



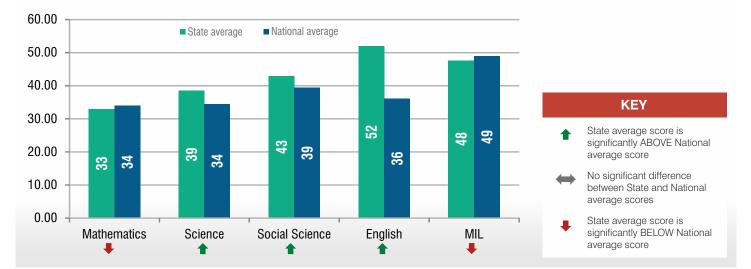


NATIONAL ACHIEVEMENT SURVEY – CLASS X CYCLE 2 (2017-18)



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	70	23	6	1
Mathematics	National	67	20	11	2
Science	State	45	40	14	1
	National	62	27	10	1
Social Science	State	30	45	24	1
	National	44	38	17	1
English	State	20	29	41	10
English	National	61	21	15	3
Modern Indian Language (MIL)	State	23	36	38	3
	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	32	35	ŧ
Science	37	41	ŧ
Social Science	42	44	ŧ
English	51	55	ŧ
MIL	47	49	\Leftrightarrow

Performance by: **GENDER**

Subjects	Girls (% Correct)	Boys (% Correct)	Significant Difference
Mathematics	33	33	\Leftrightarrow
Science	40	37	1
Social Science	44	42	1
English	54	50	1
MIL	50	45	t

Performance by: **SOCIAL GROUP**

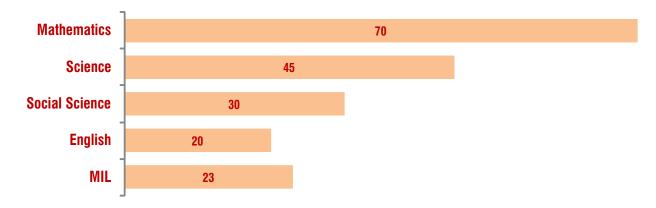
Subjects	SC (% Correct)	Others (% Correct)	Significant Difference	ST (% Correct)	Others (% Correct)	Significant Difference	OBC (% Correct)	Others (% Correct)	Significant Difference
Mathematics	31	34	ŧ	30	34	ŧ	34	34	\Leftrightarrow
Science	35	39	ŧ	36	39	ŧ	39	39	\Leftrightarrow
Social Science	41	44	ŧ	40	44	ŧ	42	44	ŧ
English	45	53	ŧ	47	53	ŧ	52	53	\Leftrightarrow
MIL	49	48	\Leftrightarrow	45	48	ŧ	48	48	\Leftrightarrow

Student participation: **PERCENT**

	State sample				State sample	
Group	Number of students	%		Group	Number of students	%
Girls	5247	51		Rural	7285	71
Boys	5082	49		Urban	3044	29

