




| District Report Card: 2017 |                                     |
|----------------------------|-------------------------------------|
| <b>State:</b> Bihar        | <b>District:</b> Aurangabad (bihar) |
| <b>Class:</b> 8            | <b>Subject:</b> Science             |
| <b>Schools:</b> 51         | <b>Students:</b> 1192               |


### Participation/Coverage


#### Students

|  |        |       |        |       |
|--|--------|-------|--------|-------|
| <div>GENDER</div> <div></div> | Boys   |       | Girls  |       |
|  | Number | %     | Number | %     |
|  | 538    | 45.13 | 654    | 54.87 |

|   |        |       |        |      |
|---|--------|-------|--------|------|
| <div>AREA</div> <div></div> | Rural  |       | Urban  |      |
|   | Number | %     | Number | %    |
|   | 1141   | 95.72 | 51     | 4.28 |

|  |        |       |        |      |        |       |        |      |
|--|--------|-------|--------|------|--------|-------|--------|------|
| <div>CATEGORY</div> <div></div> | SC     |       | ST     |      | OBC    |       | GEN    |      |
|  | Number | %     | Number | %    | Number | %     | Number | %    |
|  | 294    | 24.66 | 11     | 0.92 | 770    | 64.60 | 117    | 9.82 |

|  |    |    |    |      |    |     |
|--|----|----|----|------|----|-----|
| <div>CWSN</div> <div></div> | LD | VI | HI | S&LD | ID | Oth |
|  | 2  | 1  | 1  | 0    | 0  | 0   |

|  |            |        |                  |      |
|--|------------|--------|------------------|------|
| <div>Management</div> <div></div> | Government |        | Government-aided |      |
|  | Number     | %      | Number           | %    |
|  | 1192       | 100.00 | 0                | 0.00 |

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

| Overall | Gender |        | Area  |       | Management |       | Social Group |       |       |       |
|---------|--------|--------|-------|-------|------------|-------|--------------|-------|-------|-------|
|         | Male   | Female | Rural | Urban | Govt.      | Aided | SC           | ST    | OBC   | GEN   |
| 43.04   | 44.26  | 42.03  | 43.04 | 42.88 | 43.04      | 0.00  | 39.95        | 49.09 | 44.09 | 43.30 |

## Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description  | Average Performance(%) |
|-------------------|--|------------------------|
| SCI703            | Classifies materials and organisms based on properties/characteristics   | 37.72                  |
| SCI704            | Conducts simple investigation to seek answers to queries   | 29.49                  |
| SCI705            | Relates processes and phenomenon with causes   | 41.90                  |
| SCI708            | Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. | 55.87                  |
| SCI710            | Plots and interprets graphs  | 34.24                  |
| SCI711            | Constructs models using materials from surroundings and explains their working   | 37.99                  |
| SCI801            | Differentiates materials, organism and processes   | 57.35                  |
| SCI804            | Relates processes and phenomenon with causes   | 43.10                  |
| SCI805            | Explains processes and phenomenon  | 31.89                  |
| SCI807            | Measures angles of incidence and reflection, etc.  | 40.86                  |
| SCI811            | Applies learning of scientific concepts in day-to-day life   | 43.07                  |
| SCI813            | Makes efforts to protect environment   | 57.55                  |

| Range of Performance of Students who Answered Correctly |       |           |       |           |       |           |      |
|---|-------|-----------|-------|-----------|-------|-----------|------|
| Below 30%   |       | 30% - 50% |       | 50% - 75% |       | Above 75% |      |
| Number  | %     | Number    | %     | Number    | %     | Number    | %    |
| 370   | 31.04 | 363       | 30.45 | 376       | 31.54 | 83        | 6.96 |

### Lowest Performing Learning Outcomes (LOs)

- 1 - Conducts simple investigation to seek answers to queries (29.49)
- 2 - Explains processes and phenomenon (31.89)
- 3 - Plots and interprets graphs (34.24)
- 4 - Classifies materials and organisms based on properties/characteristics (37.72)
- 5 - Constructs models using materials from surroundings and explains their working (37.99)