



# NAS 2017

## NATIONAL ACHIEVEMENT SURVEY

Class : 3, 5 and 8

# District Report

## RAJANNA SIRICILLA, TELANGANA



The National Achievement Survey (NAS) conducted throughout the country on November 13, 2017 for Classes 3, 5 and 8 in government and government aided schools. The survey tools used multiple test booklets with 45 questions in Classes III and V and 60 questions in Class VIII in Mathematics, Language, Sciences and Social Sciences. The competency based test questions developed reflected the Learning Outcomes developed by the NCERT which were recently incorporated in the RTE Act by the Government of India. Along with the test items, questionnaires pertaining to students, teachers and schools were also used.

The learning levels of 2.2 million students from 1,10,000 schools across 701 districts in all 36 States/UTs were assessed of which 2890 students and 171 schools are from Rajanna Siricilla district. The findings of the survey, will help to guide education policy, planning and implementation at national, state, district and classroom levels for improving learning levels of children and bringing about qualitative improvements.



EDUCATIONAL SURVEY DIVISION  
राष्ट्रीय शैक्षिक अनुसंधान और प्रशिक्षण परिषद्  
National Council of Educational Research and Training  
Sri Aurobindo Marg, New Delhi - 110016










District Report Card: 2017	
<b>State:</b> Telangana	<b>District:</b> Rajanna
<b>Class:</b> 3	<b>Subject:</b> EVS
<b>Schools:</b> 61	<b>Students:</b> 828

### Participation/Coverage

#### Students

<b>GENDER</b> 	Boys		Girls					
	Number	%	Number	%				
	397	47.95	431	52.05				
<b>AREA</b> 	Rural		Urban					
	Number	%	Number	%				
	732	88.41	96	11.59				
<b>CATEGORY</b> 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	198	23.91	57	6.88	542	65.46	31	3.74
<b>CWSN</b> 	LD	VI	HI	S&LD	ID	Oth		
	0	2	1	19	16	0		
<b>Management</b> 	Government		Government-aided					
	Number	%	Number	%				
	818	98.79	10	1.21				

### Average Performance of Students in EVS (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
<b>68.76</b>	<b>67.37</b>	<b>70.04</b>	<b>69.73</b>	<b>61.39</b>	<b>68.75</b>	<b>69.33</b>	<b>70.20</b>	<b>59.06</b>	<b>69.23</b>	<b>69.25</b>

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
E302	Identifies simple features (e.g. movement, at places found/ kept, eating habits, sounds) of animals and birds in the immediate surroundings.	46.74
E303	Identifies relationships with and among family members	54.26
E304	Identifies objects, signs (vessels, stoves, transport, means of communication, transport, signboards etc.), places (types of houses/shelters, bus stand, petrol pump etc.) activities (works people do, cooking processes, etc.) at home/school/neighborhoods	72.66
E305	Describes need of food for people of different age groups, animals/birds, availability of food and water and use of water at home and surroundings	77.17
E307	Groups objects, birds, animals, features, activities according to differences/similarities using different senses. (e.g. appearance/place of living/ food/ movement/ likes-dislikes/ any other features)	70.68
E309	Identifies directions, location of objects/places in simple maps using signs/symbols/verbally	53.48
E310	Guesses properties, estimates quantities of materials/activities in daily life and verifies using symbols/non-standard units	72.22
E311	Records observations, experiences, information on objects/activities/places visited in different ways and predicts patterns etc.	63.16
E313	Observes rules in games (local, indoor, outdoor)	44.77
E314	Voices opinion on good/bad touch , stereotypes for tasks/play/food in family w.r.t gender, misuse/wastage of food and water in family and school.	79.59

### Range of Performance of Students who Answered Correctly

Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
52	6.28	120	14.49	302	36.47	354	42.75






### Lowest Performing Learning Outcomes (LOs)

- 1 - Observes rules in games (local, indoor, outdoor) (44.77)
- 2 - Identifies simple features (e.g. movement, at places found/ kept, eating habits, sounds) of animals and birds in the immediate surroundings. (46.74)
- 3 - Identifies directions, location of objects/places in simple maps using signs/symbols/verbally (53.48)
- 4 - Identifies relationships with and among family members (54.26)
- 5 - Records observations, experiences, information on objects/activities/places visited in different ways and predicts patterns etc. (63.16)

District Report Card: 2017			
<b>State:</b> Telangana		<b>District:</b> Rajanna	
<b>Class:</b> 3		<b>Subject:</b> Language	
<b>Schools:</b> 61		<b>Students:</b> 828	

### Participation/Coverage

#### Students

<b>GENDER</b> 	Boys				Girls			
	Number		%		Number		%	
	397		47.95		431		52.05	
<b>AREA</b> 	Rural				Urban			
	Number		%		Number		%	
	732		88.41		96		11.59	
<b>CATEGORY</b> 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	198	23.91	57	6.88	542	65.46	31	3.74
<b>CWSN</b> 	LD	VI	HI	S&LD	ID	Oth		
	0	2	1	19	16	0		
<b>Management</b> 	Government				Government-aided			
	Number		%		Number		%	
	818		98.79		10		1.21	

### Average Performance of Students in Language (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
<b>70.00</b>	<b>69.42</b>	<b>70.53</b>	<b>70.47</b>	<b>66.39</b>	<b>70.05</b>	<b>66.00</b>	<b>70.24</b>	<b>65.26</b>	<b>70.32</b>	<b>71.61</b>

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
L304	Reads small texts with comprehension i.e., identifies main ideas, details, sequence and draws conclusions	70.50
L312	Reads printed scripts on the classroom walls: poems, posters, charts etc.	69.01

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
42	5.07	115	13.89	295	35.63	376	45.41






### Lowest Performing Learning Outcomes (LOs)

- 1 - Reads printed scripts on the classroom walls: poems, posters, charts etc. (69.01)
- 2 - Reads small texts with comprehension i.e., identifies main ideas, details, sequence and draws conclusions (70.50)

District Report Card: 2017			
<b>State:</b> Telangana		<b>District:</b> Rajanna	
<b>Class:</b> 3		<b>Subject:</b> Mathematics	
<b>Schools:</b> 61		<b>Students:</b> 828	

### Participation/Coverage

#### Students

<b>GENDER</b> 	Boys				Girls			
	Number		%		Number		%	
	397		47.95		431		52.05	
<b>AREA</b> 	Rural				Urban			
	Number		%		Number		%	
	732		88.41		96		11.59	
<b>CATEGORY</b> 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	198	23.91	57	6.88	542	65.46	31	3.74
<b>CWSN</b> 	LD	VI	HI	S&LD	ID	Oth		
	0	2	1	19	16	0		
<b>Management</b> 	Government				Government-aided			
	Number		%		Number		%	
	818		98.79		10		1.21	

### Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
<b>71.81</b>	<b>71.07</b>	<b>72.50</b>	<b>72.80</b>	<b>64.31</b>	<b>71.88</b>	<b>66.00</b>	<b>73.00</b>	<b>64.68</b>	<b>72.09</b>	<b>72.47</b>