Group	Number of students	%
SC	238	2
ST	1592	15
OBC	2066	20
Others	6433	63

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



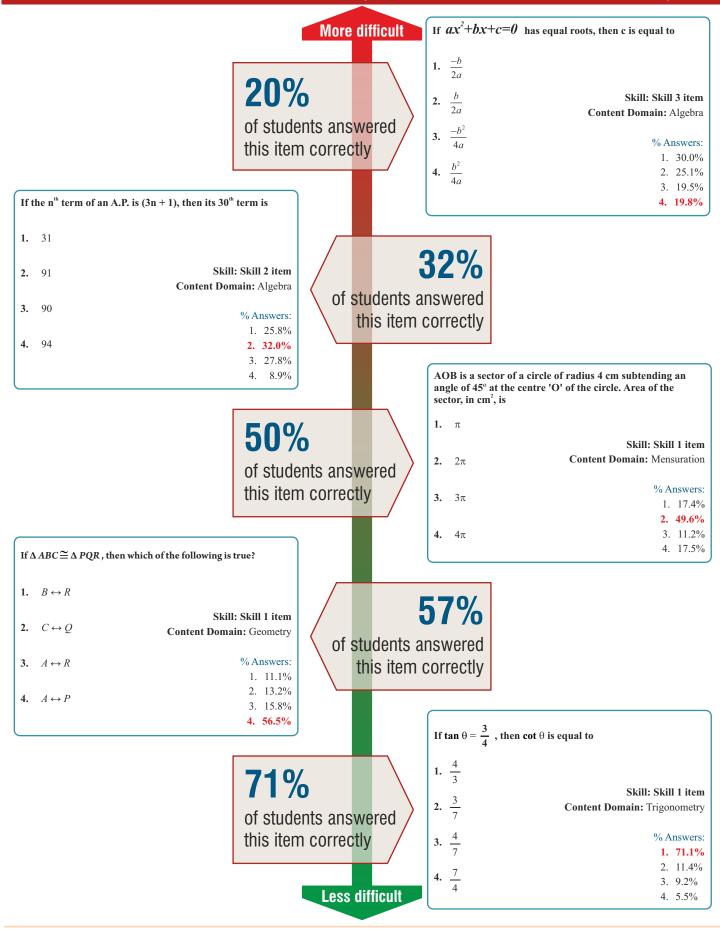
Skill-wise performance: (ITEM % CORRECT)

Subjects	Skill 1 (% correct)	Skill 2 (% correct)	Skill 3 (% correct)
Mathematics	35	32	31
Science	44	37	36
Social Science	45	43	40
English	65	46	50
MIL	53	60	57

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)	33	34	ŧ
	Algebra	35	35	\leftrightarrow
	Geometry	35	35	\leftrightarrow
	Mensuration	33	34	+
MATHEMATICS	Trigonometry	31	37	+
	Coordinate geometry	27	29	+
	Number system	26	30	+
	Statistics	27	33	Ŧ
	Probability	41	35	•
	Science (overall)	39	34	+
	Food	35	35	\Leftrightarrow
	Materials	39	33	+
SCIENCE	The living world	44	38	+
SCIENCE	Moving things, people and ideas	36	35	+
	How things work	23	22	+
-	Natural phenomena	29	27	+
-	Natural resources	50	40	
	Social science (overall)	43	39	+
	History	40	38	+
OCIAL SCIENCE	Geography	43	39	+
	Economics	44	40	+
	Political science	43	41	+
	English (overall)	52	36	+
ENGLISH	Reading comprehension	54	37	+
	Language element	50	35	+
ODERN INDIAN	Modern Indian Language (overall)	48	49	ŧ
ANGUAGE (MIL)	Reading comprehension	54	52	+

