



### District Report Card: 2017


|                      |                         |
|----------------------|-------------------------|
| <b>State:</b> Kerala | <b>District:</b> Kannur |
| <b>Class:</b> 8      | <b>Subject:</b> Science |
| <b>Schools:</b> 51   | <b>Students:</b> 1308   |


### Participation/Coverage


#### Students

| <br>GENDER | Boys   |       | Girls  |       |
|---|--------|-------|--------|-------|
|   | Number | %     | Number | %     |
|   | 650    | 49.69 | 658    | 50.31 |

| <br>AREA | Rural  |       | Urban  |       |
|--|--------|-------|--------|-------|
|  | Number | %     | Number | %     |
|  | 933    | 71.33 | 375    | 28.67 |

| <br>CATEGORY | SC     |      | ST     |      | OBC    |       | GEN    |       |
|---|--------|------|--------|------|--------|-------|--------|-------|
|   | Number | %    | Number | %    | Number | %     | Number | %     |
|   | 36     | 2.75 | 13     | 0.99 | 1069   | 81.73 | 190    | 14.53 |

| <br>CWSN | LD | VI | HI | S&LD | ID | Oth |
|---|----|----|----|------|----|-----|
|   | 1  | 5  | 1  | 2    | 10 | 3   |

| <br>Management | Government |       | Government-aided |       |
|---|------------|-------|------------------|-------|
|   | Number     | %     | Number           | %     |
|   | 602        | 46.02 | 706              | 53.98 |

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

| Overall | Gender |        | Area  |       | Management |       | Social Group |       |       |       |
|---------|--------|--------|-------|-------|------------|-------|--------------|-------|-------|-------|
|         | Male   | Female | Rural | Urban | Govt.      | Aided | SC           | ST    | OBC   | GEN   |
| 42.15   | 42.27  | 42.03  | 43.22 | 39.47 | 43.60      | 40.91 | 37.22        | 30.77 | 41.80 | 45.79 |

## Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description  | Average Performance(%) |
|-------------------|--|------------------------|
| SCI703            | Classifies materials and organisms based on properties/characteristics   | 48.09                  |
| SCI704            | Conducts simple investigation to seek answers to queries   | 31.24                  |
| SCI705            | Relates processes and phenomenon with causes   | 39.61                  |
| SCI708            | Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. | 35.78                  |
| SCI710            | Plots and interprets graphs  | 31.81                  |
| SCI711            | Constructs models using materials from surroundings and explains their working   | 31.51                  |
| SCI801            | Differentiates materials, organism and processes   | 58.39                  |
| SCI804            | Relates processes and phenomenon with causes   | 42.01                  |
| SCI805            | Explains processes and phenomenon  | 32.67                  |
| SCI807            | Measures angles of incidence and reflection, etc.  | 42.35                  |
| SCI811            | Applies learning of scientific concepts in day-to-day life   | 35.97                  |
| SCI813            | Makes efforts to protect environment   | 67.13                  |

| Range of Performance of Students who Answered Correctly |       |           |       |           |       |           |      |
|---|-------|-----------|-------|-----------|-------|-----------|------|
| Below 30%   |       | 30% - 50% |       | 50% - 75% |       | Above 75% |      |
| Number  | %     | Number    | %     | Number    | %     | Number    | %    |
| 325   | 24.85 | 575       | 43.96 | 375       | 28.67 | 33        | 2.52 |

### Lowest Performing Learning Outcomes (LOs)

- 1 - Conducts simple investigation to seek answers to queries (31.24)
- 2 - Constructs models using materials from surroundings and explains their working (31.51)
- 3 - Plots and interprets graphs (31.81)
- 4 - Explains processes and phenomenon (32.67)
- 5 - Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. (35.78)