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M301	Reads and writes numbers up to 999 using place value	73.74
M302	Compares numbers up to 999 based on their place values	75.97
M303	Solves simple daily life problems using addition and subtraction of three digit numbers with and without regrouping	71.25
M304	Constructs and uses the multiplication facts (up till 10) in daily life situations	68.72
M305	Analyses and applies an appropriate number operation in the situation/ context	67.03
M306	Explains the meaning of division facts by equal grouping/sharing and finds it by repeated subtraction	73.91
M309	Identifies and makes 2D-shapes by paper folding, paper cutting on the dot grid, using straight lines etc.	85.55
M311	Fills a given region leaving no gaps using a tile of a given shape	59.47
M312	Estimates and measures length and distance using standard units like centimeters or meters & identifies relationships	44.53
M317	Reads the time correctly to the hour using a clock/watch	69.93
M318	Extends patterns in simple shapes and numbers	68.12
M319	Records data using tally marks, represents pictorially and draws conclusions	84.42

### Range of Performance of Students who Answered Correctly

Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
37	4.47	110	13.29	279	33.70	402	48.55

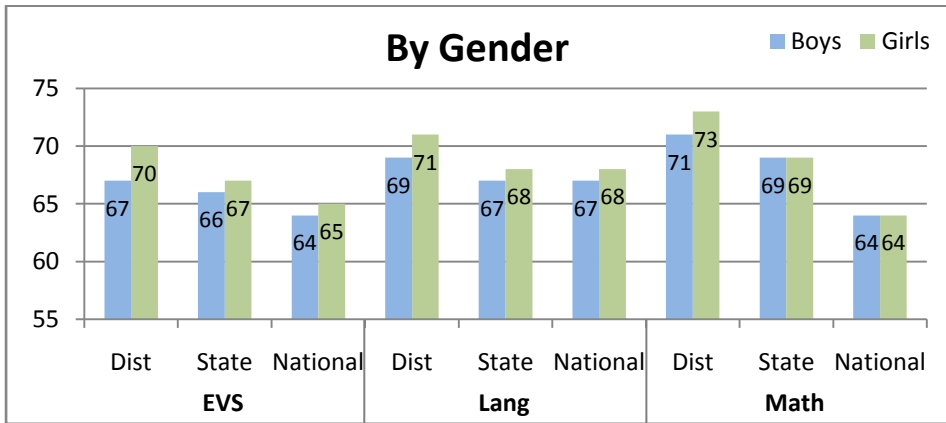
### Lowest Performing Learning Outcomes (LOs)

- 1 - Estimates and measures length and distance using standard units like centimeters or meters & identifies relationships (44.53)
- 2 - Fills a given region leaving no gaps using a tile of a given shape (59.47)
- 3 - Analyses and applies an appropriate number operation in the situation/ context (67.03)
- 4 - Extends patterns in simple shapes and numbers (68.12)
- 5 - Constructs and uses the multiplication facts (up till 10) in daily life situations (68.72)

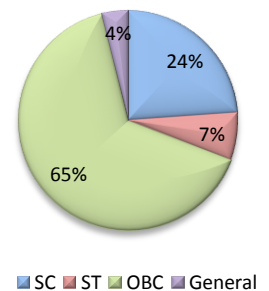
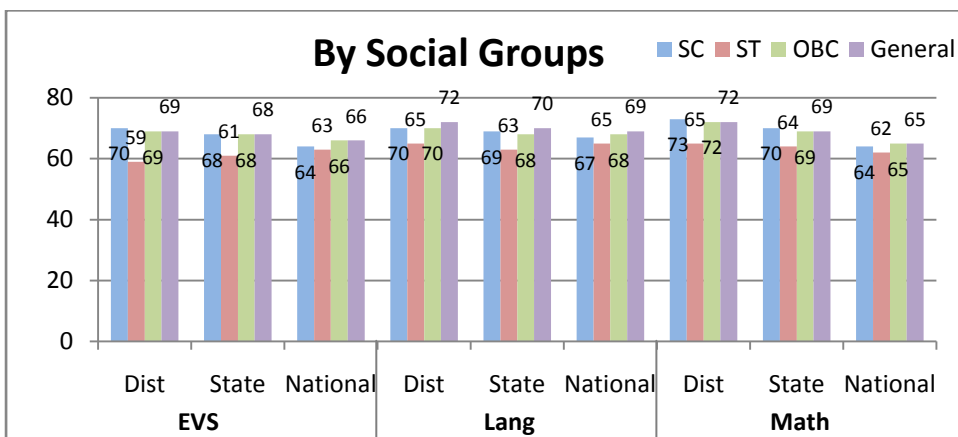
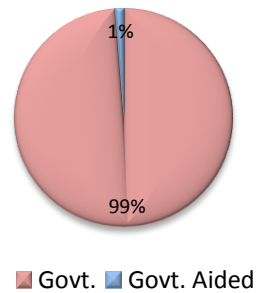
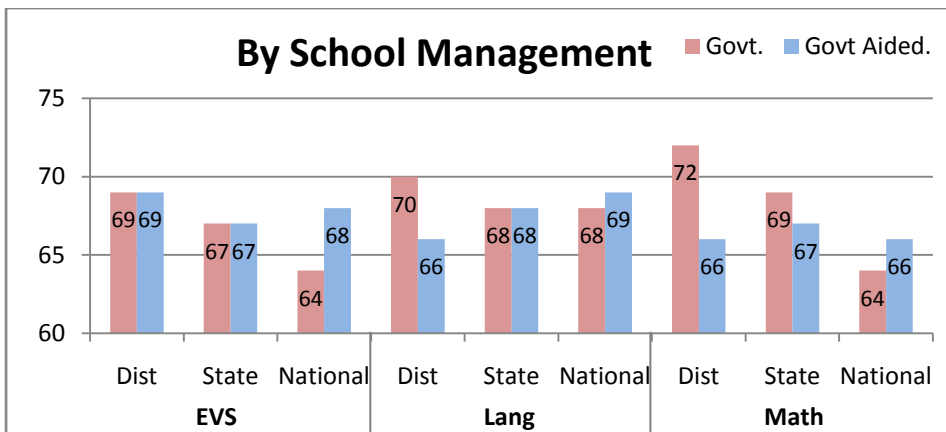
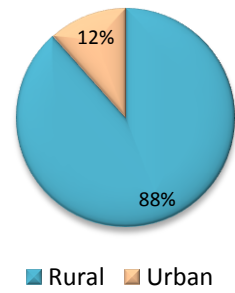
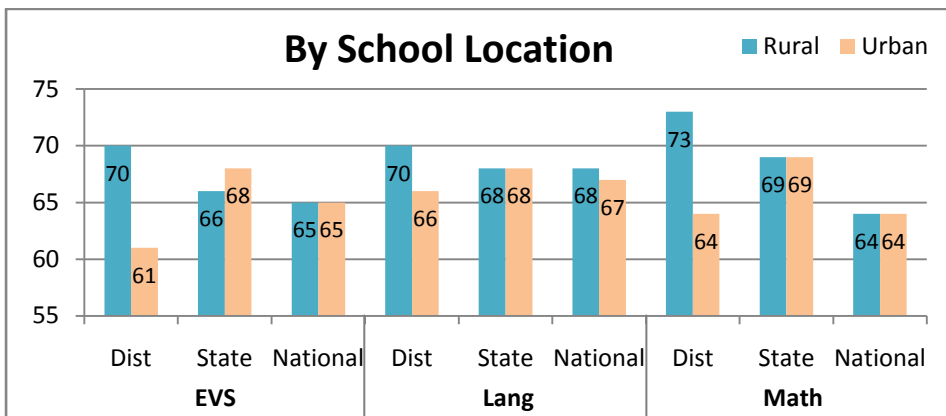
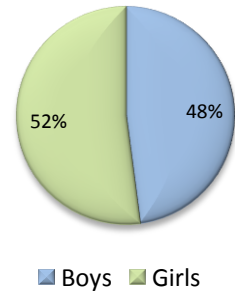


