



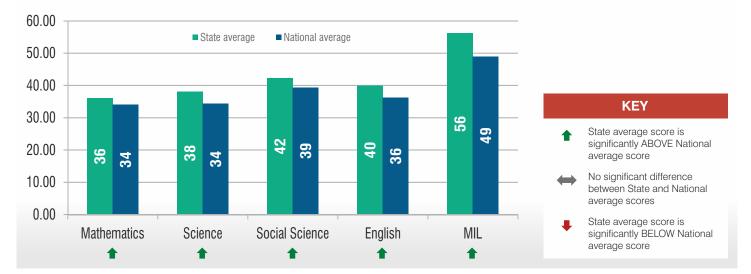


## NATIONAL ACHIEVEMENT SURVEY – CLASS X CYCLE 2 (2017-18)



This State Report Card (SRC) of National Achievement Survey (NAS) Class X (Cycle 2) provides an overview of students' academic performance in the state. The NAS surveyed a representative sample of all school types in each state and measured students' performance in five subjects – Mathematics, Science, Social Science, English and Modern Indian Languages (MIL) — Reading Comprehension.

## Performance of students in your state: Average Percent Correct



### Distribution of students by range (percent correct)

SUBJECTS		0 – 35 (%)	36 – 50 (%)	51 – 75 (%)	76 – 100 (%)
Mathematics	State	64	21	12	3
Mathematics	National	67	20	11	2
Science	State	49	34	16	1
	National	62	27	10	1
Social Science	State	35	42	21	2
	National	44	38	17	1
English	State	48	29	21	2
English	National	61	21	15	3
Modern Indian Language (MIL)	State	16	23	45	16
	National	27	27	39	7



#### **Educational Survey Division**

राष्ट्रीय शैक्षिक अनुसंधान और प्रशिक्षण परिषद् NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING Sri Aurobindo Marg, New Delhi 110 016

Performance by: <b>LOCAT</b>	ON		
Subjects	Rural (% Correct)	Urban (% Correct)	Significant Difference
Mathematics	31	38	÷
Science	35	39	ŧ
Social Science	39	43	ŧ
English	34	42	÷
MIL	55	57	$\Leftrightarrow$

Performance by: <b>GENDE</b>	R		
Subjects	Girls (% Correct)	Boys (% Correct)	Significant Difference
Mathematics	35	37	$\Leftrightarrow$
Science	37	39	$ \Longleftrightarrow $
Social Science	42	42	$\Leftrightarrow$
English	40	40	$\Leftrightarrow$
MIL	57	55	$\Leftrightarrow$

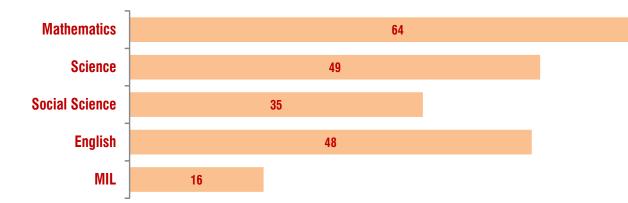
Performance by: <b>SOCIA</b>									
Subjects	SC (% Correct)	Others (% Correct)	Significant Difference	ST (% Correct)	Others (% Correct)	Significant Difference	OBC (% Correct)	Others (% Correct)	Significant Difference
Mathematics	33	36	ŧ	48	36	ŧ	43	36	$\Leftrightarrow$
Science	37	38	$\Leftrightarrow$	60	38	1	41	38	$\Leftrightarrow$
Social Science	43	42	ŧ	17	42	ŧ	46	42	$\Leftrightarrow$
English	38	40	$\Leftrightarrow$	35	40	ŧ	45	40	$\Leftrightarrow$
MIL	54	57	$\Leftrightarrow$	26	57	ŧ	60	57	$\Leftrightarrow$

# Student participation: **PERCENT**

	State sample State samp			State sample		
Group	Number of students	%		Group	Number of students	%
Girls	1766	50		Rural	898	25
Boys	1790	50		Urban	2658	75

