



### District Report Card: 2017


|                           |                         |
|---------------------------|-------------------------|
| <b>State:</b> Maharashtra | <b>District:</b> Wardha |
| <b>Class:</b> 8           | <b>Subject:</b> Science |
| <b>Schools:</b> 51        | <b>Students:</b> 1294   |


### Participation/Coverage


#### Students

| <b>GENDER</b><br> | Boys   |       | Girls  |       |
|--|--------|-------|--------|-------|
|  | Number | %     | Number | %     |
|  | 644    | 49.77 | 650    | 50.23 |

| <b>AREA</b><br> | Rural  |       | Urban  |       |
|---|--------|-------|--------|-------|
|   | Number | %     | Number | %     |
|   | 896    | 69.24 | 398    | 30.76 |

| <b>CATEGORY</b><br> | SC     |       | ST     |       | OBC    |       | GEN    |       |
|--|--------|-------|--------|-------|--------|-------|--------|-------|
|  | Number | %     | Number | %     | Number | %     | Number | %     |
|  | 190    | 14.68 | 221    | 17.08 | 721    | 55.72 | 162    | 12.52 |

| <b>CWSN</b><br> | LD | VI | HI | S&LD | ID | Oth |
|--|----|----|----|------|----|-----|
|  | 0  | 3  | 21 | 0    | 0  | 30  |

| <b>Management</b><br> | Government |       | Government-aided |       |
|--|------------|-------|------------------|-------|
|  | Number     | %     | Number           | %     |
|  | 212        | 16.38 | 1082             | 83.62 |

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

| Overall | Gender |        | Area  |       | Management |       | Social Group |       |       |       |
|---------|--------|--------|-------|-------|------------|-------|--------------|-------|-------|-------|
|         | Male   | Female | Rural | Urban | Govt.      | Aided | SC           | ST    | OBC   | GEN   |
| 35.18   | 34.80  | 35.56  | 32.96 | 40.18 | 33.08      | 35.59 | 31.68        | 40.51 | 33.52 | 39.42 |

## Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description  | Average Performance(%) |
|-------------------|--|------------------------|
| SCI703            | Classifies materials and organisms based on properties/characteristics   | 39.91                  |
| SCI704            | Conducts simple investigation to seek answers to queries   | 24.25                  |
| SCI705            | Relates processes and phenomenon with causes   | 36.21                  |
| SCI708            | Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. | 38.10                  |
| SCI710            | Plots and interprets graphs  | 28.59                  |
| SCI711            | Constructs models using materials from surroundings and explains their working   | 24.01                  |
| SCI801            | Differentiates materials, organism and processes   | 37.81                  |
| SCI804            | Relates processes and phenomenon with causes   | 46.92                  |
| SCI805            | Explains processes and phenomenon  | 33.91                  |
| SCI807            | Measures angles of incidence and reflection, etc.  | 39.03                  |
| SCI811            | Applies learning of scientific concepts in day-to-day life   | 31.37                  |
| SCI813            | Makes efforts to protect environment   | 45.67                  |

| Range of Performance of Students who Answered Correctly |       |           |       |           |       |           |      |
|---|-------|-----------|-------|-----------|-------|-----------|------|
| Below 30%   |       | 30% - 50% |       | 50% - 75% |       | Above 75% |      |
| Number  | %     | Number    | %     | Number    | %     | Number    | %    |
| 617   | 47.68 | 384       | 29.68 | 247       | 19.09 | 46        | 3.55 |

### Lowest Performing Learning Outcomes (LOs)

- 1 - Constructs models using materials from surroundings and explains their working (24.01)
- 2 - Conducts simple investigation to seek answers to queries (24.25)
- 3 - Plots and interprets graphs (28.59)
- 4 - Applies learning of scientific concepts in day-to-day life (31.37)
- 5 - Explains processes and phenomenon (33.91)