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

District Report Card: 2017	
State: Kerala	**District:** Ernakulam
Class: 8	**Subject:** Science
Schools: 51	**Students:** 1339

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	599	44.73	740	55.27

AREA	Rural		Urban	
	Number	%	Number	%
	837	62.51	502	37.49

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	142	10.60	5	0.37	809	60.42	383	28.60

CWSN	LD	VI	HI	S&LD	ID	Oth
	6	1	2	2	8	21

Management	Government		Government-aided	
	Number	%	Number	%
	208	15.53	1131	84.47

Average Performance of Students in Science (%)										
Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
42.56	42.33	42.75	42.01	43.48	46.41	41.85	43.90	37.33	41.32	44.75

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	46.84
SCI704	Conducts simple investigation to seek answers to queries	29.15
SCI705	Relates processes and phenomenon with causes	40.44
SCI708	Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc.	44.73
SCI710	Plots and interprets graphs	37.66
SCI711	Constructs models using materials from surroundings and explains their working	38.98
SCI801	Differentiates materials, organism and processes	55.33
SCI804	Relates processes and phenomenon with causes	44.67
SCI805	Explains processes and phenomenon	34.37
SCI807	Measures angles of incidence and reflection, etc.	49.51
SCI811	Applies learning of scientific concepts in day-to-day life	37.35
SCI813	Makes efforts to protect environment	52.50

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
352	26.29	567	42.35	359	26.81	61	4.56

Lowest Performing Learning Outcomes (LOs)

1 - Conducts simple investigation to seek answers to queries (29.15)

2 - Explains processes and phenomenon (34.37)

3 - Applies learning of scientific concepts in day-to-day life (37.35)

4 - Plots and interprets graphs (37.66)

5 - Constructs models using materials from surroundings and explains their working (38.98)

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