# Class 3 District Results by Student Groups

## Performance








## Participation



District Report Card: 2017	
<b>State:</b> Telangana	<b>District:</b> Rajanna
<b>Class:</b> 5	<b>Subject:</b> EVS
<b>Schools:</b> 59	<b>Students:</b> 985

### Participation/Coverage

#### Students

<b>GENDER</b> 	Boys		Girls					
	Number	%	Number	%				
	416	42.23	569	57.77				
<b>AREA</b> 	Rural		Urban					
	Number	%	Number	%				
	853	86.60	132	13.40				
<b>CATEGORY</b> 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	231	23.45	92	9.34	632	64.16	30	3.05
<b>CWSN</b> 	LD	VI	HI	S&LD	ID	Oth		
	2	0	2	2	0	2		
<b>Management</b> 	Government		Government-aided					
	Number	%	Number	%				
	985	100.00	0	0.00				

### Average Performance of Students in EVS (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
53.62	56.12	51.79	53.85	52.12	53.62	0.00	48.63	43.04	57.18	49.33

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
E403	Identifies relationship with and among family members in extended family	65.85
E410	Records observations/experiences/information for objects, activities, phenomena, places visited in different ways and predicts patterns and activities/ phenomena	68.36
E501	Explains the super senses and unusual features (sight, smell, hear, sleep, sound, etc.) of animals and their responses to light, sound, food etc.	37.97
E503	Describes the interdependence among animals, plants and humans	41.73
E504	Explains the role and functions of different institutions in daily life (Bank, Panchayat, cooperatives, police station, etc.)	63.81
E505	Establishes linkages among terrain, climate, resources (food, water, shelter, livelihood) and cultural life. (e.g. life in distant/difficult areas like hot/cold deserts)	37.32
E506	Groups objects, materials, activities for features/properties such as shape, taste, color , texture, sound, traits etc.	39.55
E507	Traces the changes in practices, customs, techniques of past and present through coins, paintings, monuments, museum etc. and interacting with elders	51.83
E508	Guesses (properties, conditions of phenomena), estimates spatial quantities (distance, area, volume, weight etc. ) and time in simple standard units and verifies using simple tools/set ups	46.00
E509	Records observations/experiences/information in an organized manner (e.g. in tables/ sketches/ bar graphs/ pie charts) and predicts patterns in activities/phenomena (e.g. floating, sinking, mixing, evaporation , germination , spoilage) to establish relation between cause and effect.	56.80
E510	Identifies signs, directions, location of different objects/landmarks of a locality /place visited in maps and predicts directions w.r.t. positions at different places for a location	60.57
E512	Voices opinions on issues observed/experienced and relates practices /happenings to larger issues of society	55.98
E513	Suggests ways for hygiene, health, managing waste, disaster/emergency situations and protecting/saving resources	62.29

### Range of Performance of Students who Answered Correctly

Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
175	17.77	288	29.24	323	32.79	199	20.20

### Lowest Performing Learning Outcomes (LOs)


- 1 - Establishes linkages among terrain, climate, resources (food, water, shelter, livelihood) and cultural life. (e.g. life in distant/difficult areas like hot/cold deserts) (37.32)
- 2 - Explains the super senses and unusual features (sight, smell, hear, sleep, sound, etc.) of animals and their responses to light, sound, food etc. (37.97)
- 3 - Groups objects, materials, activities for features/properties such as shape, taste, color , texture, sound, traits etc. (39.55)
- 4 - Describes the interdependence among animals, plants and humans (41.73)
- 5 - Guesses (properties, conditions of phenomena), estimates spatial quantities (distance, area, volume, weight etc. ) and time in simple standard units and verifies using simple tools/set ups (46.00)


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


District Report Card: 2017			
<b>State:</b> Telangana		<b>District:</b> Rajanna	
<b>Class:</b> 5		<b>Subject:</b> Language	
<b>Schools:</b> 59		<b>Students:</b> 985	


### Participation/Coverage


#### Students

 GENDER	Boys		Girls	
	Number	%	Number	%
	416	42.23	569	57.77

 AREA	Rural		Urban	
	Number	%	Number	%
	853	86.60	132	13.40

 CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	231	23.45	92	9.34	632	64.16	30	3.05

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

 Management	Government		Government-aided	
	Number	%	Number	%
	985	100.00	0	0.00

### Average Performance of Students in Language (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
<b>58.43</b>	<b>59.65</b>	<b>57.54</b>	<b>59.18</b>	<b>53.59</b>	<b>58.43</b>	<b>0.00</b>	<b>53.88</b>	<b>44.20</b>	<b>62.23</b>	<b>57.11</b>

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
L504	Reads and comprehends independently storybooks, news items/ headlines, advertisements etc.	58.31
L508	Reads text with comprehension, locates details and sequence of events	58.49

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
113	11.47	258	26.19	360	36.55	254	25.79






### Lowest Performing Learning Outcomes (LOs)

- 1 - Reads and comprehends independently storybooks, news items/ headlines, advertisements etc. (58.31)
- 2 - Reads text with comprehension, locates details and sequence of events (58.49)

District Report Card: 2017			
<b>State:</b> Telangana		<b>District:</b> Rajanna	
<b>Class:</b> 5		<b>Subject:</b> Mathematics	
<b>Schools:</b> 59		<b>Students:</b> 985	

### Participation/Coverage

#### Students

<b>GENDER</b> 	Boys				Girls			
	Number		%		Number		%	
	416		42.23		569		57.77	
<b>AREA</b> 	Rural				Urban			
	Number		%		Number		%	
	853		86.60		132		13.40	
<b>CATEGORY</b> 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	231	23.45	92	9.34	632	64.16	30	3.05
<b>CWSN</b> 	LD	VI	HI	S&LD	ID	Oth		
	2	0	2	2	0	2		
<b>Management</b> 	Government				Government-aided			
	Number		%		Number		%	
	985		100.00		0		0.00	

### Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
59.42	59.87	59.09	59.27	60.35	59.42	0.00	52.58	47.54	63.66	59.11

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M401	Applies operations of numbers in daily life situations	55.53
M412	Explores the area and perimeter of simple geometrical shapes (triangle, rectangle, square) in terms of given shape as a unit	56.59
M418	Calculates time intervals/duration of familiar daily life events by using forward or backward counting/addition and subtraction	70.30
M421	Represent the collected information in tables and bar graphs and draws inferences from these	73.20
M501	Reads and writes numbers bigger than 1000 being used in her/his surroundings	65.79
M504	Estimates sum, difference, product and quotient of numbers and verifies the same using different strategies like using standard algorithms or breaking a number and then using operation	54.07
M505	Finds the number corresponding to part of a collection	57.75
M506	Identifies and forms equivalent fractions of a given fraction	55.63
M508	Converts fractions into decimals and vice versa	74.85
M509	Classifies angles into right angle, acute angle, obtuse angle and represents the same by drawing and tracing	55.04
M512	Relates different commonly used larger and smaller units of length, weight and volume and converts larger units to smaller units and vice versa	62.80
M513	Estimates the volume of a solid body in known units.	46.65
M514	Applies the four fundamental arithmetic operations in solving problems involving money, length, mass, capacity and time intervals	52.94
M515	Identifies the pattern in triangular numbers and square number	54.62
M516	Collects data related to various daily life situations, represents it in tabular form and as bar graphs and interprets it	64.02

### Range of Performance of Students who Answered Correctly

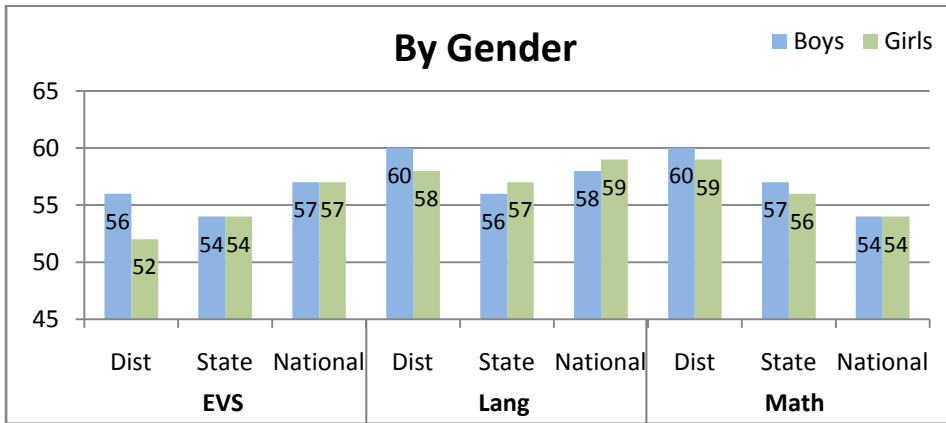
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
122	12.39	255	25.89	319	32.39	289	29.34

### Lowest Performing Learning Outcomes (LOs)

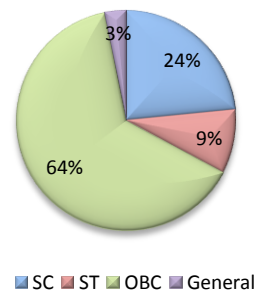
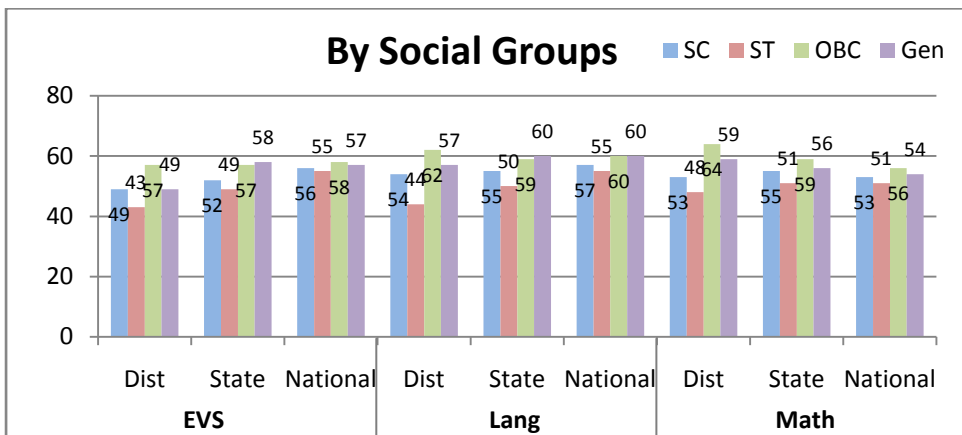
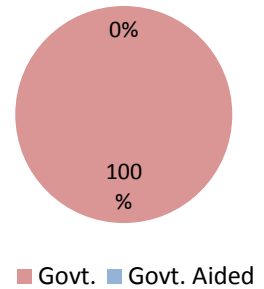
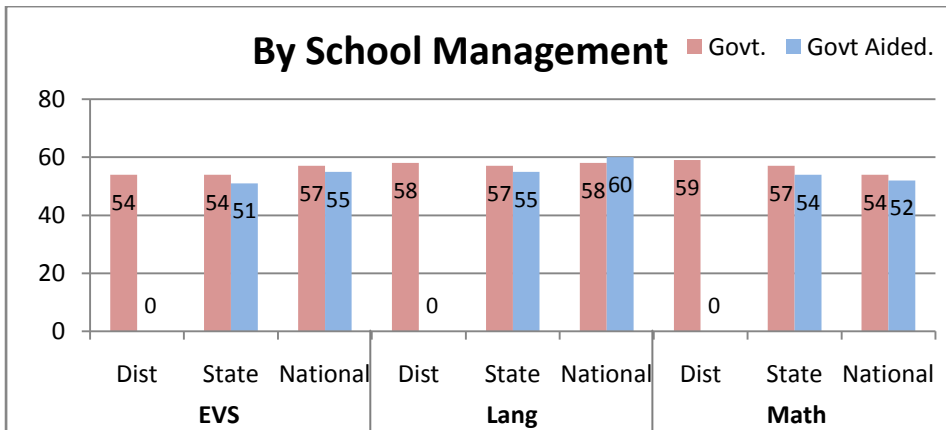
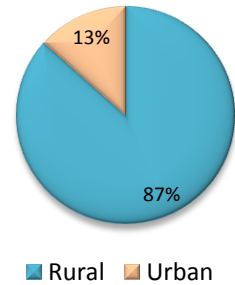
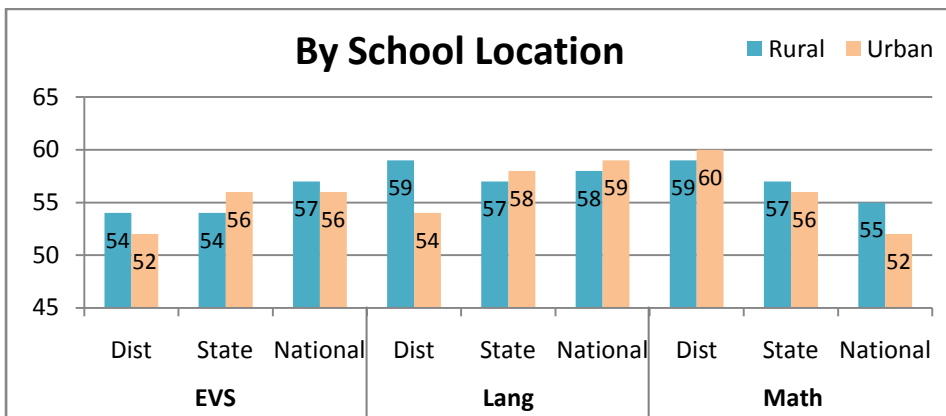
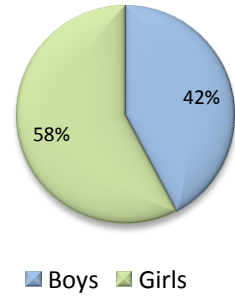
- 1 - Estimates the volume of a solid body in known units. (46.65)
- 2 - Applies the four fundamental arithmetic operations in solving problems involving money, length, mass, capacity and time intervals (52.94)
- 3 - Estimates sum, difference, product and quotient of numbers and verifies the same using different strategies like using standard algorithms or breaking a number and then using operation (54.07)
- 4 - Identifies the pattern in triangular numbers and square number (54.62)
- 5 - Classifies angles into right angle, acute angle, obtuse angle and represents the same by drawing and tracing (55.04)

