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

District Report Card: 2017

| State: Gujarat | District: Patan |
| :--- | :--- |
| Class: 3 | Subject: Language |
| Schools: 61 | Students: 1404 |

Participation/Coverage
Students

| GENDER |  | Boys |  | Girls |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |  |
|  | 698 | 49.72 | 706 | 50.28 |  |


| AREA |  | Rural |  | Urban |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |  |
|  | 1222 | 87.04 | 182 | 12.96 |  |


| CATEGORY | SC |  | ST |  | OBC |  | GEN |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | \% | Number | \% | Number | \% | Number | \% |
|  | 135 | 9.62 | 14 | 1.00 | 1171 | 83.40 | 84 | 5.98 |


| $\begin{gathered} \text { cWSN } \\ \text { cid } \end{gathered}$ | LD | VI | HI | S\&LD | ID | Oth |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (1) | 1 | 7 | 1 | 1 | 3 | 2 |


| Management <br>  <br>   | Number | $\%$ | Government |  |
| :---: | :---: | :---: | :---: | :---: |

Average Performance of Students in Language (\%)

| Overall | Gender |  | Area |  | Management |  |  | Social Group |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 69.33 | 68.87 | 69.78 | 69.30 | 69.56 | 69.66 | 52.59 | 71.01 | 46.67 | 69.03 | 74.60 |

## Performance on Learning Outcomes (LOs)

| Learning <br> Outcomes | Description | Average Performance(\%) |
| :---: | :--- | :---: |
| L304 | Reads small texts with comprehension i.e., identifies main <br> ideas, details, sequence and draws conclusions | 70.72 |
| L312 | Reads printed scripts on the classroom walls: poems, posters, <br> charts etc. | 66.55 |

## Range of Performance of Students who Answered Correctly

| Below 30\% |  | $\mathbf{3 0 \% - 5 0 \%}$ |  | $\mathbf{5 0 \% - 7 5 \%}$ |  | Above 75\% |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | $\%$ | Number | $\%$ | Number | $\%$ | Number | $\%$ |
| 110 | 7.83 | 176 | 12.54 | 468 | 33.33 | 650 | 46.30 |

## Lowest Performing Learning Outcomes (LOs)

1 - Reads printed scripts on the classroom walls: poems, posters, charts etc. (66.55)
2 - Reads small texts with comprehension i.e., identifies main ideas, details, sequence and draws conclusions (70.72)

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

| District Report Card: 2017 |  |
| :--- | :--- |
| State: Gujarat | District: Patan |
| Class: 3 | Subject: EVS |
| Schools: 61 | Students: 1404 |

## Participation/Coverage

## Students

| GENDER | Boys |  | Girls |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |
|  | 698 | 49.72 | 706 | 50.28 |


| AREA |  | Rural |  | Urban |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |  |


| CATEGORY | SC |  | ST |  | OBC |  | GEN |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | \% | Number | \% | Number | \% | Number | \% |
|  | 135 | 9.62 | 14 | 1.00 | 1171 | 83.40 | 84 | 5.98 |


| $\begin{gathered} \text { CWSN } \\ \text { is } \\ 6.0 \end{gathered}$ | LD | VI | HI | S\&LD | ID | Oth |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (1) | 1 | 7 | 1 | 1 | 3 | 2 |


| Management | Government |  | Government-aided |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |

Average Performance of Students in EVS (\%)

| Overall | Gender |  | Area |  | Management |  |  | Social Group |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 64.90 | 64.37 | 65.41 | 64.95 | 64.54 | 65.39 | 39.75 | 64.79 | 44.76 | 64.91 | 68.25 |

