



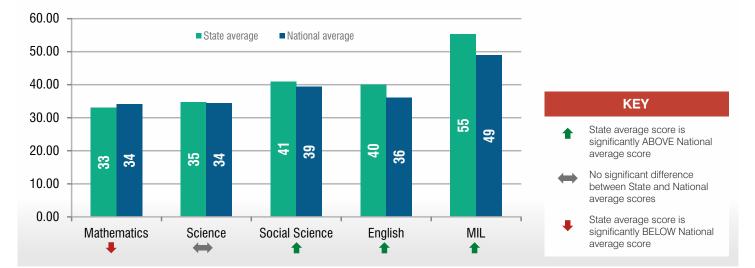


## NATIONAL ACHIEVEMENT SURVEY – CLASS X CYCLE 2 (2017-18)



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	66	27	6	1
Mathematics	National	67	20	11	2
Science	State	57	36	6	1
Science	National	62	27	10	1
Social Science	State	35	46	18	1
	National	44	38	17	1
English	State	48	29	21	2
English	National	61	21	15	3
Modern Indian Language (MIL)	State	13	23	59	5
	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: LOCATION

Subjects	Rural (% Correct)	Urban (% Correct)	Significant Difference
Mathematics	33	34	ŧ
Science	35	35	$\Leftrightarrow$
Social Science	41	41	$\Leftrightarrow$
English	39	44	ŧ
MIL	55	56	$\Leftrightarrow$

## Performance by: **GENDER**

Subjects	Girls (% Correct)	Boys (% Correct)	Significant Difference
Mathematics	34	32	1
Science	36	33	1
Social Science	42	39	1
English	42	38	1
MIL	59	51	<b>†</b>

# Performance by: **SOCIAL GROUP**

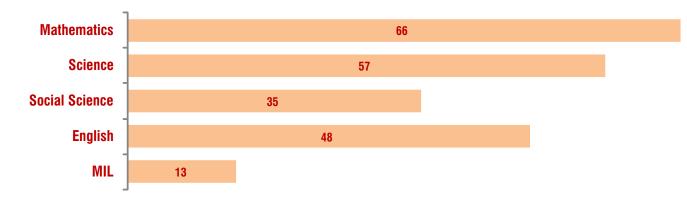
Subjects	SC (% Correct)	Others (% Correct)	Significant Difference	ST (% Correct)	Others (% Correct)	Significant Difference	OBC (% Correct)	Others (% Correct)	Significant Difference
Mathematics	31	34	ŧ	27	34	ŧ	33	34	ŧ
Science	33	36	ŧ	31	36	ŧ	35	36	ŧ
Social Science	38	42	ŧ	36	42	ŧ	41	42	ŧ
English	35	44	ŧ	29	44	ŧ	40	44	ŧ
MIL	51	58	ŧ	46	58	ŧ	55	58	ŧ

## Student participation: **PERCENT**

	State sample				State sample	
Group	Number of students	%		Group	Number of students	%
Girls	19144	50		Rural	30493	79
Boys	19314	50		Urban	7965	21