# Class 5 District Results by Student Groups

## Performance



## Participation








District Report Card: 2017	
<b>State:</b> Telangana	<b>District:</b> RAJANNA
<b>Class:</b> 8	<b>Subject:</b> Language
<b>Schools:</b> 51	<b>Students:</b> 1077


### Participation/Coverage


#### Students

GENDER 	Boys		Girls	
	Number	%	Number	%
	397	36.86	680	63.14

AREA 	Rural		Urban	
	Number	%	Number	%
	940	87.28	137	12.72

CATEGORY 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	308	28.60	82	7.61	654	60.72	33	3.06

CWSN 	LD	VI	HI	S&LD	ID	Oth
	3	0	2	0	3	25

MANAGEMENT 	Government		Government-aided	
	Number	%	Number	%
	1076	99.91	1	0.09

### Average Performance of Students in Language (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
<b>52.49</b>	<b>52.44</b>	<b>52.51</b>	<b>53.57</b>	<b>45.01</b>	<b>52.51</b>	<b>26.67</b>	<b>50.13</b>	<b>47.97</b>	<b>53.75</b>	<b>60.61</b>

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
L813	Read textual/non-textual materials with comprehension and identifies the details, characters, main idea and sequence of ideas and events while reading	52.49

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
182	16.90	316	29.34	404	37.51	175	16.25

### Lowest Performing Learning Outcomes (LOs)


1 - Read textual/non-textual materials with comprehension and identifies the details, characters, main idea and sequence of ideas and events while reading (52.49)


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


District Report Card: 2017			
<b>State:</b> Telangana		<b>District:</b> RAJANNA	
<b>Class:</b> 8		<b>Subject:</b> Mathematics	
<b>Schools:</b> 51		<b>Students:</b> 1077	


### Participation/Coverage


#### Students

GENDER 	Boys		Girls	
	Number	%	Number	%
	397	36.86	680	63.14

AREA 	Rural		Urban	
	Number	%	Number	%
	940	87.28	137	12.72

CATEGORY 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	308	28.60	82	7.61	654	60.72	33	3.06

CWSN 	LD	VI	HI	S&LD	ID	Oth
	3	0	2	0	3	25

MANAGEMENT 	Government		Government-aided	
	Number	%	Number	%
	1076	99.91	1	0.09

### Average Performance of Students in EVS (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
<b>38.23</b>	<b>39.18</b>	<b>37.68</b>	<b>39.78</b>	<b>27.59</b>	<b>38.24</b>	<b>26.67</b>	<b>35.95</b>	<b>32.60</b>	<b>39.40</b>	<b>50.30</b>

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	37.78
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	32.22
M620	Finds out the perimeter and area of rectangular objects in the surroundings like floor of the class room, surfaces of a chalk box etc.	33.52
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	35.93
M702	Interprets the division and multiplication of fractions	38.35
M705	Solves problems related to daily life situations involving rational numbers	39.18
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers.	29.24
M707	Adds/subtracts algebraic expressions	40.11
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	26.44
M717	Finds out approximate area of closed shapes by using unit square grid/ graph sheet	31.48
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	52.04
M721	Interprets data using bar graph such as consumption of electricity is more in winters than summer	49.53
M801	Generalises properties of addition, subtraction, multiplication and division of rational numbers through patterns	26.44
M802	Finds rational numbers between two given rational numbers	39.11
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	46.48
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods.	31.84
M808	Use various algebraic identities in solving problems of daily life.	51.40
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	33.15
M818	Finds surface area and volume of cuboidal and cylindrical object	32.96
M819	Draws and interprets bar charts and pie charts	39.74

### Range of Performance of Students who Answered Correctly

Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
434	40.30	383	35.56	179	16.62	81	7.52

## Lowest Performing Learning Outcomes (LOs)


1. Generalises properties of addition, subtraction, multiplication and division of rational numbers through patterns (26.44)
2. Solves problems related to conversion of percentage to fraction and decimal and vice versa (26.44)
3. Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers. (29.24)
4. Finds out approximate area of closed shapes by using unit square grid/ graph sheet (31.48)
5. Finds squares, cubes, square roots and cube roots of numbers using different methods. (31.84)


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**S&LD-** Speech and Language Disability; **ID-** Intellectual Disability; **Oth-** Other Disability.


