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

District Report Card: 2017	
State: Kerala	**District:** Kottayam
Class: 8	**Subject:** Science
Schools: 51	**Students:** 1277

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	676	52.94	601	47.06

AREA	Rural		Urban	
	Number	%	Number	%
	1028	80.50	249	19.50

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	132	10.34	16	1.25	599	46.91	530	41.50

CWSN	LD	VI	HI	S&LD	ID	Oth
	4	2	1	2	13	18

Management	Government		Government-aided	
	Number	%	Number	%
	198	15.51	1079	84.49

Average Performance of Students in Science (%)										
Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
40.95	40.03	41.99	41.28	39.57	40.81	40.98	40.71	35.42	41.04	41.08

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	45.91
SCI704	Conducts simple investigation to seek answers to queries	30.13
SCI705	Relates processes and phenomenon with causes	38.60
SCI708	Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc.	38.37
SCI710	Plots and interprets graphs	33.49
SCI711	Constructs models using materials from surroundings and explains their working	39.56
SCI801	Differentiates materials, organism and processes	54.86
SCI804	Relates processes and phenomenon with causes	42.99
SCI805	Explains processes and phenomenon	35.46
SCI807	Measures angles of incidence and reflection, etc.	42.13
SCI811	Applies learning of scientific concepts in day-to-day life	35.89
SCI813	Makes efforts to protect environment	50.98

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
396	31.01	519	40.64	285	22.32	77	6.03

Lowest Performing Learning Outcomes (LOs)

1 - Conducts simple investigation to seek answers to queries (30.13)

2 - Plots and interprets graphs (33.49)

3 - Explains processes and phenomenon (35.46)

4 - Applies learning of scientific concepts in day-to-day life (35.89)

5 - Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. (38.37)

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