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

| District Report Card: 2017 | |
|---|---|
| **State:** Bihar | **District:** Madhubani |
| **Class:** 8 | **Subject:** Science |
| **Schools:** 50 | **Students:** 1235 |

## Participation/Coverage

**Students**

| GENDER | Boys | | Girls | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 580 | 46.96 | 655 | 53.04 |

| AREA | Rural | | Urban | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 1235 | 100.00 | 0 | 0.00 |

| CATEGORY | SC | | ST | | OBC | | GEN | |
|---|---|---|---|---|---|---|---|---|
| | Number | % | Number | % | Number | % | Number | % |
| | 244 | 19.76 | 3 | 0.24 | 811 | 65.67 | 177 | 14.33 |

| CWSN | LD | VI | HI | S&LD | ID | Oth |
|---|---|---|---|---|---|---|
| | 1 | 3 | 4 | 5 | 1 | 0 |

| Management | Government | | Government-aided | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 1189 | 96.28 | 46 | 3.72 |

| Average Performance of Students in Science (%) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Overall | Gender | | Area | | Management | | Social Group | | | |
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 44.98 | 46.36 | 43.76 | 44.98 | 0.00 | 44.78 | 50.00 | 42.87 | 44.44 | 45.12 | 47.23 |

# Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|---|---|---|
| SCI703 | Classifies materials and organisms based on properties/characteristics | 45.77 |
| SCI704 | Conducts simple investigation to seek answers to queries | 28.08 |
| SCI705 | Relates processes and phenomenon with causes | 41.85 |
| SCI708 | Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. | 57.81 |
| SCI710 | Plots and interprets graphs | 45.50 |
| SCI711 | Constructs models using materials from surroundings and explains their working | 43.37 |
| SCI801 | Differentiates materials, organism and processes | 46.89 |
| SCI804 | Relates processes and phenomenon with causes | 56.96 |
| SCI805 | Explains processes and phenomenon | 34.21 |
| SCI807 | Measures angles of incidence and reflection, etc. | 53.68 |
| SCI811 | Applies learning of scientific concepts in day-to-day life | 46.06 |
| SCI813 | Makes efforts to protect environment | 56.68 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|---|---|---|---|---|---|---|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 354 | 28.66 | 375 | 30.36 | 391 | 31.66 | 115 | 9.31 |

## Lowest Performing Learning Outcomes (LOs)

1 - Conducts simple investigation to seek answers to queries (28.08)

2 - Explains processes and phenomenon (34.21)

3 - Relates processes and phenomenon with causes (41.85)

4 - Constructs models using materials from surroundings and explains their working (43.37)

5 - Plots and interprets graphs (45.50)

**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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