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

| District Report Card: 2017 | |
|---|---|
| **State:** Bihar | **District:** Darbhanga |
| **Class:** 8 | **Subject:** Science |
| **Schools:** 51 | **Students:** 1138 |

## Participation/Coverage

**Students**

| GENDER | Boys | | Girls | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 510 | 44.82 | 628 | 55.18 |

| AREA | Rural | | Urban | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 1021 | 89.72 | 117 | 10.28 |

| CATEGORY | SC | | ST | | OBC | | GEN | |
|---|---|---|---|---|---|---|---|---|
| | Number | % | Number | % | Number | % | Number | % |
| | 169 | 14.85 | 3 | 0.26 | 693 | 60.90 | 273 | 23.99 |

| CWSN | LD | VI | HI | S&LD | ID | Oth |
|---|---|---|---|---|---|---|
| | 0 | 2 | 1 | 1 | 2 | 1 |

| Management | Government | | Government-aided | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 1138 | 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 |
| 37.02 | 37.97 | 36.24 | 37.29 | 34.64 | 37.02 | 0.00 | 36.84 | 35.56 | 36.88 | 37.48 |

# Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|---|---|---|
| SCI703 | Classifies materials and organisms based on properties/characteristics | 37.25 |
| SCI704 | Conducts simple investigation to seek answers to queries | 23.31 |
| SCI705 | Relates processes and phenomenon with causes | 35.52 |
| SCI708 | Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. | 46.40 |
| SCI710 | Plots and interprets graphs | 27.52 |
| SCI711 | Constructs models using materials from surroundings and explains their working | 29.14 |
| SCI801 | Differentiates materials, organism and processes | 42.53 |
| SCI804 | Relates processes and phenomenon with causes | 32.19 |
| SCI805 | Explains processes and phenomenon | 30.23 |
| SCI807 | Measures angles of incidence and reflection, etc. | 42.53 |
| SCI811 | Applies learning of scientific concepts in day-to-day life | 38.00 |
| SCI813 | Makes efforts to protect environment | 52.46 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|---|---|---|---|---|---|---|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 469 | 41.21 | 378 | 33.22 | 235 | 20.65 | 56 | 4.92 |

## Lowest Performing Learning Outcomes (LOs)

1 - Conducts simple investigation to seek answers to queries (23.31)

2 - Plots and interprets graphs (27.52)

3 - Constructs models using materials from surroundings and explains their working (29.14)

4 - Explains processes and phenomenon (30.23)

5 - Relates processes and phenomenon with causes (32.19)

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**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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