## Performance on Learning Outcomes (LOs)

| Learning <br> Outcomes | Description | Average <br> Performance(\%) |
| :---: | :--- | :---: |
| E302 | Identifies simple features (e.g. movement, at places found/ kept, eating <br> habits, sounds) of animals and birds in the immediate surroundings. | 53.85 |
| E303 | Identifies relationships with and among family members | 67.53 |
| E304 | Identifies objects, signs (vessels, stoves, transport, means of <br> communication, transport, signboards etc.), places (types of <br> houses/shelters, bus stand, petrol pump etc.) activities (works people do, <br> cooking processes, etc.) at home/school/neighborhoods | 66.49 |
| E305 | Describes need of food for people of different age groups, animals/birds, <br> availability of food and water and use of water at home and surroundings | 65.14 |
| E307 | Groups objects, birds, animals, features, activities according to <br> differences/similarities using different senses. (e.g. appearance/place of <br> living/ food/ movement/ likes-dislikes/ any other features) | 72.17 |
| E310 | Identifies directions, location of objects/places in simple maps using <br> signs/symbols/verbally | Guesses properties, estimates quantities of materials/activities in daily life <br> and verifies using symbols/non-standard units |
| E311 | Records observations, experiences, information on <br> objects/activities/places visited in different ways and predicts patterns <br> etc. | 59.29 |
| E313 | Observes rules in games (local, indoor, outdoor) | 52.85 |
| E314 | Voices opinion on good/bad touch, stereotypes for tasks/play/food in <br> family w.r.t gender, misuse/wastage of food and water in family and <br> school. | 41.34 |

Range of Performance of Students who Answered Correctly

| Below 30\% |  | $\mathbf{3 0 \% - 5 0 \%}$ |  | $\mathbf{5 0 \% - 7 5 \%}$ |  | Above 75\% |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | $\%$ | Number | $\%$ | Number | $\%$ | Number | $\%$ |
| 154 | 10.97 | 222 | 15.81 | 490 | 34.90 | 538 | 38.32 |

## Lowest Performing Learning Outcomes (LOs)

1 - Observes rules in games (local, indoor, outdoor) (41.34)
2 - Records observations, experiences, information on objects/activities/places visited in different ways and predicts patterns etc. (52.85)

3 - Identifies simple features (e.g. movement, at places found/ kept, eating habits, sounds) of animals and birds in the immediate surroundings. (53.85)

4 - Identifies directions, location of objects/places in simple maps using signs/symbols/verbally (59.29)
5 - Guesses properties, estimates quantities of materials/activities in daily life and verifies using symbols/non-standard units (64.89)

CSWN: LD- Locomotor Disability; VI- Visual Impairment; HI- Hearing Impairment;
S\&LD- Speech and Language Disability; ID- Intellectual Disability; Oth- Other Disability.

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

| District Report Card: 2017 |  |
| :--- | :--- |
| State: Gujarat | District: Patan |
| Class: 3 | Subject: Mathematics |
| Schools: 61 | Students: 1404 |

Participation/Coverage
Students

| GENDER |  | Boys |  | Girls |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |  |
|  | 698 | 49.72 | 706 | 50.28 |  |


| AREA |  | Rural |  | Urban |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |  |
|  | 1222 | 87.04 | 182 | 12.96 |  |


| CATEGORY | SC |  | ST |  | OBC |  | GEN |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | \% | Number | \% | Number | \% | Number | \% |
|  | 135 | 9.62 | 14 | 1.00 | 1171 | 83.40 | 84 | 5.98 |


|  | LD | VI | HI | S\&LD | ID | Oth |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 7 | 1 | 1 | 3 | 2 |


| Management <br>  <br>   | Number | $\%$ | Government |  |
| :---: | :---: | :---: | :---: | :---: |

Average Performance of Students in Mathematics (\%)

| Overall | Gender |  | Area |  | Management |  |  | Social Group |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 61.86 | 61.92 | 61.79 | 62.05 | 60.59 | 62.35 | 36.79 | 60.69 | 35.71 | 62.08 | 64.92 |

## Performance on Learning Outcomes (LOs)

| Learning <br> Outcomes | Description | Average <br> Performance(\%) |
| :---: | :--- | :---: |
| M301 | Reads and writes numbers up to 999 using place value | 57.09 |
| M302 | Compares numbers up to 999 based on their place values | 76.35 |
| M303 | Solves simple daily life problems using addition and subtraction of <br> three digit numbers with and without regrouping | 56.62 |
| M304 | Constructs and uses the multiplication facts (up till 10) in daily life <br> situations | 60.51 |
| M305 | Analyses and applies an appropriate number operation in the <br> situation/ context | 58.90 |
| M306 | Explains the meaning of division facts by equal grouping/sharing and <br> finds it by repeated subtraction | 59.33 |
| M309 | Identifies and makes 2D-shapes by paper folding, paper cutting on <br> the dot grid, using straight lines etc. | 77.70 |
| M311 | Fills a given region leaving no gaps using a tile of a given shape | 42.41 |
| M312 | Estimates and measures length and distance using standard units <br> like centimeters or meters \& identifies relationships | 39.06 |
| M317 | Reads the time correctly to the hour using a clock/watch | 69.16 |
| M318 | Extends patterns in simple shapes and numbers | 54.96 |
| M319 | Records data using tally marks, represents pictorially and draws <br> conclusions | 77.28 |