Group	Number of students	%
SC	760	21
ST	11	0
OBC	174	5
Others	2611	74

## MAXIMUM INTERVENTION REQUIRED (% of Students score below 35%)



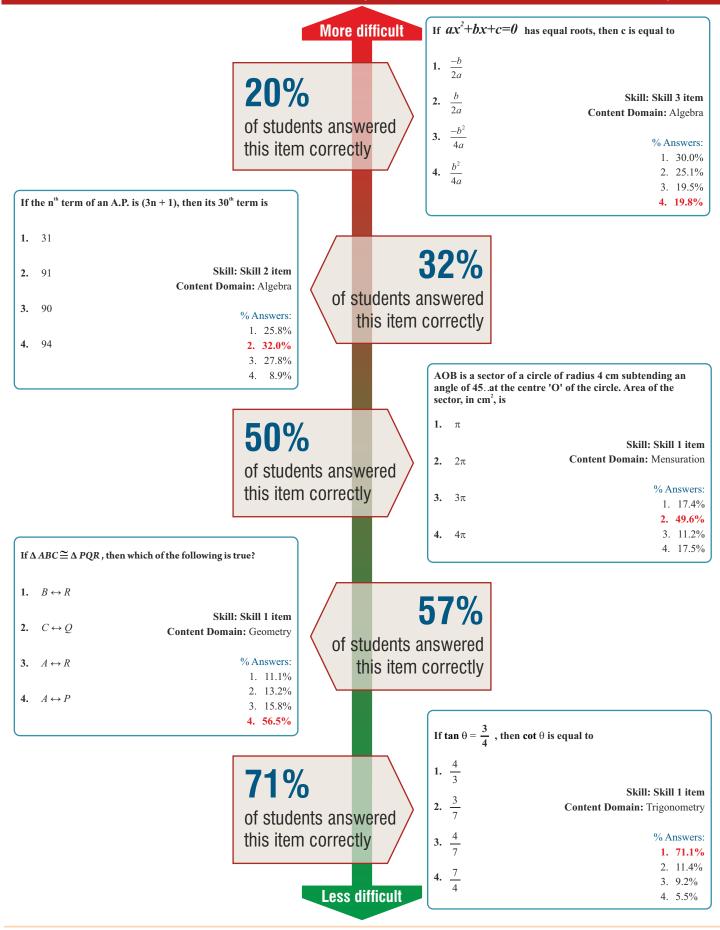
# Skill-wise performance: (ITEM % CORRECT)

Subjects	Skill 1 (% correct)	Skill 2 (% correct)	Skill 2 (% correct)
Mathematics	39	36	32
Science	43	36	37
Social Science	44	43	41
English	50	40	35
MIL	52	60	53

Skill 1	Remembering: Recognizing or recalling knowledge from memory.
Skill 2	<b>Understanding:</b> Constructing meaning from different types of functions be they written or graphic messages.
Skill 3	Applying: Carrying out or using a procedure through executing, or implementing.

Subjects	Content domain	State average (percent correct)	National average (percent correct)	Significant difference
	Mathematics (overall)	36	34	+
	Algebra	38	35	+
	Geometry	36	35	$\Leftrightarrow$
	Mensuration	37	34	+
MATHEMATICS	Trigonometry	38	37	$\Leftrightarrow$
	Coordinate geometry	32	29	•
	Number system	33	30	•
	Statistics	32	33	+
	Probability	40	35	•
	Science (overall)	38	34	1
-	Food	37	35	$\Leftrightarrow$
-	Materials	38	33	1
SCIENCE	The living world	42	38	1
SCIENCE	Moving things, people and ideas	39	35	1
	How things work	23	22	$\Leftrightarrow$
	Natural phenomena	30	27	1
	Natural resources	43	40	<b></b>
	Social science (overall)	42	39	•
	History	41	38	1
SOCIAL SCIENCE	Geography	42	39	1
	Economics	43	40	•
	Political science	43	41	•
	English (overall)	40	36	+
ENGLISH	Reading comprehension	42	37	1
	Language element	38	35	1
MODERN INDIAN	Modern Indian Language (overall)	56	49	1
LANGUAGE (MIL)	Reading comprehension	57	52	•

