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

Government of India
MHRD

District Report Card: 2017	
State: Kerala	**District:** Pathanamthitta
Class: 8	**Subject:** Science
Schools: 51	**Students:** 1266

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	666	52.61	600	47.39

AREA	Rural		Urban	
	Number	%	Number	%
	977	77.17	289	22.83

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	239	18.88	14	1.11	401	31.67	612	48.34

CWSN	LD	VI	HI	S&LD	ID	Oth
	2	1	0	0	12	2

Management	Government		Government-aided	
	Number	%	Number	%
	176	13.90	1090	86.10

Average Performance of Students in Science (%)										
Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
40.73	39.57	42.02	40.63	41.08	42.73	40.41	37.46	38.10	41.95	41.27

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	43.69
SCI704	Conducts simple investigation to seek answers to queries	27.82
SCI705	Relates processes and phenomenon with causes	39.69
SCI708	Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc.	36.65
SCI710	Plots and interprets graphs	33.02
SCI711	Constructs models using materials from surroundings and explains their working	37.52
SCI801	Differentiates materials, organism and processes	56.61
SCI804	Relates processes and phenomenon with causes	44.34
SCI805	Explains processes and phenomenon	33.39
SCI807	Measures angles of incidence and reflection, etc.	46.21
SCI811	Applies learning of scientific concepts in day-to-day life	35.51
SCI813	Makes efforts to protect environment	51.18

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
369	29.15	510	40.28	359	28.36	28	2.21

Lowest Performing Learning Outcomes (LOs)

1 - Conducts simple investigation to seek answers to queries (27.82)

2 - Plots and interprets graphs (33.02)

3 - Explains processes and phenomenon (33.39)

4 - Applies learning of scientific concepts in day-to-day life (35.51)

5 - Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. (36.65)

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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