Range of Performance of Students who Answered Correctly

| Below 30\% |  | $\mathbf{3 0 \% - 5 0 \%}$ |  | $\mathbf{5 0 \% - 7 5 \%}$ |  | Above 75\% |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | $\%$ | Number | $\%$ | Number | $\%$ | Number | $\%$ |
| 164 | 11.68 | 271 | 19.30 | 518 | 36.89 | 451 | 32.12 |

## Lowest Performing Learning Outcomes (LOs)

1 - Estimates and measures length and distance using standard units like centimeters or meters \& identifies relationships (39.06)

2 - Fills a given region leaving no gaps using a tile of a given shape (42.41)
3 - Extends patterns in simple shapes and numbers (54.96)
4 - Solves simple daily life problems using addition and subtraction of three digit numbers with and without regrouping (56.62)

5 - Reads and writes numbers up to 999 using place value (57.09)

CSWN: LD- Locomotor Disability; VI- Visual Impairment; HI- Hearing Impairment;
S\&LD- Speech and Language Disability; ID- Intellectual Disability; Oth- Other Disability.

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

District Report Card: 2017

| State: Gujarat | District: Patan |
| :--- | :--- |
| Class: 5 | Subject: Language |
| Schools: 61 | Students: 1354 |

Participation/Coverage
Students

| GENDER |  | Boys |  | Girls |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |  |
|  | 732 | 54.06 | 622 | 45.94 |  |


| AREA |  | Rural |  | Urban |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |  |
|  | 1204 | 88.92 | 150 | 11.08 |  |


| CATEGORY | SC |  | ST |  | OBC |  | GEN |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | \% | Number | \% | Number | \% | Number | \% |
|  | 129 | 9.53 | 13 | 0.96 | 1121 | 82.79 | 91 | 6.72 |


| CWSN <br> \& 6d 5 <br>  | LD | VI | HI | S\&LD | ID | Oth |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0 | 2 | 1 | 0 | 1 | 0 |


| Management <br>  <br>   | Number | $\%$ | Government |  |
| :---: | :---: | :---: | :---: | :---: |

Average Performance of Students in Language (\%)

| Overall | Gender |  | Area |  | Management |  |  | Social Group |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 61.43 | 59.85 | 63.28 | 61.95 | 57.20 | 61.65 | 48.41 | 62.89 | 52.31 | 62.03 | 53.19 |

## Performance on Learning Outcomes (LOs)

| Learning <br> Outcomes | Description | Average Performance(\%) |
| :---: | :--- | :---: |
| L504 | Reads and comprehends independently storybooks, news <br> items/ headlines, advertisements etc. | 58.18 |
| L508 | Reads text with comprehension, locates details and sequence <br> of events | 63.05 |

## Range of Performance of Students who Answered Correctly

| Below 30\% |  | $\mathbf{3 0 \% - 5 0 \%}$ |  | $\mathbf{5 0 \% - 7 5 \%}$ |  | Above 75\% |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | $\%$ | Number | $\%$ | Number | $\%$ | Number | $\%$ |
| 157 | 11.60 | 282 | 20.83 | 498 | 36.78 | 417 | 30.80 |

## Lowest Performing Learning Outcomes (LOs)

1 - Reads and comprehends independently storybooks, news items/ headlines, advertisements etc. (58.18)
2 - Reads text with comprehension, locates details and sequence of events (63.05)

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

| District Report Card: 2017 |  |
| :--- | :--- |
| State: Gujarat | District: Patan |
| Class: 5 | Subject: EVS |
| Schools: 61 | Students: 1354 |

## Participation/Coverage

## Students

| GENDER |  | Boys |  | Girls |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |  |
|  | 732 | 54.06 | 622 | 45.94 |  |


| AREA |  | Rural |  | Urban |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |  |
|  | 1204 | 88.92 | 150 | 11.08 |  |


| CATEGORY | SC |  | ST |  | OBC |  | GEN |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | \% | Number | \% | Number | \% | Number | \% |
|  | 129 | 9.53 | 13 | 0.96 | 1121 | 82.79 | 91 | 6.72 |


| CWSN <br> \& 6d 5 <br>  | LD | VI | HI | S\&LD | ID | Oth |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0 | 2 | 1 | 0 | 1 | 0 |


| Management <br>  <br>   | Number | $\%$ | Government-aided |  |
| :---: | :---: | :---: | :---: | :---: |

