10	46.13	52.59

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	54.14
SCI704	Conducts simple investigation to seek answers to queries	31.61
SCI705	Relates processes and phenomenon with causes	44.24
SCI708	Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc.	41.03
SCI710	Plots and interprets graphs	44.81
SCI711	Constructs models using materials from surroundings and explains their working	41.50
SCI801	Differentiates materials, organism and processes	56.06
SCI804	Relates processes and phenomenon with causes	54.59
SCI805	Explains processes and phenomenon	41.42
SCI807	Measures angles of incidence and reflection, etc.	40.50
SCI811	Applies learning of scientific concepts in day-to-day life	42.64
SCI813	Makes efforts to protect environment	76.40

Range of Performance of Students who Answered Correctly							
Below 30%		**30% - 50%**		**50% - 75%**		**Above 75%**	
Number	%	Number	%	Number	%	Number	%
370	27.90	392	29.56	391	29.49	173	13.05

Lowest Performing Learning Outcomes (LOs)

1 - Conducts simple investigation to seek answers to queries (31.61)

2 - Measures angles of incidence and reflection, etc. (40.50)

3 - Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. (41.03)

4 - Explains processes and phenomenon (41.42)

5 - Constructs models using materials from surroundings and explains their working (41.50)

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