



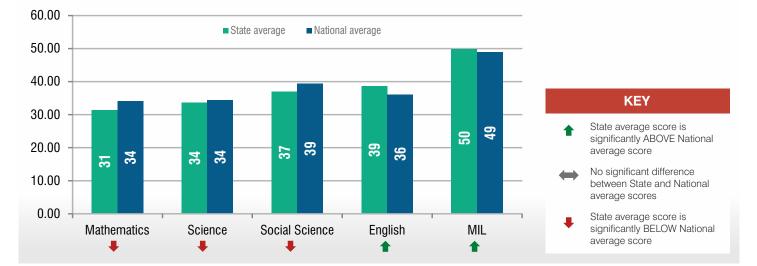


NATIONAL ACHIEVEMENT SURVEY – CLASS X CYCLE 2 (2017-18)



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	75	19	5	1
Mathematics	National	67	20	11	2
Science	State	64	29	6	1
	National	62	27	10	1
Social Science	State	51	37	11	1
	National	44	38	17	1
English	State	53	26	19	2
English	National	61	21	15	3
Modern Indian Language (MIL)	State	24	29	39	8
	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	30	32	÷
Science	33	34	\Leftrightarrow
Social Science	37	37	$ \Longleftrightarrow $
English	35	41	÷
MIL	44	47	÷

Performance by: **GENDER**

Subjects	Girls (% Correct)	Boys (% Correct)	Significant Difference
Mathematics	32	31	\Leftrightarrow
Science	34	33	\Leftrightarrow
Social Science	38	36	1
English	40	37	†
MIL	48	43	1

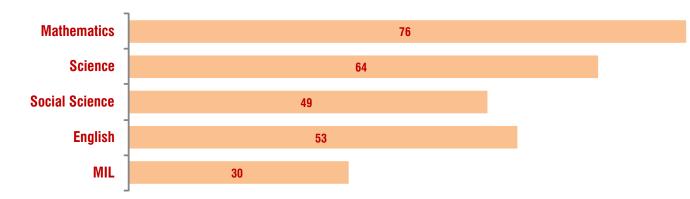
Performance by: SOCIA	L GROUP	-							
Subjects	SC (% Correct)	Others (% Correct)	Significant Difference	ST (% Correct)	Others (% Correct)	Significant Difference	OBC (% Correct)	Others (% Correct)	Significant Difference
Mathematics	28	38	ŧ	30	38	ŧ	32	38	ŧ
Science	31	36	+	29	36		34	36	\Leftrightarrow
Social Science	35	38	ŧ	40	38	ŧ	37	38	\Leftrightarrow
English	32	47	ŧ	-	47		40	47	ŧ
MIL	42	50	ŧ	25	50	ŧ	46	50	\Leftrightarrow

Student participation: **PERCENT**

	State sample				State sample	
Group	Number of students	%		Group	Number of students	%
Girls	2591	52		Rural	1975	39
Boys	2413	48		Urban	3029	61