Average Performance of Students in EVS (\%)

| Overall | Gender |  | Area |  | Management |  | Social Group |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 58.74 | 57.68 | 60.00 | 58.75 | 58.67 | 58.77 | 57.39 | 61.09 | 57.44 | 59.27 | 49.16 |

## Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(\%) |
| :---: | :---: | :---: |
| E403 | Identifies relationship with and among family members in extended family | 60.30 |
| E410 | Records observations/experiences/information for objects, activities, phenomena, places visited in different ways and predicts patterns and activities/ phenomena | 59.94 |
| E501 | Explains the super senses and unusual features (sight, smell, hear, sleep, sound, etc.) of animals and their responses to light, sound, food etc. | 57.39 |
| E503 | Describes the interdependence among animals, plants and humans | 63.07 |
| E504 | Explains the role and functions of different institutions in daily life (Bank, Panchayat, cooperatives, police station, etc.) | 71.09 |
| E505 | Establishes linkages among terrain, climate, resources (food, water, shelter, livelihood) and cultural life. (e.g. life in distant/difficult areas like hot/cold deserts) | 35.35 |
| E506 | Groups objects, materials, activities for features/properties such as shape, taste, color , texture, sound, traits etc. | 47.72 |
| E507 | Traces the changes in practices, customs, techniques of past and present through coins, paintings, monuments, museum etc. and interacting with elders | 69.93 |
| E508 | Guesses (properties, conditions of phenomena), estimates spatial quantities (distance, area, volume, weight etc. ) and time in simple standard units and verifies using simple tools/set ups | 54.71 |
| E509 | Records observations/experiences/information in an organized manner (e.g. in tables/ sketches/ bar graphs/ pie charts) and predicts patterns in activities/phenomena (e.g. floating, sinking, mixing, evaporation , germination, spoilage) to establish relation between cause and effect. | 52.78 |
| E510 | Identifies signs, directions, location of different objects/landmarks of a locality /place visited in maps and predicts directions w.r.t. positions at different places for a location | 64.30 |
| E512 | Voices opinions on issues observed/experienced and relates practices /happenings to larger issues of society | 57.14 |
| E513 | Suggests ways for hygiene, health, managing waste, disaster/emergency situations and protecting/saving resources | 66.54 |

Range of Performance of Students who Answered Correctly

| Below 30\% |  | $\mathbf{3 0 \% - 5 0 \%}$ |  | $\mathbf{5 0 \% - 7 5 \%}$ |  | Above 75\% |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | $\%$ | Number | $\%$ | Number | $\%$ | Number | $\%$ |
| 201 | 14.84 | 298 | 22.01 | 472 | 34.86 | 383 | 28.29 |

## Lowest Performing Learning Outcomes (LOs)

1 - Establishes linkages among terrain, climate, resources (food, water, shelter, livelihood) and cultural life. (e.g. life in distant/difficult areas like hot/cold deserts) (35.35)

2 - Groups objects, materials, activities for features/properties such as shape, taste, color, texture, sound, traits etc. (47.72)

3 - Records observations/experiences/information in an organized manner (e.g. in tables/ sketches/ bar graphs/ pie charts) and predicts patterns in activities/phenomena (e.g. floating, sinking, mixing, evaporation, germination, spoilage) to establish relation between cause and effect. (52.78)

4 - Guesses (properties, conditions of phenomena), estimates spatial quantities (distance, area, volume, weight etc. ) and time in simple standard units and verifies using simple tools/set ups (54.71)

5 - Voices opinions on issues observed/experienced and relates practices /happenings to larger issues of society (57.14)