Group	Number of students	%
SC	3891	10
ST	1218	3
OBC	23425	61
Others	9924	26

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



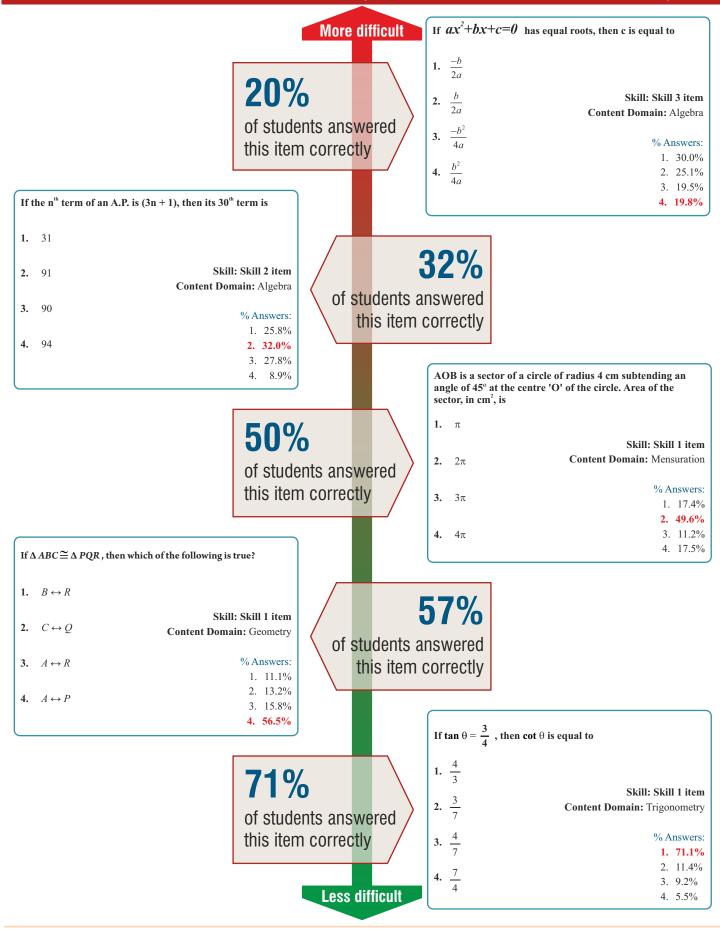
## Skill-wise performance: (ITEM % CORRECT)

Subjects	Skill 1 (% correct)	Skill 2 (% correct)	Skill 3 (% correct)
Mathematics	34	33	30
Science	38	33	34
Social Science	42	43	37
English	52	39	42
MIL	75	54	72

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)	Significan difference
	Mathematics (overall)	33	34	ŧ
	Algebra	36	35	+
	Geometry	37	35	+
	Mensuration	30	34	ŧ
MATHEMATICS	Trigonometry	26	37	ŧ
	Coordinate geometry	26	29	+
	Number system	22	30	ŧ
	Statistics	35	33	+
	Probability	26	35	ŧ
	Science (overall)	35	34	$\Leftrightarrow$
	Food	33	35	ŧ
	Materials	34	33	+
SOLENCE	The living world	39	38	$\Leftrightarrow$
SCIENCE	Moving things, people and ideas	33	35	ŧ
-	How things work	23	22	1
-	Natural phenomena	28	27	1
	Natural resources	39	40	$\Leftrightarrow$
	Social science (overall)	41	39	ŧ
	History	39	38	ŧ
OCIAL SCIENCE	Geography	41	39	+
	Economics	43	40	1
	Political science	41	41	ŧ
	English (overall)	40	36	+
ENGLISH	Reading comprehension	44	37	1
	Language element	36	35	1
MODERN INDIAN	Modern Indian Language (overall)	55	49	•
ANGUAGE (MIL)	Reading comprehension	64	52	•

