



### District Report Card: 2017


|                          |                                 |
|--------------------------|---------------------------------|
| <b>State:</b> Tamil Nadu | <b>District:</b> Tiruvannamalai |
| <b>Class:</b> 8          | <b>Subject:</b> Science         |
| <b>Schools:</b> 51       | <b>Students:</b> 1190           |


### Participation/Coverage


#### Students

| <b>GENDER</b><br> | Boys   |       | Girls  |       |
|--|--------|-------|--------|-------|
|  | Number | %     | Number | %     |
|  | 591    | 49.66 | 599    | 50.34 |

| <b>AREA</b><br> | Rural  |       | Urban  |       |
|---|--------|-------|--------|-------|
|   | Number | %     | Number | %     |
|   | 980    | 82.35 | 210    | 17.65 |

| <b>CATEGORY</b><br> | SC     |       | ST     |      | OBC    |       | GEN    |      |
|--|--------|-------|--------|------|--------|-------|--------|------|
|  | Number | %     | Number | %    | Number | %     | Number | %    |
|  | 370    | 31.09 | 77     | 6.47 | 667    | 56.05 | 76     | 6.39 |

| <b>CWSN</b><br> | LD | VI | HI | S&LD | ID | Oth |
|--|----|----|----|------|----|-----|
|  | 3  | 3  | 1  | 4    | 5  | 1   |

| <b>Management</b><br> | Government |       | Government-aided |       |
|--|------------|-------|------------------|-------|
|  | Number     | %     | Number           | %     |
|  | 968        | 81.34 | 222              | 18.66 |

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

| Overall | Gender |        | Area  |       | Management |       | Social Group |       |       |       |
|---------|--------|--------|-------|-------|------------|-------|--------------|-------|-------|-------|
|         | Male   | Female | Rural | Urban | Govt.      | Aided | SC           | ST    | OBC   | GEN   |
| 35.96   | 36.55  | 35.38  | 35.89 | 36.29 | 36.35      | 34.26 | 36.52        | 33.94 | 36.42 | 31.23 |

## Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description  | Average Performance(%) |
|-------------------|--|------------------------|
| SCI703            | Classifies materials and organisms based on properties/characteristics   | 39.55                  |
| SCI704            | Conducts simple investigation to seek answers to queries   | 25.57                  |
| SCI705            | Relates processes and phenomenon with causes   | 42.67                  |
| SCI708            | Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. | 27.31                  |
| SCI710            | Plots and interprets graphs  | 27.18                  |
| SCI711            | Constructs models using materials from surroundings and explains their working   | 33.16                  |
| SCI801            | Differentiates materials, organism and processes   | 40.51                  |
| SCI804            | Relates processes and phenomenon with causes   | 45.13                  |
| SCI805            | Explains processes and phenomenon  | 29.47                  |
| SCI807            | Measures angles of incidence and reflection, etc.  | 28.66                  |
| SCI811            | Applies learning of scientific concepts in day-to-day life   | 37.50                  |
| SCI813            | Makes efforts to protect environment   | 50.17                  |

| Range of Performance of Students who Answered Correctly |       |           |       |           |       |           |      |
|---|-------|-----------|-------|-----------|-------|-----------|------|
| Below 30%   |       | 30% - 50% |       | 50% - 75% |       | Above 75% |      |
| Number  | %     | Number    | %     | Number    | %     | Number    | %    |
| 532   | 44.71 | 416       | 34.96 | 186       | 15.63 | 56        | 4.71 |

### Lowest Performing Learning Outcomes (LOs)

1 - Conducts simple investigation to seek answers to queries (25.57)

2 - Plots and interprets graphs (27.18)

3 - Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. (27.31)

4 - Measures angles of incidence and reflection, etc. (28.66)

5 - Explains processes and phenomenon (29.47)