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

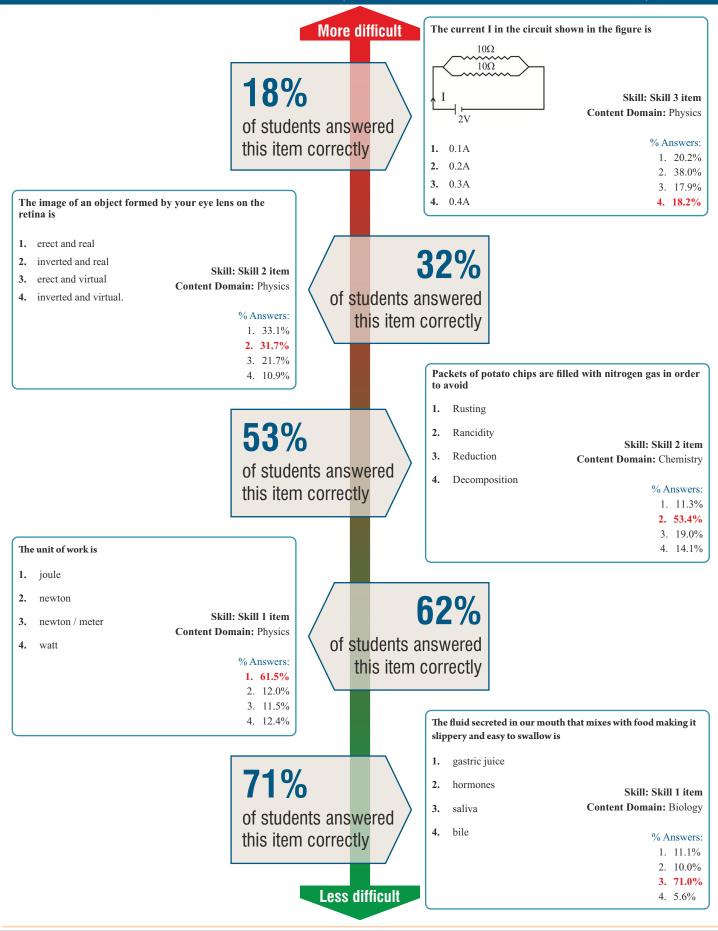


NAS items

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)



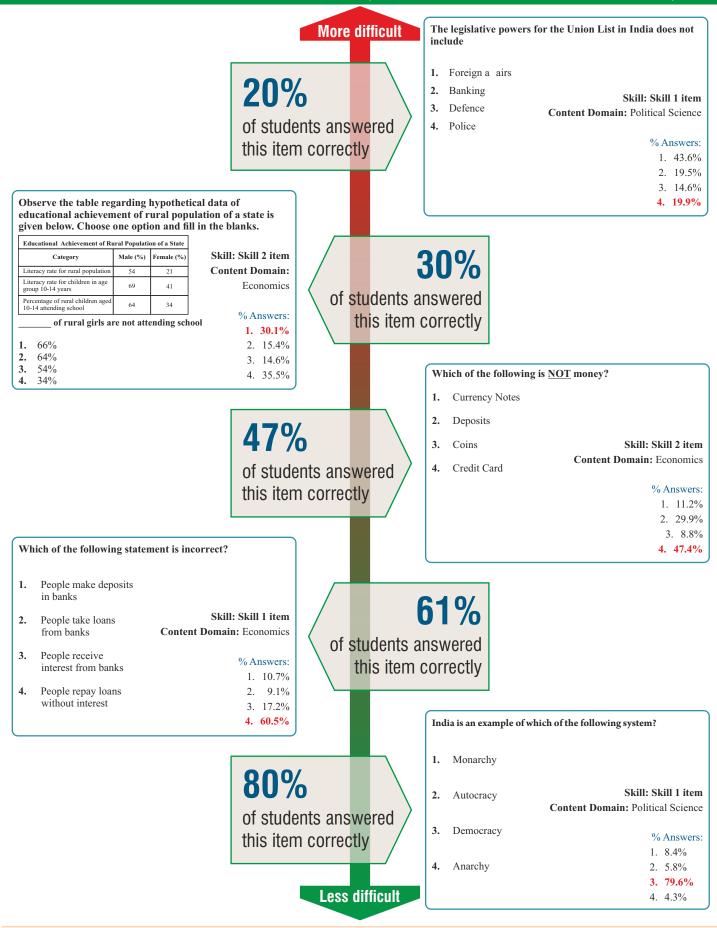
This ladder shows the percentage of students answering selected NAS items correctly.

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.