Group	Number of students	%
SC	991	20
ST	5	0
OBC	3596	72
Others	412	8

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



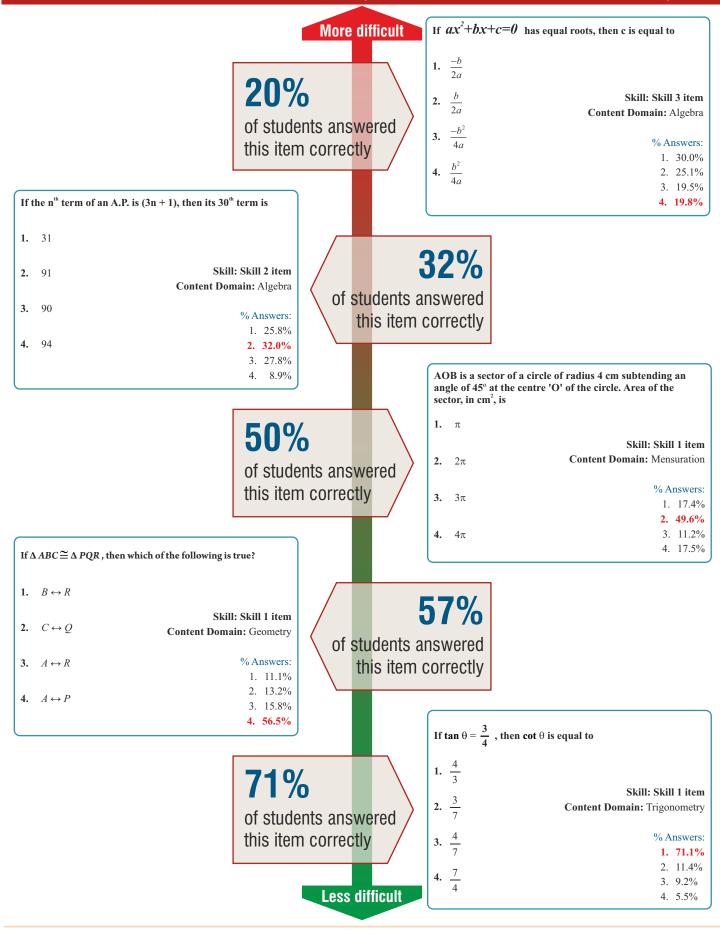
Skill-wise performance: (ITEM % CORRECT)

Subjects	Skill 1 (% correct)	Skill 2 (% correct)	Skill 3 (% correct)
Mathematics	32	31	31
Science	37	32	34
Social Science	39	37	36
English	49	38	36
MIL	51	40	46

Skill 1	Remembering: Recognizing or recalling knowledge from memory.
Skill 2	Understanding: 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)	31	34	+
	Algebra	32	35	+
	Geometry	32	35	+
	Mensuration	32	34	+
MATHEMATICS	Trigonometry	32	37	+
	Coordinate geometry	32	29	•
	Number system	24	30	+
	Statistics	30	33	ŧ
	Probability	36	35	\Leftrightarrow
	Science (overall)	34	34	ŧ
	Food	38	35	Ŧ
	Materials	33	33	\Leftrightarrow
	The living world	36	38	Ŧ
SCIENCE	Moving things, people and ideas	35	35	\Leftrightarrow
-	How things work	31	22	\Leftrightarrow
-	Natural phenomena	25	27	ŧ
	Natural resources	41	40	\Leftrightarrow
	Social science (overall)	37	39	ŧ
	History	34	38	Ŧ
OCIAL SCIENCE	Geography	37	39	Ŧ
	Economics	40	40	Ŧ
	Political science	37	41	+
	English (overall)	39	36	•
ENGLISH	Reading comprehension	41	37	+
	Language element	36	35	†
MODERN INDIAN	Modern Indian Language (overall)	50	49	•
ANGUAGE (MIL)	Reading comprehension	50	52	Ļ

