



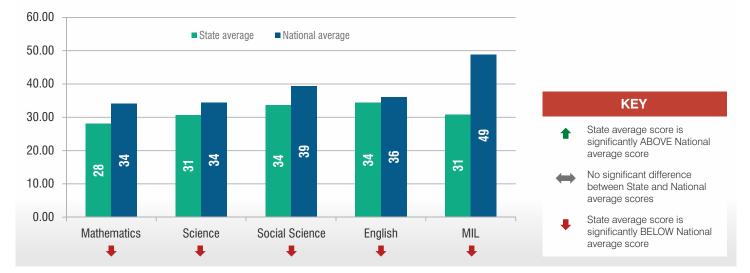


NATIONAL ACHIEVEMENT SURVEY – CLASS X CYCLE 2 (2017-18)



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: Average Percent Correct



Distribution of students by range (percent correct)

SUBJECTS		0 – 35 (%)	36 – 50 (%)	51 – 75 (%)	76 – 100 (%)
Mathematics	State	81	15	3	1
Mathematics	National	67	20	11	2
Science	State	72	20	7	1
	National	62	27	10	1
Social Science	State	63	26	10	1
	National	44	38	17	1
English	State	64	20	14	2
English	National	61	21	15	3
Modern Indian Language (MIL)	State	73	20	6	1
	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: LOCAT	ION		
Subjects	Rural (% Correct)	Urban (% Correct)	Significant Difference
Mathematics	27	30	+
Science	30	34	+
Social Science	33	38	+
English	33	41	+
MIL	30	35	÷

Performance by: GENDER			
Subjects	Girls (% Correct)	Boys (% Correct)	Significant Difference
Mathematics	27	28	ŧ
Science	30	31	ŧ
Social Science	33	34	$ \Longleftrightarrow $
English	34	35	$ \Longleftrightarrow $
MIL	31	30	\Leftrightarrow

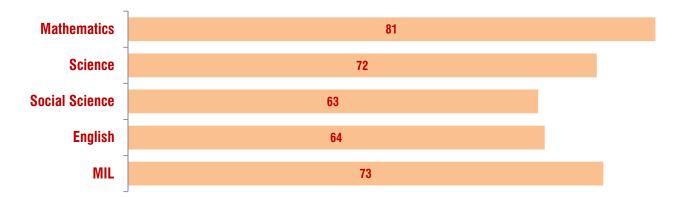
Performance by: SOCIAL GROUP									
Subjects	SC (% Correct)	Others (% Correct)	Significant Difference	ST (% Correct)	Others (% Correct)	Significant Difference	OBC (% Correct)	Others (% Correct)	Significant Difference
Mathematics	27	29	ŧ	26	29	ŧ	28	29	\Leftrightarrow
Science	28	32	ŧ	26	32	ŧ	31	32	ŧ
Social Science	30	35	ŧ	30	35	ŧ	34	35	\Leftrightarrow
English	31	37	ŧ	27	37	ŧ	35	37	Ŧ
MIL	33	31	ŧ	27	31	ŧ	30	31	ŧ

Student participation: **PERCENT**

State sample			State sample			
Group	Number of students	%	Group	Number of students	%	
Girls	22414	50	Rural	37433	84	
Boys	22344	50	Urban	7325	16	