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

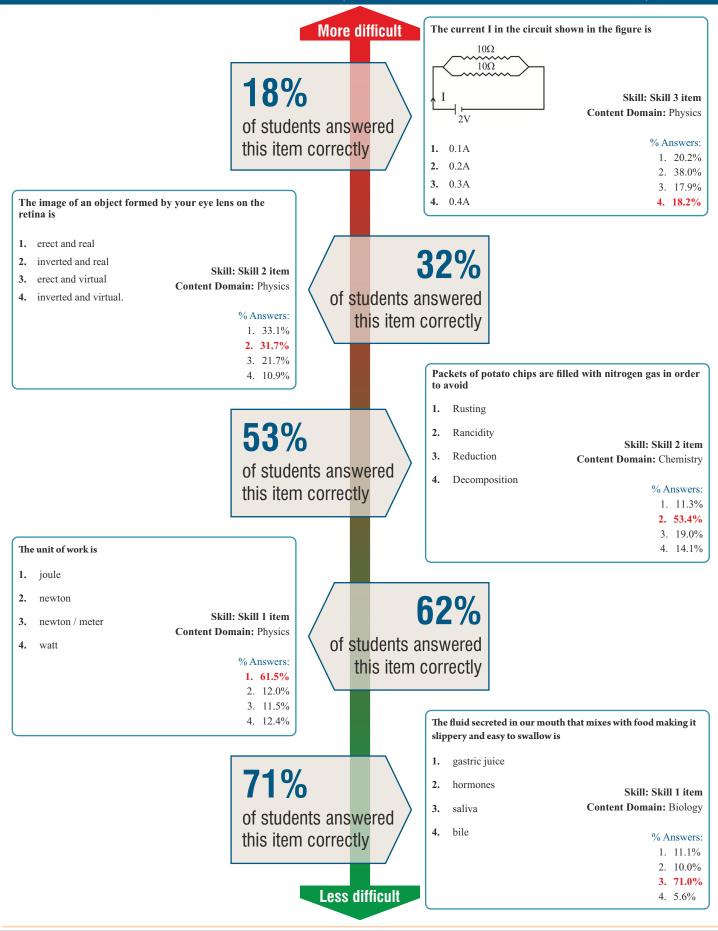


NAS items

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)



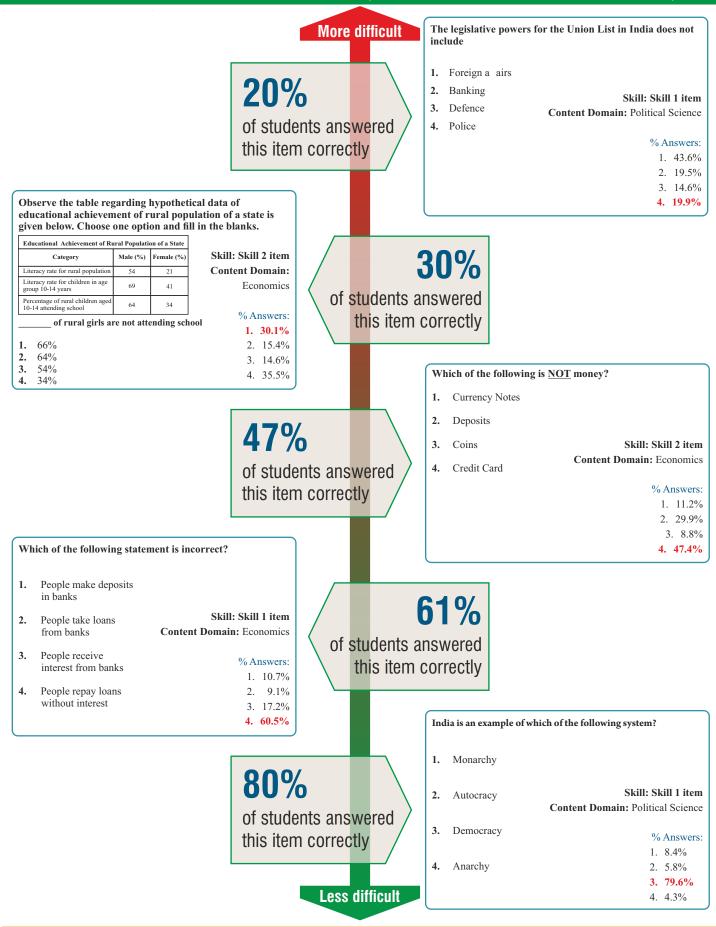
This ladder shows the percentage of students answering selected NAS items correctly.

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.

