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

| District Report Card: 2017 | |
|---|---|
| **State:** Maharashtra | **District:** Jalgaon |
| **Class:** 8 | **Subject:** Science |
| **Schools:** 50 | **Students:** 1360 |

## Participation/Coverage

**Students**

| GENDER | Boys | | Girls | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 767 | 56.40 | 593 | 43.60 |

| AREA | Rural | | Urban | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 922 | 67.79 | 438 | 32.21 |

| CATEGORY | SC | | ST | | OBC | | GEN | |
|---|---|---|---|---|---|---|---|---|
| | Number | % | Number | % | Number | % | Number | % |
| | 119 | 8.75 | 320 | 23.53 | 681 | 50.07 | 240 | 17.65 |

| CWSN | LD | VI | HI | S&LD | ID | Oth |
|---|---|---|---|---|---|---|
| | 0 | 11 | 1 | 0 | 0 | 30 |

| Management | Government | | Government-aided | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 52 | 3.82 | 1308 | 96.18 |

| Average Performance of Students in Science (%) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Overall | Gender | | Area | | Management | | Social Group | | | |
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 41.52 | 42.31 | 40.51 | 38.96 | 46.93 | 48.72 | 41.24 | 38.26 | 44.04 | 38.48 | 48.42 |

# Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|---|---|---|
| SCI703 | Classifies materials and organisms based on properties/characteristics | 41.07 |
| SCI704 | Conducts simple investigation to seek answers to queries | 29.56 |
| SCI705 | Relates processes and phenomenon with causes | 41.13 |
| SCI708 | Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. | 53.09 |
| SCI710 | Plots and interprets graphs | 36.55 |
| SCI711 | Constructs models using materials from surroundings and explains their working | 42.50 |
| SCI801 | Differentiates materials, organism and processes | 38.88 |
| SCI804 | Relates processes and phenomenon with causes | 45.91 |
| SCI805 | Explains processes and phenomenon | 38.98 |
| SCI807 | Measures angles of incidence and reflection, etc. | 43.01 |
| SCI811 | Applies learning of scientific concepts in day-to-day life | 39.73 |
| SCI813 | Makes efforts to protect environment | 61.18 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|---|---|---|---|---|---|---|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 517 | 38.01 | 380 | 27.94 | 313 | 23.01 | 150 | 11.03 |

## Lowest Performing Learning Outcomes (LOs)

1 - Conducts simple investigation to seek answers to queries (29.56)

2 - Plots and interprets graphs (36.55)

3 - Differentiates materials, organism and processes (38.88)

4 - Explains processes and phenomenon (38.98)

5 - Applies learning of scientific concepts in day-to-day life (39.73)

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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.