Group	Number of students	%
SC	3996	9
ST	5990	13
OBC	5709	13
Others	29063	65

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



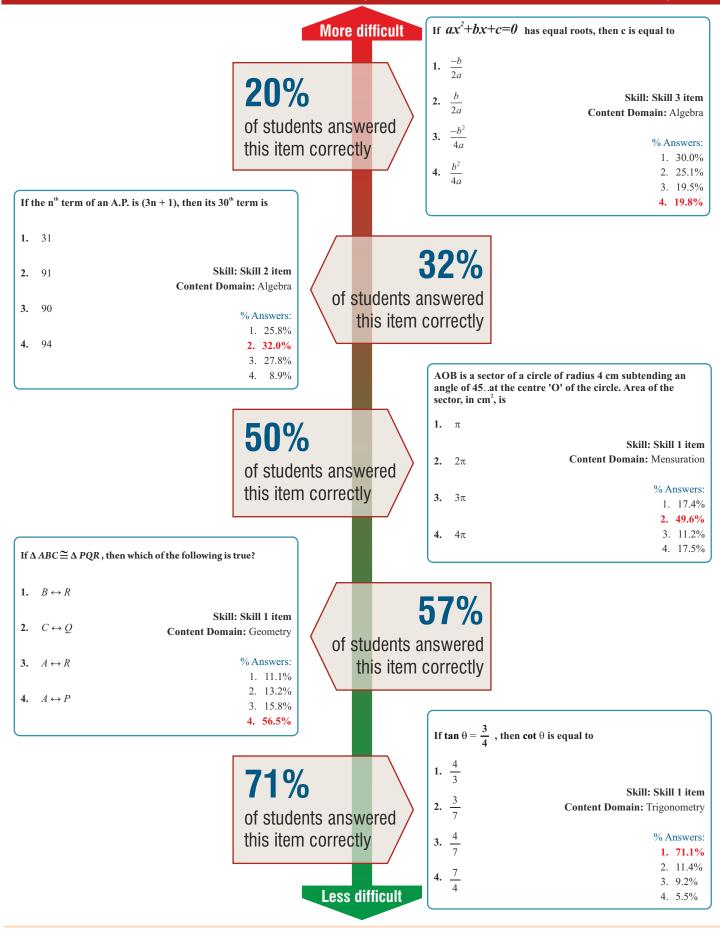
Skill-wise performance: (ITEM % CORRECT)

Subjects	Skill 1 (% correct)	Skill 2 (% correct)	Skill 3 (% correct)
Mathematics	30	28	25
Science	33	30	30
Social Science	34	35	33
English	42	34	33
MIL	35	37	39

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.

Performance of Students: CONTENT WISE							
Subjects	Content domain	State average (percent correct)	National average (percent correct)	Significant difference			
	Mathematics (overall)	28	34	ŧ			
	Algebra	29	35	+			
	Geometry	28	35	+			
	Mensuration	28	34	+			
MATHEMATICS	Trigonometry	28	37	+			
	Coordinate geometry	25	29	ŧ			
	Number system	31	30	+			
	Statistics	26	33	+			
	Probability	28	35	+			
	Science (overall)	31	34	ŧ			
	Food	31	35	+			
	Materials	30	33	+			
SCIENCE	The living world	33	38	+			
SCIENCE	Moving things, people and ideas	31	35	+			
	How things work	19	22	+			
	Natural phenomena	26	27	ŧ			
	Natural resources	36	40	+			
	Social science (overall)	34	39	ŧ			
	History	33	38	+			
SOCIAL SCIENCE	Geography	35	39	ŧ			
	Economics	33	40	+			
	Political science	33	41	+			
	English (overall)	34	36	ŧ			
ENGLISH	Reading comprehension	36	37	ŧ			
	Language element	32	35	ŧ			
MODERN INDIAN	Modern Indian Language (overall)	31	49	ŧ			
LANGUAGE (MIL)	Reading comprehension	34	52	+			