District Report Card: 2017	
<b>State:</b> Telangana	<b>District:</b> RAJANNA
<b>Class:</b> 8	<b>Subject:</b> Science
<b>Schools:</b> 51	<b>Students:</b> 1077


### Participation/Coverage


#### Students

GENDER 	Boys		Girls	
	Number	%	Number	%
	397	36.86	680	63.14

AREA 	Rural		Urban	
	Number	%	Number	%
	940	87.28	137	12.72

CATEGORY 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	308	28.60	82	7.61	654	60.72	33	3.06

CWSN 	LD	VI	HI	S&LD	ID	Oth
	3	0	2	0	3	25

MANAGEMENT 	Government		Government-aided	
	Number	%	Number	%
	1076	99.91	1	0.09

### Average Performance of Students in Science (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
<b>35.91</b>	<b>38.14</b>	<b>34.61</b>	<b>36.99</b>	<b>28.47</b>	<b>35.91</b>	<b>33.33</b>	<b>33.85</b>	<b>26.42</b>	<b>37.85</b>	<b>40.20</b>

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	39.42
SCI704	Conducts simple investigation to seek answers to queries	25.07
SCI705	Relates processes and phenomenon with causes	43.15
SCI708	Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc	34.35
SCI710	Plots and interprets graphs	30.37
SCI711	Constructs models using materials from surroundings and explains their working	30.00
SCI801	Differentiates materials, organism and processes	32.10
SCI804	Relates processes and phenomenon with causes	41.48
SCI805	Explains processes and phenomenon	35.65
SCI807	Measures angles of incidence and reflection, etc.	32.22
SCI811	Applies learning of scientific concepts in day-to-day life	39.28
SCI813	Makes efforts to protect environment	52.27

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
469	43.55	388	36.03	185	17.18	35	3.25


### Lowest Performing Learning Outcomes (LOs)


1. Conducts simple investigation to seek answers to queries (25.07)
2. Constructs models using materials from surroundings and explains their working (30)
3. Plots and interprets graphs (30.37)
4. Differentiates materials, organism and processes (32.1)
5. Measures angles of incidence and reflection, etc. (32.22)


District Report Card: 2017			
<b>State:</b> Telangana		<b>District:</b> RAJANNA	
<b>Class:</b> 8		<b>Subject:</b> Social Science	
<b>Schools:</b> 51		<b>Students:</b> 1077	


### Participation/Coverage


#### Students

GENDER 	Boys		Girls	
	Number	%	Number	%
	397	36.86	680	63.14

AREA 	Rural		Urban	
	Number	%	Number	%
	940	87.28	137	12.72

CATEGORY 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	308	28.60	82	7.61	654	60.72	33	3.06

CWSN 	LD	VI	HI	S&LD	ID	Oth
	3	0	2	0	3	25

MANAGEMENT 	Government		Government-aided	
	Number	%	Number	%
	1076	99.91	1	0.09

### Average Performance of Students in SST (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
<b>37.33</b>	<b>38.34</b>	<b>36.75</b>	<b>38.65</b>	<b>28.27</b>	<b>37.36</b>	<b>6.67</b>	<b>34.29</b>	<b>28.78</b>	<b>39.28</b>	<b>48.48</b>



## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SST605	Identifies latitudes and longitudes, e.g., poles, equator, tropics, States/UTs of India and other neighbouring countries on globe and the world map	55.71
SST610	Locates important historical sites, places on an outline map of India	19.74
SST625	Describes the functioning of rural and urban local government bodies in sectors like health and education	29.98
SST703	Explains preventive actions to be undertaken in the event of disasters	36.68
SST704	Describes formation of landforms due to various factors	38.73
SST722	Explains the significance of equality in democracy	34.44
SST726	Describes the process of election to the legislative assembly	47.22
SST731	Explains the functioning of media with appropriate examples from newspapers.	36.48
SST733	Differentiates between different kinds of markets	37.99
SST734	Traces how goods travel through various market places.	34.63
SST802	Describes major crops, types of farming and agricultural practices in her/his own area/state	53.57
SST805	Locates distribution of important minerals e.g. coal and mineral oil on the world map	37.96
SST807	Justifies judicious use of natural resources	40.60
SST809	Draws interrelationship between types of farming and development in different regions of the world	39.07
SST810	Distinguishes the modern period from the medieval and the ancient periods through the use of sources	40.74
SST815	Explains the origin, nature and spread of the revolt of 1857 and the lessons learned from it	32.22
SST816	Analyses the decline of pre-existing urban centers and handicraft industries and the development of new urban centers and industries in India during the colonial period	29.16
SST818	Analyses the issues related to caste, women, widow remarriage, child marriage, social reforms and the laws and policies of colonial administration towards these issues	27.21
SST823	Applies the knowledge of the Fundamental Rights to find out about their violation, protection and promotion in a given situation	27.02
SST827	Describes the process of making a law. (e.g. Domestic Violence Act, RTI Act, RTE Act)	36.31
SST831	Identifies the role of Government in providing public facilities such as water, sanitation, road, electricity etc., and recognizes their availability	29.62
SST833	Draws bar diagram to show population of different countries/India/states	59.44

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
429	39.83	412	38.25	186	17.27	50	4.64

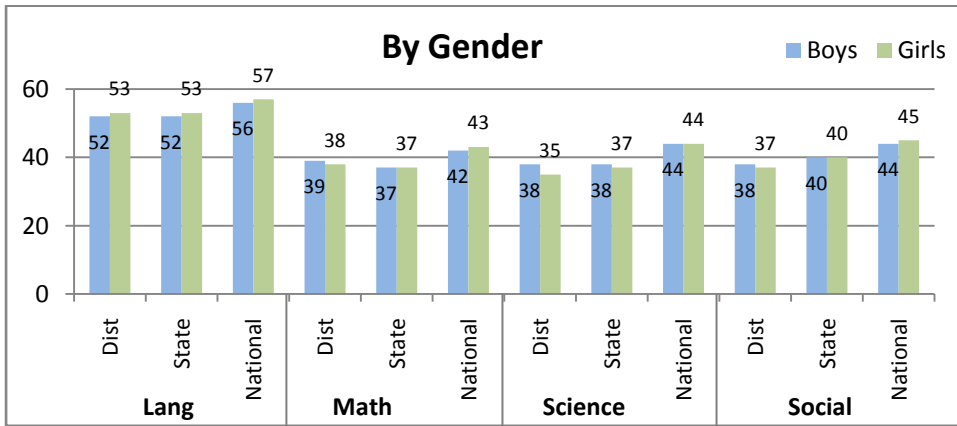
### Lowest Performing Learning Outcomes (LOs)

1. Locates important historical sites, places on an outline map of India (19.74)
2. Applies the knowledge of the Fundamental Rights to find out about their violation, protection and promotion in a given situation (27.02)
3. Analyses the issues related to caste, women, widow remarriage, child marriage, social reforms and the laws and policies of colonial administration towards these issues (27.21)
4. Analyses the decline of pre-existing urban centers and handicraft industries and the development of new urban centers and industries in India during the colonial period (29.16)
5. Identifies the role of Government in providing public facilities such as water, sanitation, road, electricity etc., and recognizes their availability (29.62)