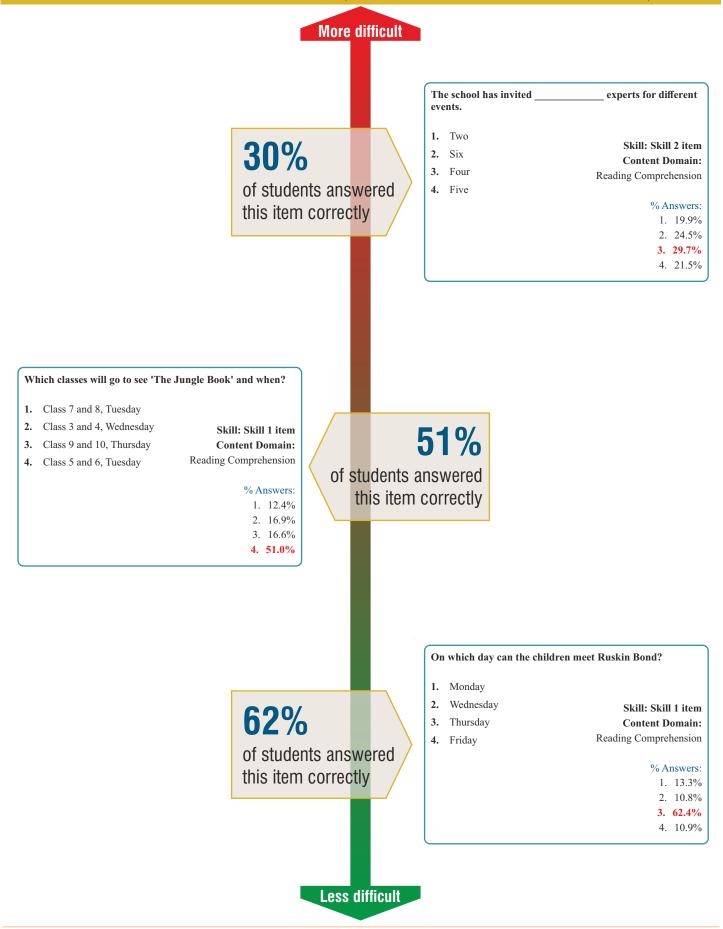
What students know and can do: ENGLISH (Performance of the students at the National level)

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

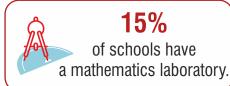
This ladder shows the percentage of students answering selected NAS items correctly.

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

SELECTED SCHOOL CHARACTERISTICS



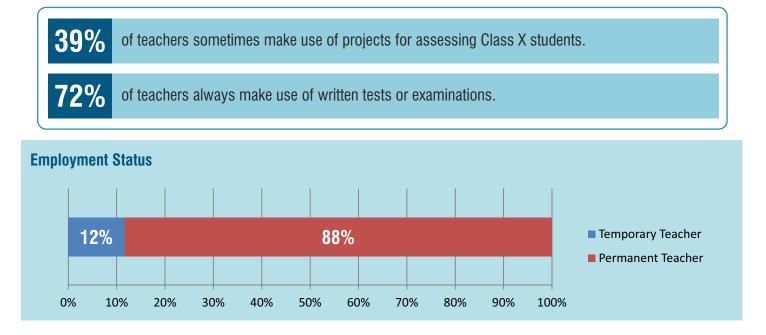
97% of schools have a science laboratory.



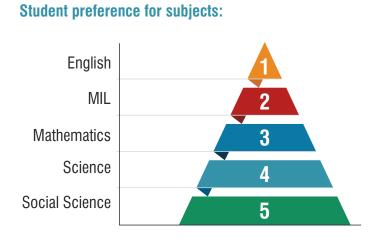


94% of schools have a library.

SELECTED TEACHER CHARACTERISTICS

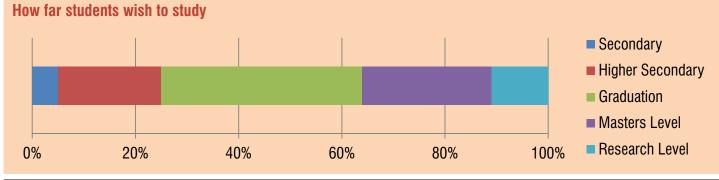


SELECTED STUDENT CHARACTERISTICS IN YOUR STATE



23% 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