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

| District Report Card: 2017 | |
|---|---|
| **State:** Punjab | **District:** Gurdaspur |
| **Class:** 8 | **Subject:** Science |
| **Schools:** 51 | **Students:** 999 |

## Participation/Coverage

**Students**

| GENDER | Boys | | Girls | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 516 | 51.65 | 483 | 48.35 |

| AREA | Rural | | Urban | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 859 | 85.99 | 140 | 14.01 |

| CATEGORY | SC | | ST | | OBC | | GEN | |
|---|---|---|---|---|---|---|---|---|
| | Number | % | Number | % | Number | % | Number | % |
| | 423 | 42.34 | 3 | 0.30 | 358 | 35.84 | 215 | 21.52 |

| CWSN | LD | VI | HI | S&LD | ID | Oth |
|---|---|---|---|---|---|---|
| | 2 | 12 | 2 | 2 | 0 | 118 |

| Management | Government | | Government-aided | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 907 | 90.79 | 92 | 9.21 |

| Average Performance of Students in Science (%) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Overall | Gender | | Area | | Management | | Social Group | | | |
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 40.53 | 41.24 | 39.78 | 41.16 | 36.71 | 39.89 | 46.88 | 37.75 | 51.11 | 41.14 | 44.87 |

# Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|---|---|---|
| SCI703 | Classifies materials and organisms based on properties/characteristics | 31.96 |
| SCI704 | Conducts simple investigation to seek answers to queries | 36.20 |
| SCI705 | Relates processes and phenomenon with causes | 37.68 |
| SCI708 | Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. | 48.25 |
| SCI710 | Plots and interprets graphs | 26.92 |
| SCI711 | Constructs models using materials from surroundings and explains their working | 26.33 |
| SCI801 | Differentiates materials, organism and processes | 54.04 |
| SCI804 | Relates processes and phenomenon with causes | 37.52 |
| SCI805 | Explains processes and phenomenon | 33.11 |
| SCI807 | Measures angles of incidence and reflection, etc. | 34.03 |
| SCI811 | Applies learning of scientific concepts in day-to-day life | 37.71 |
| SCI813 | Makes efforts to protect environment | 69.47 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|---|---|---|---|---|---|---|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 336 | 33.63 | 371 | 37.14 | 233 | 23.32 | 59 | 5.91 |

## Lowest Performing Learning Outcomes (LOs)

1 - Constructs models using materials from surroundings and explains their working (26.33)

2 - Plots and interprets graphs (26.92)

3 - Classifies materials and organisms based on properties/characteristics (31.96)

4 - Explains processes and phenomenon (33.11)

5 - Measures angles of incidence and reflection, etc. (34.03)

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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.