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

Government of India
MHRD

NCERT

| District Report Card: 2017 | |
|---|---|
| **State:** Odisha | **District:** Nayagarh |
| **Class:** 8 | **Subject:** Science |
| **Schools:** 47 | **Students:** 1181 |

## Participation/Coverage

**Students**

| GENDER | Boys | | Girls | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 546 | 46.23 | 635 | 53.77 |

| AREA | Rural | | Urban | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 1026 | 86.88 | 155 | 13.12 |

| CATEGORY | SC | | ST | | OBC | | GEN | |
|---|---|---|---|---|---|---|---|---|
| | Number | % | Number | % | Number | % | Number | % |
| | 167 | 14.14 | 63 | 5.33 | 811 | 68.67 | 140 | 11.85 |

| CWSN | LD | VI | HI | S&LD | ID | Oth |
|---|---|---|---|---|---|---|
| | 3 | 6 | 1 | 2 | 7 | 6 |

| Management | Government | | Government-aided | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 1068 | 90.43 | 113 | 9.57 |

| Average Performance of Students in Science (%) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Overall | Gender | | Area | | Management | | Social Group | | | |
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 45.67 | 46.40 | 45.04 | 46.00 | 43.48 | 45.97 | 42.77 | 46.71 | 44.87 | 44.76 | 50.05 |

# Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|---|---|---|
| SCI703 | Classifies materials and organisms based on properties/characteristics | 46.67 |
| SCI704 | Conducts simple investigation to seek answers to queries | 37.85 |
| SCI705 | Relates processes and phenomenon with causes | 42.64 |
| SCI708 | Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. | 51.23 |
| SCI710 | Plots and interprets graphs | 35.65 |
| SCI711 | Constructs models using materials from surroundings and explains their working | 25.13 |
| SCI801 | Differentiates materials, organism and processes | 50.95 |
| SCI804 | Relates processes and phenomenon with causes | 53.48 |
| SCI805 | Explains processes and phenomenon | 37.79 |
| SCI807 | Measures angles of incidence and reflection, etc. | 42.25 |
| SCI811 | Applies learning of scientific concepts in day-to-day life | 45.65 |
| SCI813 | Makes efforts to protect environment | 70.96 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|---|---|---|---|---|---|---|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 313 | 26.50 | 404 | 34.21 | 328 | 27.77 | 136 | 11.52 |

## Lowest Performing Learning Outcomes (LOs)

1 - Constructs models using materials from surroundings and explains their working (25.13)

2 - Plots and interprets graphs (35.65)

3 - Explains processes and phenomenon (37.79)

4 - Conducts simple investigation to seek answers to queries (37.85)

5 - Measures angles of incidence and reflection, etc. (42.25)

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