#### What students know and can do: MATHEMATICS (Performance of the students at the National level)

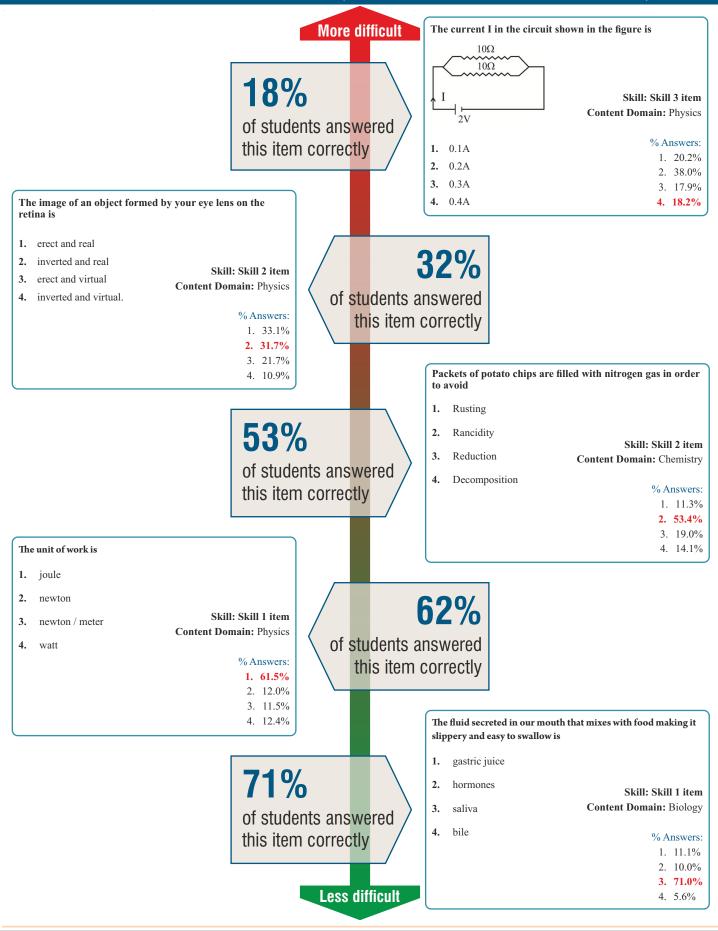


NAS items

This ladder shows the percentage of students answering selected NAS items correctly.

It provides a snapshot of what students know and can do in Mathematics.

#### What students know and can do: SCIENCE (Performance of the students at the National level)



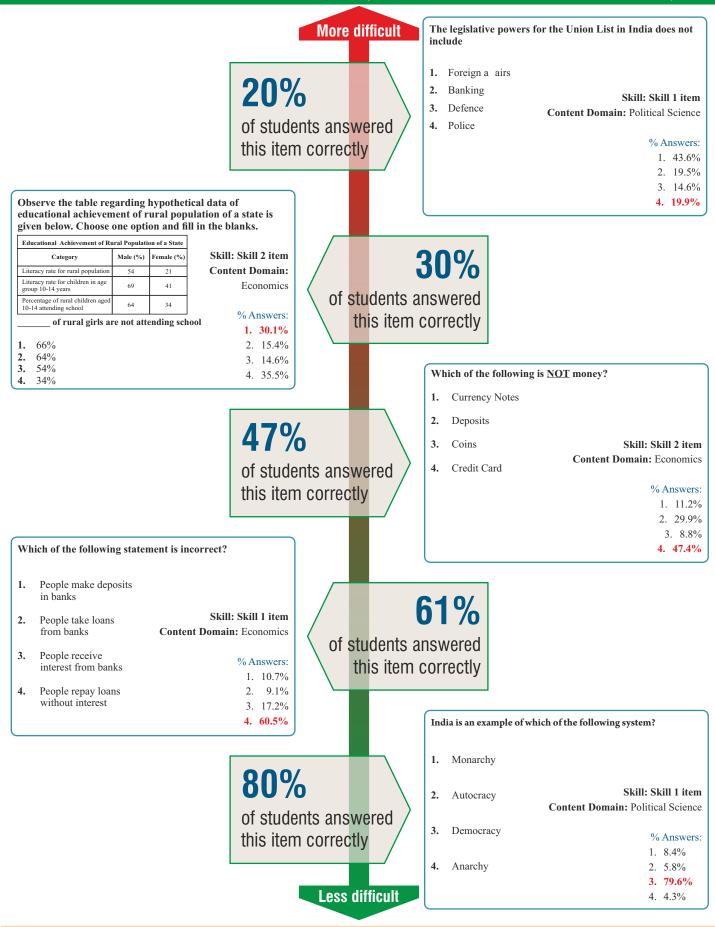
This ladder shows the percentage of students answering selected NAS items correctly.

