



### District Report Card: 2017


|                             |                            |
|-----------------------------|----------------------------|
| <b>State:</b> Uttar Pradesh | <b>District:</b> Firozabad |
| <b>Class:</b> 8             | <b>Subject:</b> Science    |
| <b>Schools:</b> 51          | <b>Students:</b> 1014      |


### Participation/Coverage


#### Students

|  |        |       |        |       |
|--|--------|-------|--------|-------|
| <div>GENDER</div> <div></div> | Boys   |       | Girls  |       |
|  | Number | %     | Number | %     |
|  | 460    | 45.36 | 554    | 54.64 |

|   |        |       |        |       |
|---|--------|-------|--------|-------|
| <div>AREA</div> <div></div> | Rural  |       | Urban  |       |
|   | Number | %     | Number | %     |
|   | 552    | 54.44 | 462    | 45.56 |

|  |        |       |        |      |        |       |        |      |
|--|--------|-------|--------|------|--------|-------|--------|------|
| <div>CATEGORY</div> <div></div> | SC     |       | ST     |      | OBC    |       | GEN    |      |
|  | Number | %     | Number | %    | Number | %     | Number | %    |
|  | 287    | 28.30 | 42     | 4.14 | 599    | 59.07 | 86     | 8.48 |

|  |    |    |    |      |    |     |
|--|----|----|----|------|----|-----|
| <div>CWSN</div> <div></div> | LD | VI | HI | S&LD | ID | Oth |
|  | 2  | 1  | 3  | 0    | 1  | 1   |

|  |            |       |                  |       |
|--|------------|-------|------------------|-------|
| <div>Management</div> <div></div> | Government |       | Government-aided |       |
|  | Number     | %     | Number           | %     |
|  | 386        | 38.07 | 628              | 61.93 |

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

| Overall | Gender |        | Area  |       | Management |       | Social Group |       |       |       |
|---------|--------|--------|-------|-------|------------|-------|--------------|-------|-------|-------|
|         | Male   | Female | Rural | Urban | Govt.      | Aided | SC           | ST    | OBC   | GEN   |
| 30.66   | 32.28  | 29.33  | 33.45 | 27.33 | 28.72      | 31.86 | 29.45        | 30.00 | 30.67 | 34.96 |

## Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description  | Average Performance(%) |
|-------------------|--|------------------------|
| SCI703            | Classifies materials and organisms based on properties/characteristics   | 28.18                  |
| SCI704            | Conducts simple investigation to seek answers to queries   | 25.43                  |
| SCI705            | Relates processes and phenomenon with causes   | 28.30                  |
| SCI708            | Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. | 44.87                  |
| SCI710            | Plots and interprets graphs  | 24.52                  |
| SCI711            | Constructs models using materials from surroundings and explains their working   | 24.14                  |
| SCI801            | Differentiates materials, organism and processes   | 34.90                  |
| SCI804            | Relates processes and phenomenon with causes   | 22.81                  |
| SCI805            | Explains processes and phenomenon  | 21.64                  |
| SCI807            | Measures angles of incidence and reflection, etc.  | 33.23                  |
| SCI811            | Applies learning of scientific concepts in day-to-day life   | 30.63                  |
| SCI813            | Makes efforts to protect environment   | 44.38                  |

| Range of Performance of Students who Answered Correctly |       |           |       |           |       |           |      |
|---|-------|-----------|-------|-----------|-------|-----------|------|
| Below 30%   |       | 30% - 50% |       | 50% - 75% |       | Above 75% |      |
| Number  | %     | Number    | %     | Number    | %     | Number    | %    |
| 575   | 56.71 | 249       | 24.56 | 142       | 14.00 | 48        | 4.73 |

### Lowest Performing Learning Outcomes (LOs)

- 1 - Explains processes and phenomenon (21.64)
- 2 - Relates processes and phenomenon with causes (22.81)
- 3 - Constructs models using materials from surroundings and explains their working (24.14)
- 4 - Plots and interprets graphs (24.52)
- 5 - Conducts simple investigation to seek answers to queries (25.43)