



### District Report Card: 2017


|                              |                         |
|------------------------------|-------------------------|
| <b>State:</b> Andhra Pradesh | <b>District:</b> Kadapa |
| <b>Class:</b> 8              | <b>Subject:</b> Science |
| <b>Schools:</b> 51           | <b>Students:</b> 1273   |


### Participation/Coverage


#### Students

|  |        |       |        |       |
|--|--------|-------|--------|-------|
| <div>GENDER</div> <div></div> | Boys   |       | Girls  |       |
|  | Number | %     | Number | %     |
|  | 552    | 43.36 | 721    | 56.64 |

|   |        |       |        |       |
|---|--------|-------|--------|-------|
| <div>AREA</div> <div></div> | Rural  |       | Urban  |       |
|   | Number | %     | Number | %     |
|   | 920    | 72.27 | 353    | 27.73 |

|  |        |       |        |      |        |       |        |       |
|--|--------|-------|--------|------|--------|-------|--------|-------|
| <div>CATEGORY</div> <div></div> | SC     |       | ST     |      | OBC    |       | GEN    |       |
|  | Number | %     | Number | %    | Number | %     | Number | %     |
|  | 354    | 27.81 | 46     | 3.61 | 667    | 52.40 | 206    | 16.18 |

|  |    |    |    |      |    |     |
|--|----|----|----|------|----|-----|
| <div>CWSN</div> <div></div> | LD | VI | HI | S&LD | ID | Oth |
|  | 17 | 3  | 1  | 1    | 0  | 37  |

|  |            |       |                  |      |
|--|------------|-------|------------------|------|
| <div>Management</div> <div></div> | Government |       | Government-aided |      |
|  | Number     | %     | Number           | %    |
|  | 1194       | 93.79 | 79               | 6.21 |

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

| Overall | Gender |        | Area  |       | Management |       | Social Group |       |       |       |
|---------|--------|--------|-------|-------|------------|-------|--------------|-------|-------|-------|
|         | Male   | Female | Rural | Urban | Govt.      | Aided | SC           | ST    | OBC   | GEN   |
| 49.54   | 48.72  | 50.17  | 53.01 | 40.49 | 50.45      | 35.78 | 45.46        | 47.97 | 51.04 | 52.04 |

## Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description  | Average Performance(%) |
|-------------------|--|------------------------|
| SCI703            | Classifies materials and organisms based on properties/characteristics   | 47.67                  |
| SCI704            | Conducts simple investigation to seek answers to queries   | 30.70                  |
| SCI705            | Relates processes and phenomenon with causes   | 46.91                  |
| SCI708            | Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. | 59.23                  |
| SCI710            | Plots and interprets graphs  | 43.38                  |
| SCI711            | Constructs models using materials from surroundings and explains their working   | 43.38                  |
| SCI801            | Differentiates materials, organism and processes   | 58.76                  |
| SCI804            | Relates processes and phenomenon with causes   | 50.47                  |
| SCI805            | Explains processes and phenomenon  | 45.40                  |
| SCI807            | Measures angles of incidence and reflection, etc.  | 49.41                  |
| SCI811            | Applies learning of scientific concepts in day-to-day life   | 52.51                  |
| SCI813            | Makes efforts to protect environment   | 61.12                  |

| Range of Performance of Students who Answered Correctly |       |           |       |           |       |           |       |
|---|-------|-----------|-------|-----------|-------|-----------|-------|
| Below 30%   |       | 30% - 50% |       | 50% - 75% |       | Above 75% |       |
| Number  | %     | Number    | %     | Number    | %     | Number    | %     |
| 295   | 23.17 | 386       | 30.32 | 393       | 30.87 | 199       | 15.63 |

### Lowest Performing Learning Outcomes (LOs)

- 1 - Conducts simple investigation to seek answers to queries (30.70)
- 2 - Plots and interprets graphs (43.38)
- 3 - Constructs models using materials from surroundings and explains their working (43.38)
- 4 - Explains processes and phenomenon (45.40)
- 5 - Relates processes and phenomenon with causes (46.91)