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

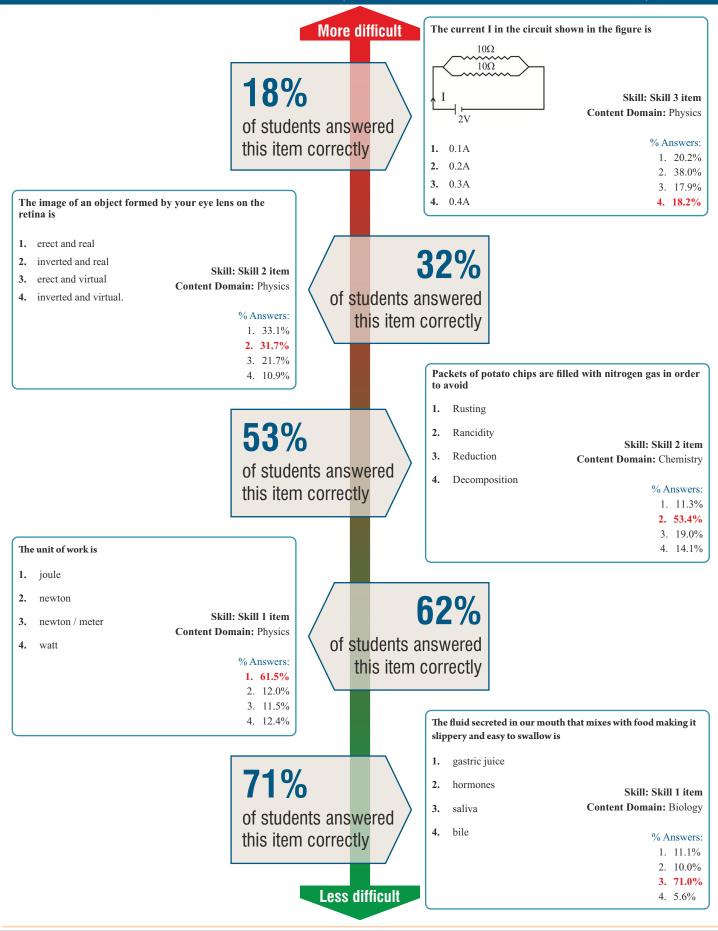


NAS items

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)



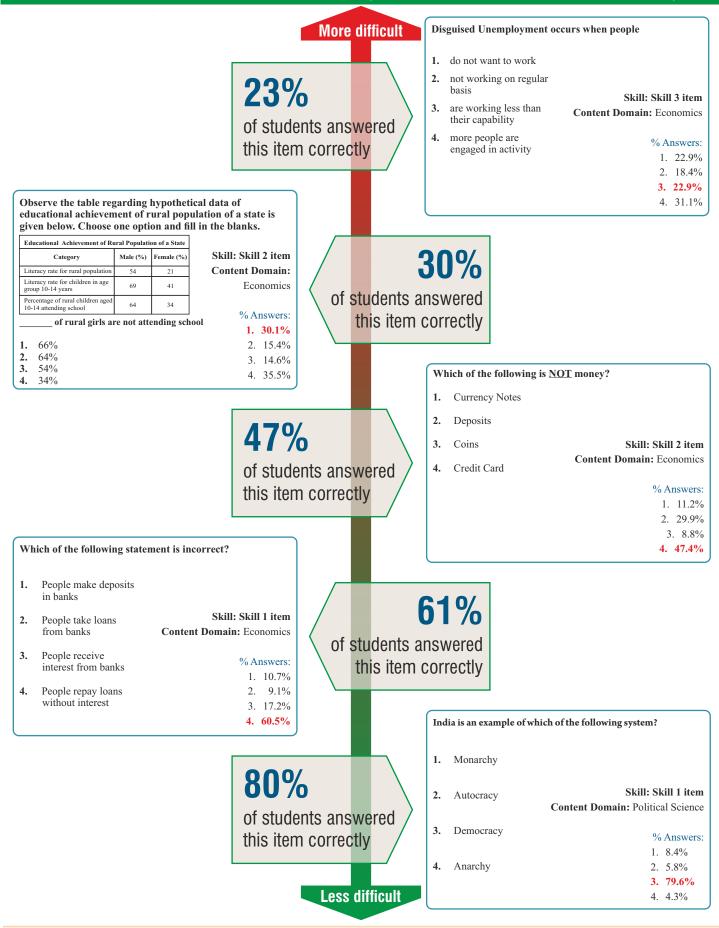
This ladder shows the percentage of students answering selected NAS items correctly.

