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

| District Report Card: 2017 | |
| --- | --- |
| **State:** Tamil Nadu | **District:** Madurai |
| **Class:** 8 | **Subject:** Science |
| **Schools:** 50 | **Students:** 1226 |

## Participation/Coverage

**Students**

| GENDER | Boys | | Girls | |
| --- | --- | --- | --- | --- |
| | Number | % | Number | % |
| | 549 | 44.78 | 677 | 55.22 |

| AREA | Rural | | Urban | |
| --- | --- | --- | --- | --- |
| | Number | % | Number | % |
| | 603 | 49.18 | 623 | 50.82 |

| CATEGORY | SC | | ST | | OBC | | GEN | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Number | % | Number | % | Number | % | Number | % |
| | 208 | 16.97 | 6 | 0.49 | 954 | 77.81 | 58 | 4.73 |

| CWSN | LD | VI | HI | S&LD | ID | Oth |
| --- | --- | --- | --- | --- | --- | --- |
| | 3 | 2 | 1 | 2 | 0 | 1 |

| Management | Government | | Government-aided | |
| --- | --- | --- | --- | --- |
| | Number | % | Number | % |
| | 555 | 45.27 | 671 | 54.73 |

| Average Performance of Students in Science (%) | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Overall | Gender | | Area | | Management | | Social Group | | | |
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 32.65 | 32.50 | 32.78 | 32.15 | 33.14 | 31.63 | 33.50 | 31.31 | 26.67 | 32.91 | 33.91 |

# Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|---|---|---|
| SCI703 | Classifies materials and organisms based on properties/characteristics | 37.45 |
| SCI704 | Conducts simple investigation to seek answers to queries | 19.23 |
| SCI705 | Relates processes and phenomenon with causes | 39.73 |
| SCI708 | Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. | 19.98 |
| SCI710 | Plots and interprets graphs | 27.01 |
| SCI711 | Constructs models using materials from surroundings and explains their working | 24.44 |
| SCI801 | Differentiates materials, organism and processes | 35.83 |
| SCI804 | Relates processes and phenomenon with causes | 45.98 |
| SCI805 | Explains processes and phenomenon | 26.89 |
| SCI807 | Measures angles of incidence and reflection, etc. | 22.76 |
| SCI811 | Applies learning of scientific concepts in day-to-day life | 36.83 |
| SCI813 | Makes efforts to protect environment | 49.59 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|---|---|---|---|---|---|---|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 561 | 45.76 | 496 | 40.46 | 166 | 13.54 | 3 | 0.24 |

## Lowest Performing Learning Outcomes (LOs)

1 - Conducts simple investigation to seek answers to queries (19.23)

2 - Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc. (19.98)

3 - Measures angles of incidence and reflection, etc. (22.76)

4 - Constructs models using materials from surroundings and explains their working (24.44)

5 - Explains processes and phenomenon (26.89)

**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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