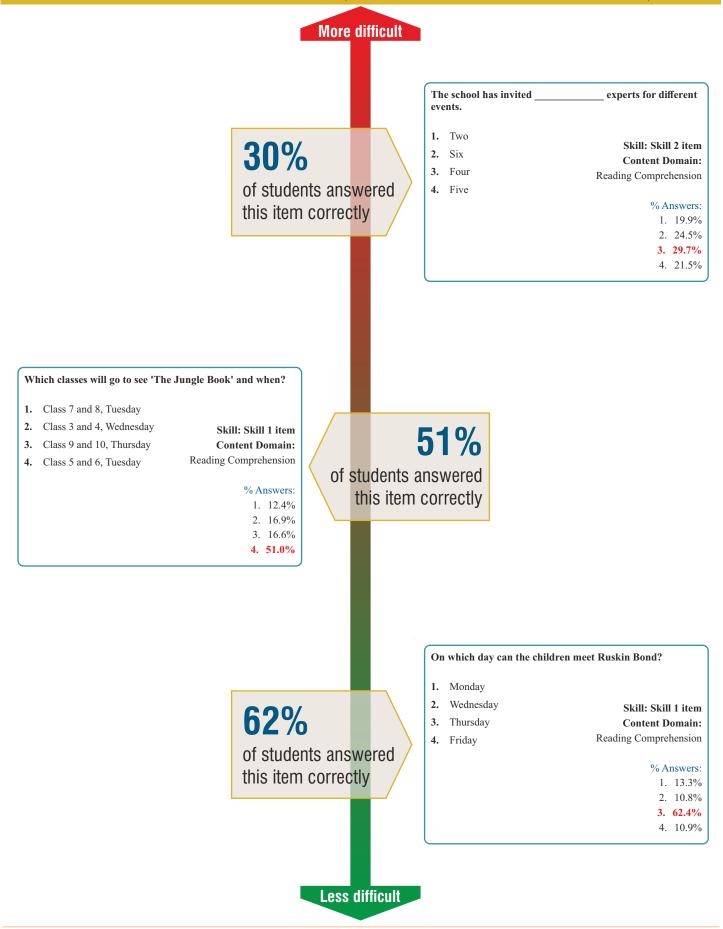
## What students know and can do: ENGLISH (Performance of the students at the National level)

#### 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	
TUESDAY	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

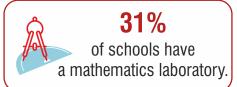
This ladder shows the percentage of students answering selected NAS items correctly.

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

## SELECTED SCHOOL CHARACTERISTICS



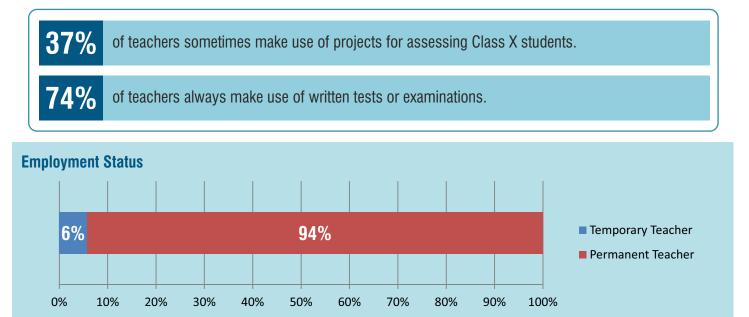
**96%** of schools have a science laboratory.



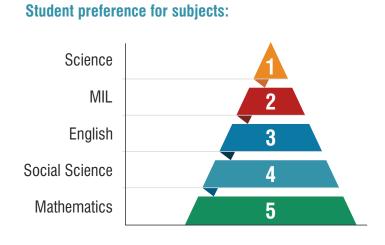


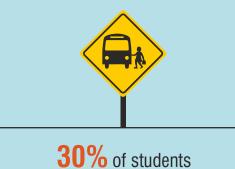
97% of schools have a library.

## SELECTED TEACHER CHARACTERISTICS

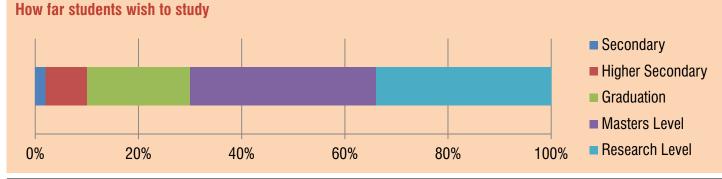


## SELECTED STUDENT CHARACTERISTICS IN YOUR STATE





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