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

District Report Card: 2017

State: Gujarat
Class: 5
Schools: 61

District: Patan
Subject: Mathematics
Students: 1354

Participation/Coverage
Students

| GENDER |  | Boys |  | Girls |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |  |
|  | 732 | 54.06 | 622 | 45.94 |  |


| AREA |  | Rural |  | Urban |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |  |
|  | 1204 | 88.92 | 150 | 11.08 |  |


| CATEGORY | SC |  | ST |  | OBC |  | GEN |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | \% | Number | \% | Number | \% | Number | \% |
|  | 129 | 9.53 | 13 | 0.96 | 1121 | 82.79 | 91 | 6.72 |


|  | LD | VI | HI | S\&LD | ID | Oth |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0 | 2 | 1 | 0 | 1 | 0 |


| Management <br>  <br>   <br>   | Government |  | Government-aided |  |
| :---: | :---: | :---: | :---: | :---: |

Average Performance of Students in Mathematics (\%)

| Overall | Gender |  | Area |  | Management |  |  | Social Group |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 58.56 | 57.14 | 60.24 | 59.10 | 54.27 | 58.86 | 41.45 | 61.09 | 61.03 | 58.93 | 50.11 |

## Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(\%) |
| :---: | :---: | :---: |
| M401 | Applies operations of numbers in daily life situations | 68.76 |
| M412 | Explores the area and perimeter of simple geometrical shapes (triangle, rectangle, square) in terms of given shape as a unit | 52.28 |
| M418 | Calculates time intervals/duration of familiar daily life events by using forward or backward counting/addition and subtraction | 71.62 |
| M421 | Represent the collected information in tables and bar graphs and draws inferences from these | 61.15 |
| M501 | Reads and writes numbers bigger than 1000 being used in her/his surroundings | 64.77 |
| M504 | Estimates sum, difference, product and quotient of numbers and verifies the same using different strategies like using standard algorithms or breaking a number and then using operation | 53.63 |
| M505 | Finds the number corresponding to part of a collection | 64.96 |
| M506 | Identifies and forms equivalent fractions of a given fraction | 44.09 |
| M508 | Converts fractions into decimals and vice versa | 65.24 |
| M509 | Classifies angles into right angle, acute angle, obtuse angle and represents the same by drawing and tracing | 55.89 |
| M512 | Relates different commonly used larger and smaller units of length, weight and volume and converts larger units to smaller units and vice versa | 59.26 |
| M513 | Estimates the volume of a solid body in known units. | 48.90 |
| M514 | Applies the four fundamental arithmetic operations in solving problems involving money, length, mass, capacity and time intervals | 52.76 |
| M515 | Identifies the pattern in triangular numbers and square number | 50.00 |
| M516 | Collects data related to various daily life situations, represents it in tabular form and as bar graphs and interprets it | 58.81 |

Range of Performance of Students who Answered Correctly

| Below 30\% |  | $\mathbf{3 0 \% - 5 0 \%}$ |  | $\mathbf{5 0 \% - 7 5 \%}$ |  | Above 75\% |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | $\%$ | Number | $\%$ | Number | $\%$ | Number | $\%$ |
| 195 | 14.40 | 297 | 21.94 | 489 | 36.12 | 373 | 27.55 |

## Lowest Performing Learning Outcomes (LOs)

1 - Identifies and forms equivalent fractions of a given fraction (44.09)
2 - Estimates the volume of a solid body in known units. (48.90)
3 - Identifies the pattern in triangular numbers and square number (50.00)
4 - Explores the area and perimeter of simple geometrical shapes (triangle, rectangle, square) in terms of given shape as a unit (52.28)

5 - Applies the four fundamental arithmetic operations in solving problems involving money, length, mass, capacity and time intervals (52.76)

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

District Report Card: 2017

| State: Gujarat | District: Patan |
| :--- | :--- |
| Class: 8 | Subject: Language |
| Schools: 51 | Students: 1310 |

Participation/Coverage
Students

| GENDER |  | Boys |  | Girls |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |  |
|  | 778 | 59.39 | 532 | 40.61 |  |


| AREA |  | Rural |  | Urban |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |  |
|  | 1175 | 89.69 | 135 | 10.31 |  |


| CATEGORY | SC |  | ST |  | OBC |  | GEN |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | \% | Number | \% | Number | \% | Number | \% |
|  | 112 | 8.55 | 11 | 0.84 | 1045 | 79.77 | 142 | 10.84 |


|  | LD | VI | HI | S\&LD | ID | Oth |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 4 | 32 | 0 | 5 | 0 | 4 |


| Management | Government |  | Government-aided |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |


| Average Performance of Students in Language (\%) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Overall | Gender |  | Area |  | Management |  | Social Group |  |  |  |
|  | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 60.64 | 59.95 | 61.64 | 61.04 | 57.14 | 60.54 | 62.96 | 61.31 | 67.88 | 59.94 | 64.69 |