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

NAS

items

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

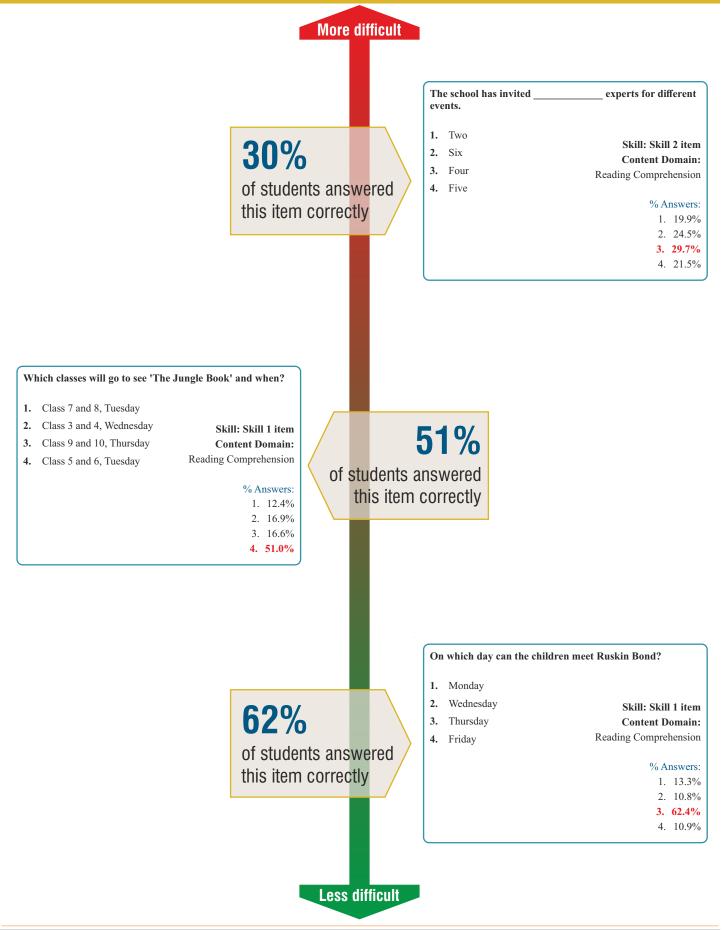
What students know and can do: ENGLISH (Performance of the students at the National level)

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

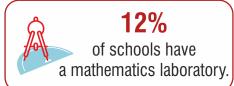
This ladder shows the percentage of students answering selected NAS items correctly.

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

SELECTED SCHOOL CHARACTERISTICS



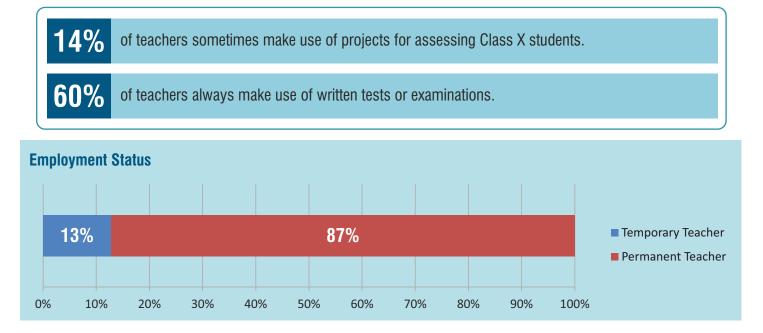
89% of schools have a science laboratory.



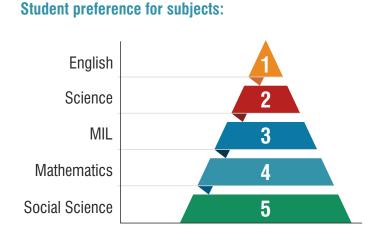


86% of schools have a library.

SELECTED TEACHER CHARACTERISTICS

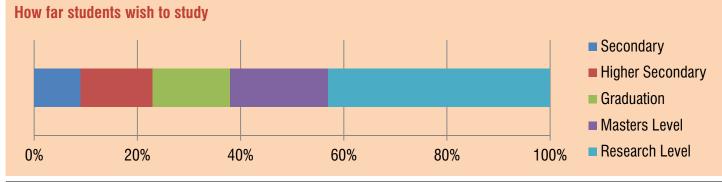


SELECTED STUDENT CHARACTERISTICS IN YOUR STATE



27% 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