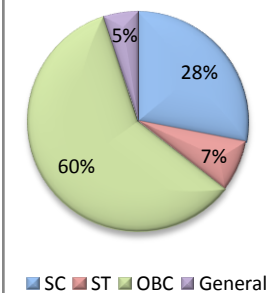
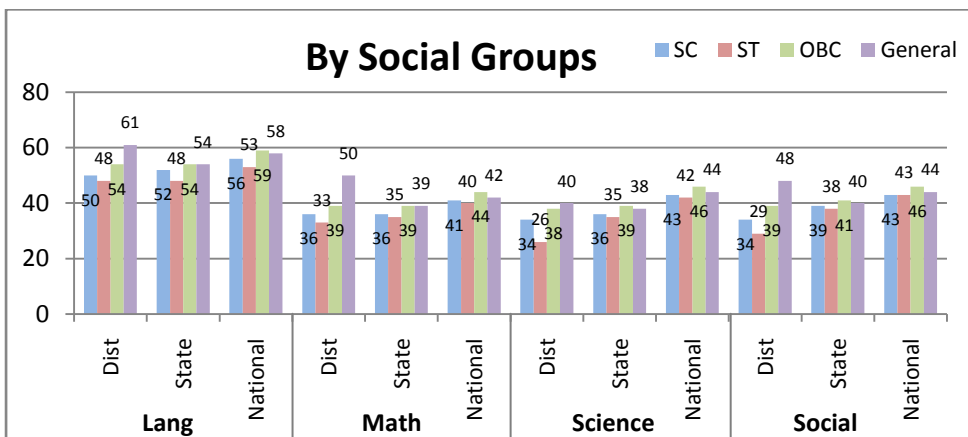
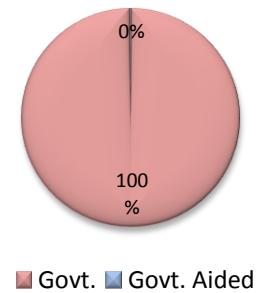
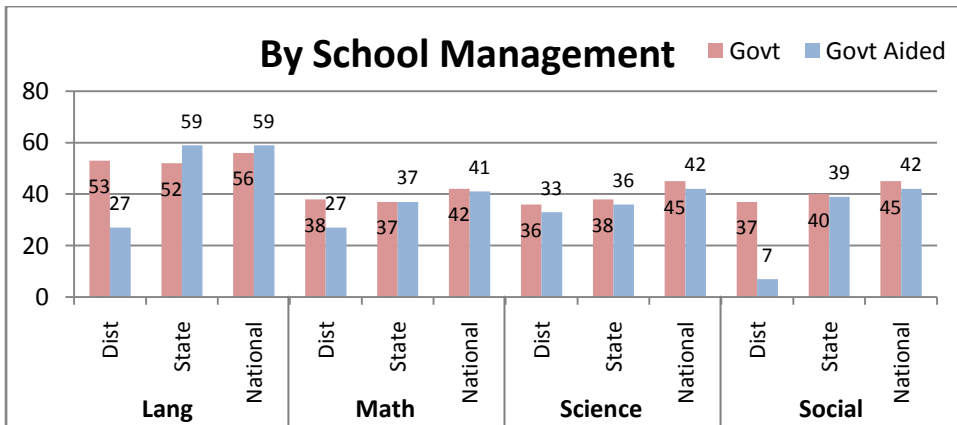
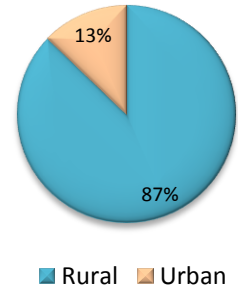
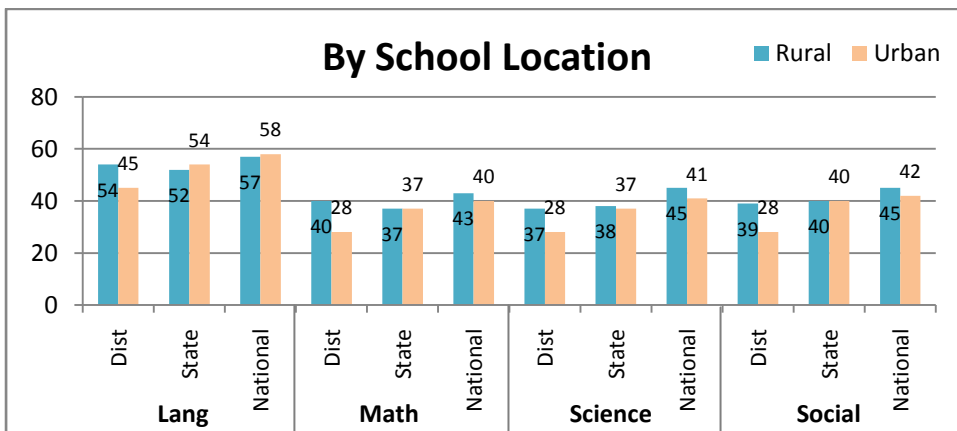
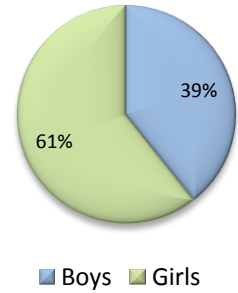
**CSWN:** **LD-** Locomotor Disability; **VI-** Visual Impairment; **HI-** Hearing Impairment;  
**S&LD-** Speech and Language Disability; **ID-** Intellectual Disability; **Oth-** Other Disability.