## Performance on Learning Outcomes (LOs)

| Learning <br> Outcomes | Description | Average Performance(\%) |
| :---: | :--- | :---: |
| L813 | Read textual/non-textual materials with comprehension and <br> identifies the details, characters, main idea and sequence of <br> ideas and events while reading | 60.64 |

Range of Performance of Students who Answered Correctly

| Range of Performance of Students who Answered Correctly |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Below 30\% |  | $\mathbf{3 0 \% - 5 0 \%}$ |  | $\mathbf{5 0 \% - 7 5 \%}$ |  | Above 75\% |  |
| Number | $\%$ | Number | $\%$ | Number | $\%$ | Number | $\%$ |
| 135 | 10.31 | 244 | 18.63 | 605 | 46.18 | 326 | 24.89 |

## Lowest Performing Learning Outcomes (LOs)

1 - Read textual/non-textual materials with comprehension and identifies the details, characters, main idea and sequence of ideas and events while reading (60.64)

CSWN: LD- Locomotor Disability; VI- Visual Impairment; HI- Hearing Impairment;
S\&LD- Speech and Language Disability; ID- Intellectual Disability; Oth- Other Disability.

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

| District Report Card: 2017 |  |
| :--- | :--- |
| State: Gujarat | District: Patan |
| Class: 8 | Subject: Mathematics |
| Schools: 51 | Students: 1310 |

Participation/Coverage
Students

| GENDER |  | Boys |  | Girls |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |  |
|  | 778 | 59.39 | 532 | 40.61 |  |


| AREA |  | Rural |  | Urban |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |  |
|  | 1175 | 89.69 | 135 | 10.31 |  |


| CATEGORY | SC |  | ST |  | OBC |  | GEN |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | \% | Number | \% | Number | \% | Number | \% |
|  | 112 | 8.55 | 11 | 0.84 | 1045 | 79.77 | 142 | 10.84 |


|  | LD | VI | HI | S\&LD | ID | Oth |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 4 | 32 | 0 | 5 | 0 | 4 |


| Management | Government |  | Government-aided |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |

Average Performance of Students in Mathematics (\%)

| Overall | Gender |  | Area |  | Management |  |  |  | Social Group |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |  |  |
| 47.20 | 47.93 | 46.13 | 48.39 | 36.84 | 47.89 | 30.99 | 45.60 | 50.91 | 46.47 | 53.52 |  |  |

## Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(\%) |
| :---: | :---: | :---: |
| M601 | Solves problems involving large numbers by applying appropriate operations | 48.28 |
| M606 | Solves problems on daily life situations involving addition and subtraction of fractions / decimals | 48.44 |
| M620 | Finds out the perimeter and area of rectangular objects in the surroundings like floor of the class room, surfaces of a chalk box etc. | 52.51 |
| M621 | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them | 46.41 |
| M702 | Interprets the division and multiplication of fractions | 45.65 |
| M705 | Solves problems related to daily life situations involving rational numbers | 41.76 |
| M706 | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers | 42.99 |
| M707 | Adds/subtracts algebraic expressions | 57.94 |
| M710 | Solves problems related to conversion of percentage to fraction and decimal and vice versa | 41.94 |
| M717 | Finds out approximate area of closed shapes by using unit square grid/graph sheet | 38.44 |
| M719 | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode | 52.26 |
| M721 | Interprets data using bar graph | 58.06 |
| M801 | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns | 27.61 |
| M802 | Finds rational numbers between two given rational numbers | 43.43 |
| M803 | Proves divisibility rules of $2,3,4,5,6,9$ and 11 | 50.00 |
| M804 | Finds squares, cubes, square roots and cube roots of numbers using different methods | 46.42 |
| M808 | Uses various algebraic identities in solving problems of daily life | 65.07 |
| M812 | Verifies properties of parallelogram and establishes the relationship between them through reasoning | 38.10 |
| M818 | Finds surface area and volume of cuboidal and cylindrical object | 30.00 |
| M819 | Draws and interprets bar charts and pie charts | 54.96 |

