NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING
**NATIONAL ACHIEVEMENT SURVEY - NAS**
(Survey of Learning Outcomes)

| District Report Card: 2017 | |
|---|---|
| **State:** Madhya Pradesh | **District:** Shivpuri |
| **Class:** 8 | **Subject:** Science |
| **Schools:** 51 | **Students:** 1301 |

## Participation/Coverage

**Students**

| GENDER | Boys | | Girls | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 711 | 54.65 | 590 | 45.35 |

| AREA | Rural | | Urban | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 1192 | 91.62 | 109 | 8.38 |

| CATEGORY | SC | | ST | | OBC | | GEN | |
|---|---|---|---|---|---|---|---|---|
| | Number | % | Number | % | Number | % | Number | % |
| | 274 | 21.06 | 161 | 12.38 | 796 | 61.18 | 70 | 5.38 |

| CWSN | LD | VI | HI | S&LD | ID | Oth |
|---|---|---|---|---|---|---|
| | 4 | 4 | 3 | 0 | 3 | 1 |

| Management | Government | | Government-aided | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 1301 | 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 |
| 50.51 | 51.50 | 49.32 | 49.78 | 58.53 | 50.51 | 0.00 | 47.42 | 49.15 | 52.08 | 48.00 |

# Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|---|---|---|
| SCI703 | Classifies materials and organisms based on properties/characteristics | 52.52 |
| SCI704 | Conducts simple investigation to seek answers to queries | 31.75 |
| SCI705 | Relates processes and phenomenon with causes | 46.36 |
| SCI708 | Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. | 65.10 |
| SCI710 | Plots and interprets graphs | 41.35 |
| SCI711 | Constructs models using materials from surroundings and explains their working | 43.59 |
| SCI801 | Differentiates materials, organism and processes | 55.90 |
| SCI804 | Relates processes and phenomenon with causes | 47.12 |
| SCI805 | Explains processes and phenomenon | 44.14 |
| SCI807 | Measures angles of incidence and reflection, etc. | 50.81 |
| SCI811 | Applies learning of scientific concepts in day-to-day life | 53.21 |
| SCI813 | Makes efforts to protect environment | 69.10 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|---|---|---|---|---|---|---|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 278 | 21.37 | 300 | 23.06 | 553 | 42.51 | 170 | 13.07 |

## Lowest Performing Learning Outcomes (LOs)

1 - Conducts simple investigation to seek answers to queries (31.75)

2 - Plots and interprets graphs (41.35)

3 - Constructs models using materials from surroundings and explains their working (43.59)

4 - Explains processes and phenomenon (44.14)

5 - Relates processes and phenomenon with causes (46.36)

**CSWN:**     **LD-** Locomotor Disability; **VI-** Visual Impairment; **HI-** Hearing Impairment;
      **S&LD-** Speech and Language Disability; **ID-** Intellectual Disability; **Oth-** Other Disability.

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