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

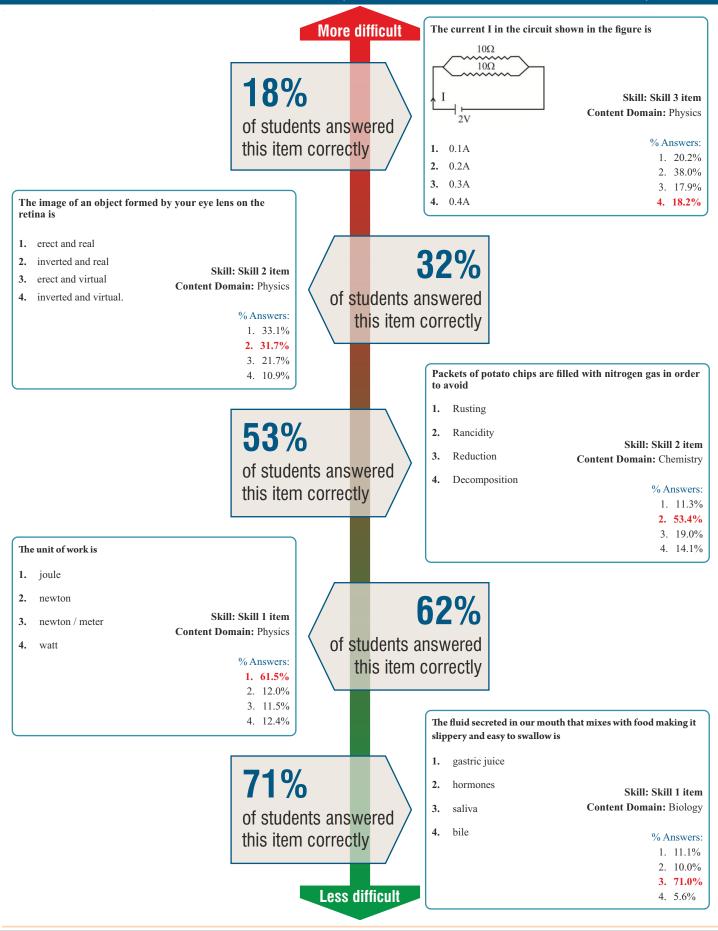


NAS items

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)



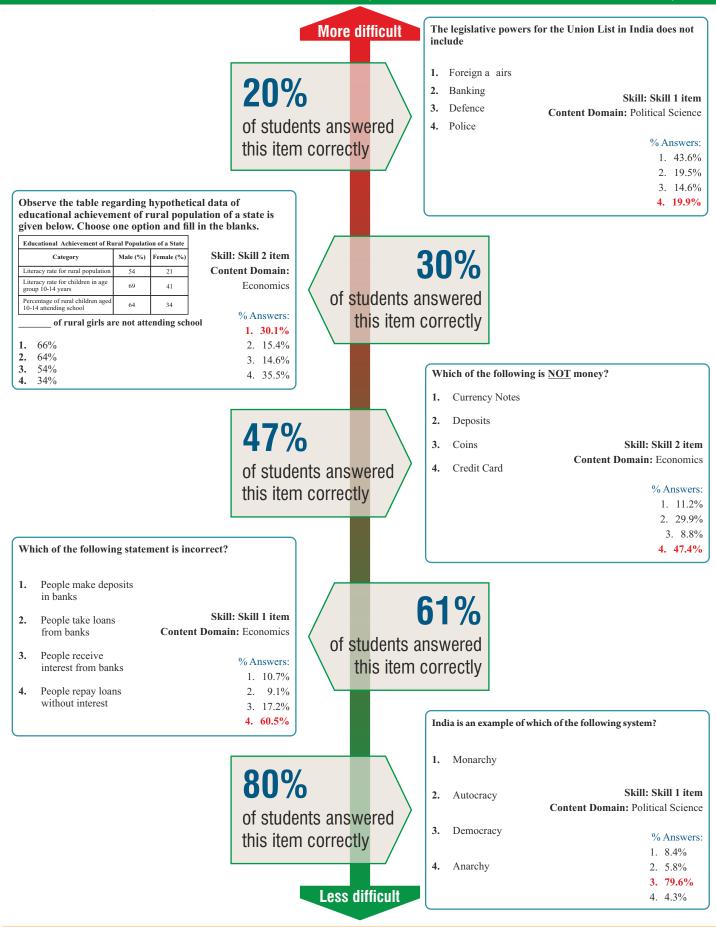
This ladder shows the percentage of students answering selected NAS items correctly.

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.