Range of Performance of Students who Answered Correctly

| Below 30\% |  | $\mathbf{3 0 \% - 5 0 \%}$ |  | $\mathbf{5 0 \% - 7 5 \%}$ |  | Above 75\% |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | $\%$ | Number | $\%$ | Number | $\%$ | Number | $\%$ |
| 357 | 27.25 | 407 | 31.07 | 360 | 27.48 | 186 | 14.20 |

## Lowest Performing Learning Outcomes (LOs)

1 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (27.61)

2 - Finds surface area and volume of cuboidal and cylindrical object (30.00)
3 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (38.10)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (38.44)
5 - Solves problems related to daily life situations involving rational numbers (41.76)

CSWN: LD- Locomotor Disability; VI- Visual Impairment; HI- Hearing Impairment; S\&LD- Speech and Language Disability; ID- Intellectual Disability; Oth- Other Disability.

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

| District Report Card: 2017 |  |
| :--- | :--- |
| State: Gujarat | District: Patan |
| Class: 8 | Subject: Science |
| Schools: 51 | Students: 1310 |

Participation/Coverage
Students

| GENDER |  | Boys |  | Girls |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |  |
|  | 778 | 59.39 | 532 | 40.61 |  |


| AREA | Rural |  | Urban |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |
|  | 1175 | 89.69 | 135 | 10.31 |


| CATEGORY | SC |  | ST |  | OBC |  | GEN |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | \% | Number | \% | Number | \% | Number | \% |
|  | 112 | 8.55 | 11 | 0.84 | 1045 | 79.77 | 142 | 10.84 |


| $\begin{gathered} \text { CWSN } \\ \text { cis } \\ \text { (י) } \\ \text { © } \end{gathered}$ | LD | VI | HI | S\&LD | ID | Oth |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 4 | 32 | 0 | 5 | 0 | 4 |


| Management | Government |  | Government-aided |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |

Average Performance of Students in Science (\%)

| Overall | Gender |  | Area |  | Management |  |  | Social Group |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 51.57 | 52.58 | 50.10 | 52.10 | 46.96 | 52.28 | 35.19 | 51.07 | 63.64 | 50.88 | 56.15 |

## Performance on Learning Outcomes (LOs)

| Learning <br> Outcomes | Description | Average <br> Performance(\%) |
| :---: | :--- | :---: |
| SCI703 | Classifies materials and organisms based on <br> properties/characteristics | 54.10 |
| SCI704 | Conducts simple investigation to seek answers to queries | 41.92 |
| SCI705 | Relates processes and phenomenon with causes | 47.27 |
| SCI708 | Measures and calculates e.g., temperature; pulse rate; speed of <br> moving objects; time period of a simple pendulum, etc. | 60.31 |
| SCI710 | Plots and interprets graphs | 37.97 |
| SCI711 | Constructs models using materials from surroundings and explains <br> their working | 48.59 |
| SCI801 | Differentiates materials, organism and processes | 58.46 |
| SCI804 | Relates processes and phenomenon with causes | 50.31 |
| SCI805 | Explains processes and phenomenon | 45.45 |
| SCI807 | Measures angles of incidence and reflection, etc. | 44.66 |
| SCI811 | Applies learning of scientific concepts in day-to-day life | 52.89 |
| SCI813 | Makes efforts to protect environment | 68.09 |

Range of Performance of Students who Answered Correctly

| Below 30\% |  | $\mathbf{3 0 \% - 5 0 \%}$ |  | $\mathbf{5 0 \% - 7 5 \%}$ |  | Above 75\% |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | $\%$ | Number | $\%$ | Number | $\%$ | Number | $\%$ |
| 246 | 18.78 | 369 | 28.17 | 504 | 38.47 | 191 | 14.58 |

## Lowest Performing Learning Outcomes (LOs)

1 - Plots and interprets graphs (37.97)
2 - Conducts simple investigation to seek answers to queries (41.92)
3 - Measures angles of incidence and reflection, etc. (44.66)
4 - Explains processes and phenomenon (45.45)
5 - Relates processes and phenomenon with causes (47.27)

CSWN: LD- Locomotor Disability; VI- Visual Impairment; HI- Hearing Impairment;
S\&LD- Speech and Language Disability; ID- Intellectual Disability; Oth- Other Disability.