It provides a snapshot of what students know and can do in Science.

NAS

item

#### What students know and can do: SOCIAL SCIENCE (Performance of the students at the National level)



NAS items

This ladder shows the percentage of students answering selected NAS items correctly.

It provides a snapshot of what students know and can do in Social Science

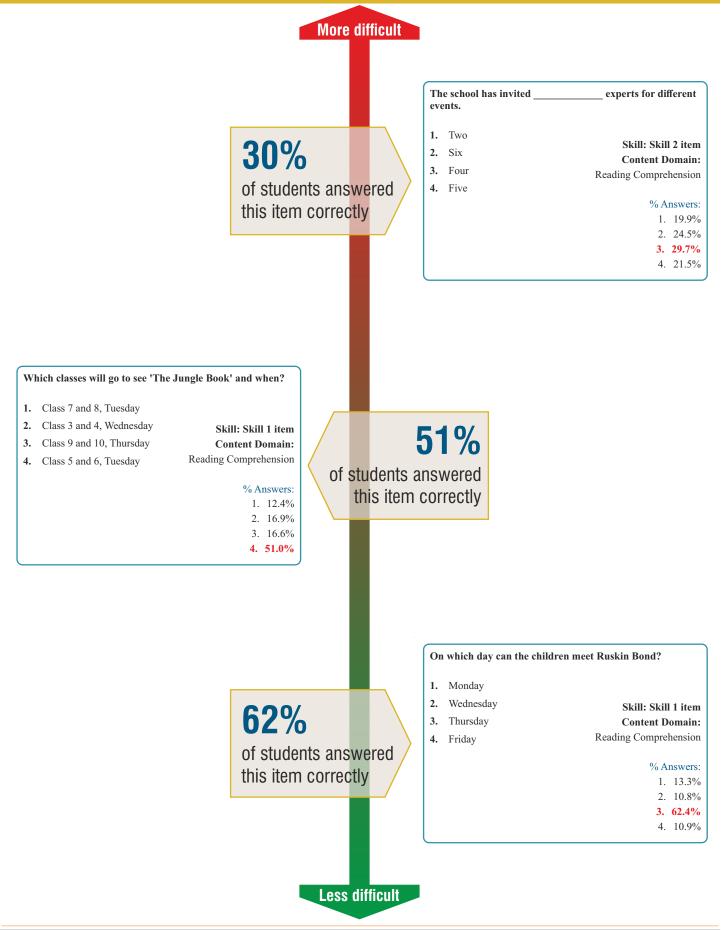
## What students know and can do: ENGLISH (Performance of the students at the National level)

#### Read the chart given below and answer the following questions.

A school decided to celebrate Book Week. The chart below shows the schedule of activities planned. Study the chart carefully and answer the questions that follow.

DAY	CLASS / ACTIVITY IN SCHOOL	VENUE	CLASS / OUTDOOR ACTIVITIES
	Class 1 - 2 : Designing bookmarks	Classrooms	Class 8 Visit to National Library
MONDAY	Class 3 - 4 : Role play	Hall -1	
	Class 5 - 6 : My favourite booktalk	Library	
THESDAY	Class 3 - 4 : Chain story telling	Auditorium	Class 5 · 6 Film : The Jungle Book
TUESDAY	Class 7 - 8 : Theatre workshop by Barry John	Hall -1	
	Class 1 - 2 : Meet the fairy tale characters	Auditorium	
	Class 3 - 4 : Show and tell	Hall -1	
WEDNESDAY	Class 5 - 6 : Poetry recitation	Hall -2	
	Class 7 - 8 : Designing a bookcover, by Santosh Rai	Art room	
THUDODAY	Class 7 - 8 : Quiz: conducted by Mandeep Kaur	Hall -2	Class 3 - 4 Visit to National Book Trust
THURSDAY	Class 9 -10 : Meet the author Ruskin Bond	Library	
FRIDAY	Class 5 - 6 : Book reading by students	Classrooms	

What students know and can do: ENGLISH (Performance of the students at the National level)



NAS items

This ladder shows the percentage of students answering selected NAS items correctly.

