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

| District Report Card: 2017 | |
|---|---|
| **State:** Punjab | **District:** Patiala |
| **Class:** 8 | **Subject:** Science |
| **Schools:** 51 | **Students:** 984 |

## Participation/Coverage

**Students**

| GENDER | Boys | | Girls | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 414 | 42.07 | 570 | 57.93 |

| AREA | Rural | | Urban | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 799 | 81.20 | 185 | 18.80 |

| CATEGORY | SC | | ST | | OBC | | GEN | |
|---|---|---|---|---|---|---|---|---|
| | Number | % | Number | % | Number | % | Number | % |
| | 499 | 50.71 | 5 | 0.51 | 342 | 34.76 | 138 | 14.02 |

| CWSN | LD | VI | HI | S&LD | ID | Oth |
|---|---|---|---|---|---|---|
| | 0 | 4 | 4 | 10 | 2 | 18 |

| Management | Government | | Government-aided | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 937 | 95.22 | 47 | 4.78 |

| Average Performance of Students in Science (%) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Overall | Gender | | Area | | Management | | Social Group | | | |
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 33.02 | 33.64 | 32.57 | 33.16 | 32.43 | 33.03 | 32.77 | 32.75 | 34.67 | 32.90 | 34.25 |

# Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|---|---|---|
| SCI703 | Classifies materials and organisms based on properties/characteristics | 28.14 |
| SCI704 | Conducts simple investigation to seek answers to queries | 26.80 |
| SCI705 | Relates processes and phenomenon with causes | 27.76 |
| SCI708 | Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. | 27.13 |
| SCI710 | Plots and interprets graphs | 25.90 |
| SCI711 | Constructs models using materials from surroundings and explains their working | 14.66 |
| SCI801 | Differentiates materials, organism and processes | 48.94 |
| SCI804 | Relates processes and phenomenon with causes | 30.12 |
| SCI805 | Explains processes and phenomenon | 26.73 |
| SCI807 | Measures angles of incidence and reflection, etc. | 19.41 |
| SCI811 | Applies learning of scientific concepts in day-to-day life | 35.01 |
| SCI813 | Makes efforts to protect environment | 63.82 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|---|---|---|---|---|---|---|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 404 | 41.06 | 438 | 44.51 | 138 | 14.02 | 4 | 0.41 |

## Lowest Performing Learning Outcomes (LOs)

1 - Constructs models using materials from surroundings and explains their working (14.66)

2 - Measures angles of incidence and reflection, etc. (19.41)

3 - Plots and interprets graphs (25.90)

4 - Explains processes and phenomenon (26.73)

5 - Conducts simple investigation to seek answers to queries (26.80)

**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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