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

| District Report Card: 2017 |  |
| :--- | :--- |
| State: Gujarat | District: Patan |
| Class: 8 | Subject: SST |
| Schools: 51 | Students: 1310 |

## Participation/Coverage

## Students

| GENDER | Boys |  | Girls |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |
|  | 778 | 59.39 | 532 | 40.61 |


| AREA |  | Rural |  | Urban |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |  |
|  | 1175 | 89.69 | 135 | 10.31 |  |


| CATEGORY | SC |  | ST |  | OBC |  | GEN |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | \% | Number | \% | Number | \% | Number | \% |
|  | 112 | 8.55 | 11 | 0.84 | 1045 | 79.77 | 142 | 10.84 |


| $\begin{gathered} \text { CWSN } \\ \text { cis } \\ \text { (י) } \\ \text { © } \end{gathered}$ | LD | VI | HI | S\&LD | ID | Oth |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 4 | 32 | 0 | 5 | 0 | 4 |


| Management | Government |  | Government-aided |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Number | $\%$ | Number | $\%$ |

Average Performance of Students in SST (\%)

| Overall | Gender |  | Area |  | Management |  |  | Social Group |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 55.67 | 56.37 | 54.65 | 56.03 | 52.49 | 56.17 | 43.95 | 55.95 | 71.52 | 55.39 | 56.24 |

## Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(\%) |
| :---: | :---: | :---: |
| SST605 | Identifies latitudes and longitudes, e.g., poles, equator, tropics, States/UTs of India and other neighboring countries on globe and the world map | 70.99 |
| SST610 | Locates important historical sites, places on an outline map of India. | 72.54 |
| SST625 | Describes the functioning of rural and urban local government bodies in sectors like health and education | 18.36 |
| SST703 | Explains preventive actions to be undertaken in the event of disasters | 59.54 |
| SST704 | Describes formation of landforms due to various factors | 62.99 |
| SST722 | Explains the significance of equality in democracy | 50.78 |
| SST726 | Describes the process of election to the legislative assembly | 68.91 |
| SST731 | Explains the functioning of media with appropriate examples from newspapers | 52.97 |
| SST733 | Differentiates between different kinds of markets | 76.87 |
| SST734 | Traces how goods travel through various market places | 65.16 |
| SST802 | Describes major crops, types of farming and agricultural practices in her/his own area/state | 49.31 |
| SST805 | Locates distribution of important minerals e.g. coal and mineral oil on the world map | 52.34 |
| SST807 | Justifies judicious use of natural resources | 8.51 |
| SST809 | Draws interrelationship between types of farming and development in different regions of the world | 49.84 |
| SST810 | Distinguishes the modern period from the medieval and the ancient periods through the use of sources | 68.75 |
| SST815 | Explains the origin, nature and spread of the revolt of 1857 and the lessons learned from it. | 64.48 |
| SST816 | Analyses the decline of pre-existing urban centers and handicraft industries and the development of new urban centers and industries in India during the colonial period | 39.39 |
| SST818 | Analyses the issues related to caste, women, widow remarriage, child marriage, social reforms and the laws and policies of colonial administration towards these issues | 67.18 |
| SST823 | Applies the knowledge of the Fundamental Rights to find out about their violation, protection and promotion in a given situation | 43.89 |
| SST827 | Describes the process of making a law. (e.g. Domestic Violence Act, RTI Act, RTE Act) | 68.51 |
| SST831 | Identifies the role of Government in providing public facilities such as water, sanitation, road, electricity etc., and recognizes their availability | 51.97 |
| SST833 | Draws bar diagram to show population of different countries/India/states | 73.91 |

## Range of Performance of Students who Answered Correctly

| Below 30\% |  | $\mathbf{3 0 \% - 5 0 \%}$ |  | $\mathbf{5 0 \% - 7 5 \%}$ |  | Above 75\% |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | $\%$ | Number | $\%$ | Number | $\%$ | Number | $\%$ |
| 175 | 13.36 | 317 | 24.20 | 590 | 45.04 | 228 | 17.40 |

## Lowest Performing Learning Outcomes (LOs)

1 - Justifies judicious use of natural resources (8.51)
2 - Describes the functioning of rural and urban local government bodies in sectors like health and education (18.36)
3 - Analyses the decline of pre-existing urban centers and handicraft industries and the development of new urban centers and industries in India during the colonial period (39.39)

4 - Applies the knowledge of the Fundamental Rights to find out about their violation, protection and promotion in a given situation (43.89)

5 - Describes major crops, types of farming and agricultural practices in her/his own area/state (49.31)