It provides a snapshot of what students know and can do in English.

## SELECTED SCHOOL CHARACTERISTICS

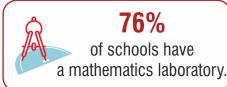


0%

10%

20%

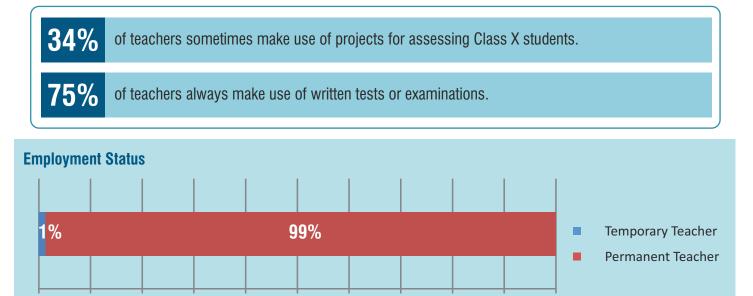
**95%** of schools have a science laboratory.





**96%** of schools have a library.

## **SELECTED TEACHER CHARACTERISTICS**



## SELECTED STUDENT CHARACTERISTICS IN YOUR STATE

40%

50%

60%

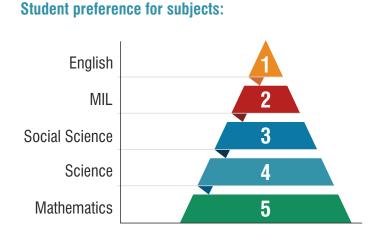
70%

80%

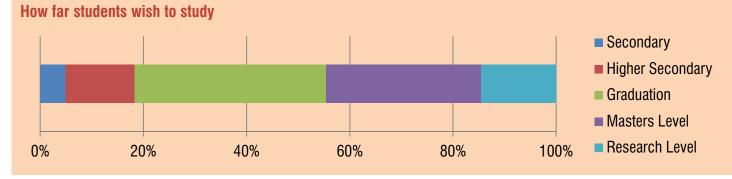
90%

100%

30%



**21%** of students travel more than 5km to school.



# **CORE TEAM**

## MHRD

- Ms. Rina Ray, IAS, Secretary School, Education and Literacy (SE&L)
- Shri. Maneesh Garg, Joint Secretary, School Education and Literacy (SE&L)
- Ms. Nigar Fatima Husain, Director (RMSA-I)
- Ms. Nazli Jafari Shayin, Director (RMSA-II)
- Dr. Letha Ram Mohan, Chief Consultant, Quality and Innovation, (TSG)
- Mr. Muktar Alam, Sr. Consultant, Quality and Innovation, (TSG)

## NCERT

- Prof. Hrushikesh Senapaty, Director, NCERT
- Dr. Indrani Bhaduri, Professor & Head
- Dr. Sridhar Srivastava, Professor
- Dr. Veer Pal Singh, Professor
- Dr. A.D. Tewari, Professor
- Dr. Pratima Kumari, Associate Professor
- Dr. Sukhvinder, Assistant Professor
- Dr. Vishal D. Pajankar, Assistant Professor
- Dr. Satya Bhushan, Assistant Professor
- Dr. Gulfam, Assistant Professor
- Shri N. L. Srinivas, Sr. System Analyst
- Shri Md. Arif Sadiq, Programmer
- Shri Vishwa Bandhu, Programmer

## **EXTERNAL**

World Bank, India

## **STATE FUNCTIONARIES**

School Boards, CBSE, ICSE, State Directorate of Education, SCERTs, SIEs, Schools



## For Any Clarification Please Contact:

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NAS for Transforming School Education