# Class 8 District Results by Student Groups

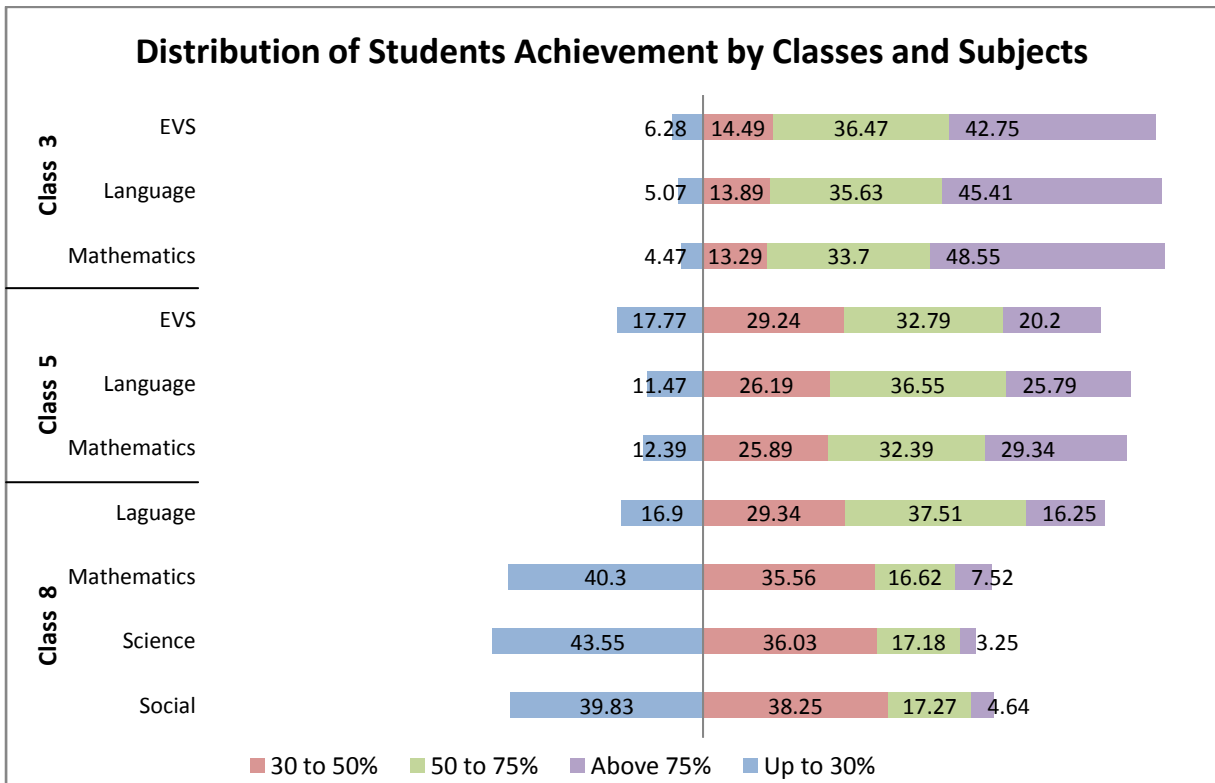
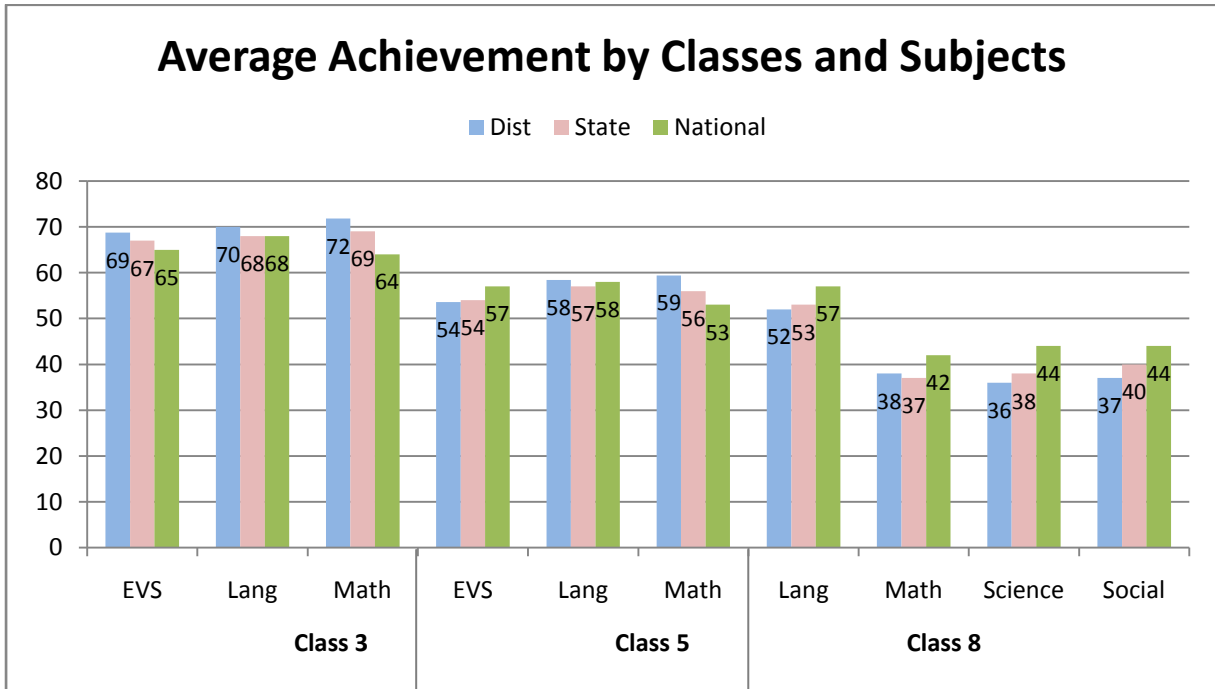
## Performance



## Participation



# RAJANNA SIRICILLA



## By Gender

In our district, we stood first in  
Class 3:  
Class 5: EVS, Language & Math  
Class 8: Math, Science & Social

In our district, we stood first in  
Class 3: EVS, Language & Math  
Class 5:  
Class 8: Language



## By School Location

### Rural Area



Performed better in

**Class 3: EVS, Language & Math**  
**Class 5: EVS, Language**  
**Class 8: Language, Math, Science & Social**

### Urban Area



Performed better in

**Class 3: EVS**  
**Class 5: Math**  
**Class 8:**

## By School Management

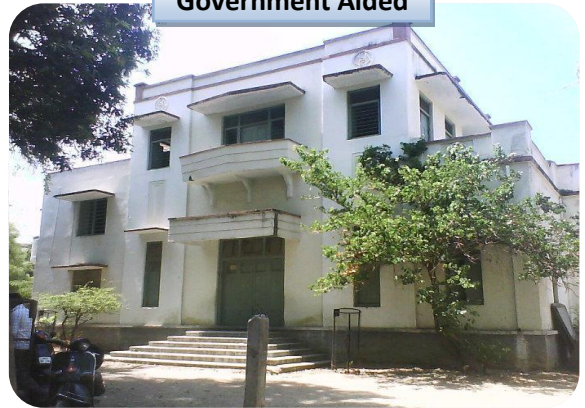
### Government



Performed better in

Class 3: EVS,  
Class 5: EVS, Language & Math  
Class 8: Language, Math, Science & Social

### Government Aided



Performed better in

Class 3: EVS  
Class 5:  
Class 8:

## By Social Groups

### SC



First in

Class 3: EVS & Math  
Class 5:  
Class 8:

### ST



First in

Class 3:  
Class 5:  
Class 8:

### OBC



First in

Class 3:  
Class 5: EVS, Language & Math  
Class 8:

### General



First in

Class 3: Language  
Class 5:  
Class 8: Language, Math, Science & Social

**Learning Outcomes on Which Performance was Below 50% Indicating Need to Strengthen Teachers**

**RAJANNA SIRICILLA**

<b>Class</b>	<b>Subject</b>	<b>Learning Outcome</b>
Class 3	Language	Nil
	EVS	E302, E313
	Mathematics	M312
Class 5	Language	Nil
	EVS	E501, E503, E505, E506, E508
	Mathematics	M513
Class 8	Language	Nil
	Mathematics	M601, M606, M620, M621, M705, M706, M707, M710, M717, M721, M801, M802, M803, M804, M812, M818, M819
	Science	SCI703, SCI704, SCI705, SCI708, SCI710, SCI711, SCI801, SCI804, SCI805, SCI807, SCI811
	Social Studies	SST610, SST625, SST703, SST704, SST722, SST726, SST731, SST733, SST734, SST805, SST807, SST809, SST810, SST815, SST816, SST818, SST823, SST827, SST831