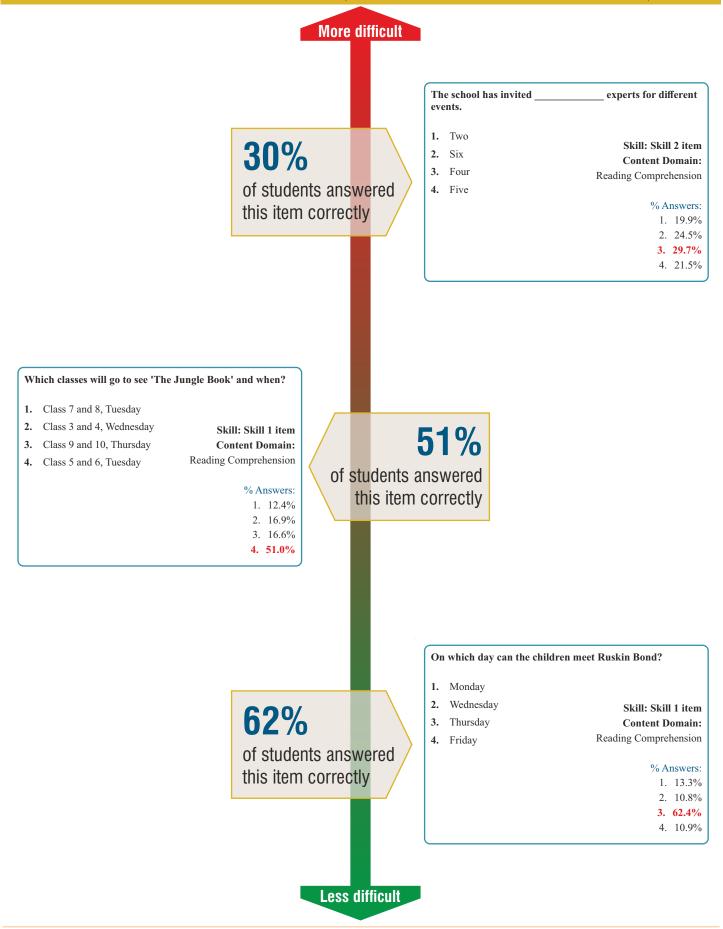
What students know and can do: ENGLISH (Performance of the students at the National level)

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

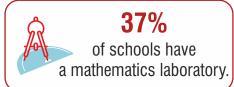
This ladder shows the percentage of students answering selected NAS items correctly.

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

SELECTED SCHOOL CHARACTERISTICS



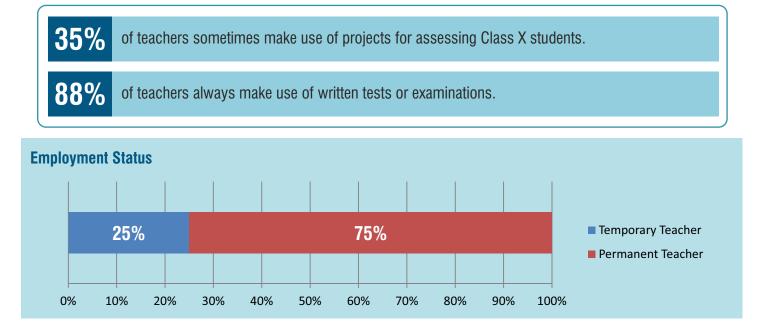
95% of schools have a science laboratory.



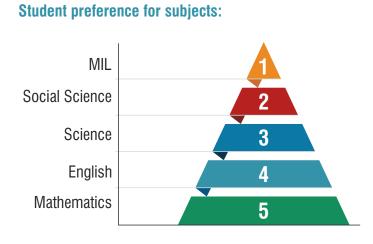


94% of schools have a library.

SELECTED TEACHER CHARACTERISTICS

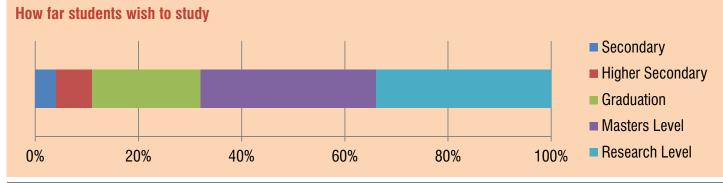


SELECTED STUDENT CHARACTERISTICS IN YOUR STATE





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