



### District Report Card: 2017


|                     |                            |
|---------------------|----------------------------|
| <b>State:</b> Bihar | <b>District:</b> Sitamarhi |
| <b>Class:</b> 8     | <b>Subject:</b> Science    |
| <b>Schools:</b> 50  | <b>Students:</b> 1172      |


### Participation/Coverage


#### Students

|  |        |       |        |       |
|--|--------|-------|--------|-------|
| <div>GENDER</div> <div></div> | Boys   |       | Girls  |       |
|  | Number | %     | Number | %     |
|  | 557    | 47.53 | 615    | 52.47 |

|   |        |       |        |      |
|---|--------|-------|--------|------|
| <div>AREA</div> <div></div> | Rural  |       | Urban  |      |
|   | Number | %     | Number | %    |
|   | 1117   | 95.31 | 55     | 4.69 |

|  |        |       |        |      |        |       |        |      |
|--|--------|-------|--------|------|--------|-------|--------|------|
| <div>CATEGORY</div> <div></div> | SC     |       | ST     |      | OBC    |       | GEN    |      |
|  | Number | %     | Number | %    | Number | %     | Number | %    |
|  | 157    | 13.40 | 5      | 0.43 | 894    | 76.28 | 116    | 9.90 |

|  |    |    |    |      |    |     |
|--|----|----|----|------|----|-----|
| <div>CWSN</div> <div></div> | LD | VI | HI | S&LD | ID | Oth |
|  | 2  | 1  | 1  | 2    | 1  | 18  |

|  |            |        |                  |      |
|--|------------|--------|------------------|------|
| <div>Management</div> <div></div> | Government |        | Government-aided |      |
|  | Number     | %      | Number           | %    |
|  | 1172       | 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   |
| 44.29   | 45.11  | 43.56  | 44.41 | 41.94 | 44.29      | 0.00  | 39.07        | 54.67 | 45.38 | 42.59 |

## Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description  | Average Performance(%) |
|-------------------|--|------------------------|
| SCI703            | Classifies materials and organisms based on properties/characteristics   | 41.21                  |
| SCI704            | Conducts simple investigation to seek answers to queries   | 29.90                  |
| SCI705            | Relates processes and phenomenon with causes   | 40.08                  |
| SCI708            | Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. | 61.95                  |
| SCI710            | Plots and interprets graphs  | 44.62                  |
| SCI711            | Constructs models using materials from surroundings and explains their working   | 39.32                  |
| SCI801            | Differentiates materials, organism and processes   | 48.29                  |
| SCI804            | Relates processes and phenomenon with causes   | 50.60                  |
| SCI805            | Explains processes and phenomenon  | 34.85                  |
| SCI807            | Measures angles of incidence and reflection, etc.  | 50.17                  |
| SCI811            | Applies learning of scientific concepts in day-to-day life   | 43.10                  |
| SCI813            | Makes efforts to protect environment   | 61.69                  |

| Range of Performance of Students who Answered Correctly |       |           |       |           |       |           |       |
|---|-------|-----------|-------|-----------|-------|-----------|-------|
| Below 30%   |       | 30% - 50% |       | 50% - 75% |       | Above 75% |       |
| Number  | %     | Number    | %     | Number    | %     | Number    | %     |
| 366   | 31.23 | 308       | 26.28 | 380       | 32.42 | 118       | 10.07 |

## Lowest Performing Learning Outcomes (LOs)

- 1 - Conducts simple investigation to seek answers to queries (29.90)
- 2 - Explains processes and phenomenon (34.85)
- 3 - Constructs models using materials from surroundings and explains their working (39.32)
- 4 - Relates processes and phenomenon with causes (40.08)
- 5 - Classifies materials and organisms based on properties/characteristics (41.21)