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

| District Report Card: 2017 | |
|---|---|
| **State:** Rajasthan | **District:** Banswara |
| **Class:** 8 | **Subject:** Science |
| **Schools:** 51 | **Students:** 1317 |

## Participation/Coverage

**Students**

| GENDER | Boys | | Girls | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 616 | 46.77 | 701 | 53.23 |

| AREA | Rural | | Urban | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 1294 | 98.25 | 23 | 1.75 |

| CATEGORY | SC | | ST | | OBC | | GEN | |
|---|---|---|---|---|---|---|---|---|
| | Number | % | Number | % | Number | % | Number | % |
| | 68 | 5.16 | 1168 | 88.69 | 53 | 4.02 | 28 | 2.13 |

| CWSN | LD | VI | HI | S&LD | ID | Oth |
|---|---|---|---|---|---|---|
| | 4 | 4 | 1 | 1 | 2 | 16 |

| Management | Government | | Government-aided | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 1317 | 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 |
| 53.02 | 54.48 | 51.74 | 52.57 | 78.55 | 53.02 | 0.00 | 48.24 | 52.99 | 54.47 | 63.10 |

# Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|---|---|---|
| SCI703 | Classifies materials and organisms based on properties/characteristics | 52.49 |
| SCI704 | Conducts simple investigation to seek answers to queries | 38.16 |
| SCI705 | Relates processes and phenomenon with causes | 48.57 |
| SCI708 | Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. | 71.07 |
| SCI710 | Plots and interprets graphs | 44.51 |
| SCI711 | Constructs models using materials from surroundings and explains their working | 37.83 |
| SCI801 | Differentiates materials, organism and processes | 62.63 |
| SCI804 | Relates processes and phenomenon with causes | 55.79 |
| SCI805 | Explains processes and phenomenon | 42.91 |
| SCI807 | Measures angles of incidence and reflection, etc. | 49.05 |
| SCI811 | Applies learning of scientific concepts in day-to-day life | 56.38 |
| SCI813 | Makes efforts to protect environment | 66.51 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|---|---|---|---|---|---|---|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 243 | 18.45 | 336 | 25.51 | 497 | 37.74 | 241 | 18.30 |

## Lowest Performing Learning Outcomes (LOs)

1 - Constructs models using materials from surroundings and explains their working (37.83)

2 - Conducts simple investigation to seek answers to queries (38.16)

3 - Explains processes and phenomenon (42.91)

4 - Plots and interprets graphs (44.51)

5 - Relates processes and phenomenon with causes (48.57)

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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.