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

| District Report Card: 2017 | |
|---|---|
| **State:** West Bengal | **District:** Bankura |
| **Class:** 8 | **Subject:** Science |
| **Schools:** 51 | **Students:** 1154 |

## Participation/Coverage

**Students**

| GENDER | Boys | | Girls | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 551 | 47.75 | 603 | 52.25 |

| AREA | Rural | | Urban | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 1080 | 93.59 | 74 | 6.41 |

| CATEGORY | SC | | ST | | OBC | | GEN | |
|---|---|---|---|---|---|---|---|---|
| | Number | % | Number | % | Number | % | Number | % |
| | 401 | 34.75 | 131 | 11.35 | 307 | 26.60 | 315 | 27.30 |

| CWSN | LD | VI | HI | S&LD | ID | Oth |
|---|---|---|---|---|---|---|
| | 4 | 2 | 0 | 2 | 5 | 2 |

| Management | Government | | Government-aided | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 478 | 41.42 | 676 | 58.58 |

| Average Performance of Students in Science (%) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Overall | Gender | | Area | | Management | | Social Group | | | |
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 37.54 | 39.40 | 35.85 | 37.15 | 43.24 | 35.73 | 38.83 | 33.43 | 29.82 | 40.15 | 43.45 |

# Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|---|---|---|
| SCI703 | Classifies materials and organisms based on properties/characteristics | 37.74 |
| SCI704 | Conducts simple investigation to seek answers to queries | 18.57 |
| SCI705 | Relates processes and phenomenon with causes | 41.01 |
| SCI708 | Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. | 42.20 |
| SCI710 | Plots and interprets graphs | 33.68 |
| SCI711 | Constructs models using materials from surroundings and explains their working | 31.43 |
| SCI801 | Differentiates materials, organism and processes | 49.65 |
| SCI804 | Relates processes and phenomenon with causes | 33.68 |
| SCI805 | Explains processes and phenomenon | 29.79 |
| SCI807 | Measures angles of incidence and reflection, etc. | 34.14 |
| SCI811 | Applies learning of scientific concepts in day-to-day life | 38.10 |
| SCI813 | Makes efforts to protect environment | 52.17 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|---|---|---|---|---|---|---|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 443 | 38.39 | 414 | 35.88 | 243 | 21.06 | 54 | 4.68 |

## Lowest Performing Learning Outcomes (LOs)

1 - Conducts simple investigation to seek answers to queries (18.57)

2 - Explains processes and phenomenon (29.79)

3 - Constructs models using materials from surroundings and explains their working (31.43)

4 - Relates processes and phenomenon with causes (33.68)

5 - Plots and interprets graphs (33.68)

---

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

*2*