

Scheme to Identify and Capture Scientific Temperament among Students through Knowledge and Awareness Mapping Platform (KAMP)

INTRODUCTION

Knowledge and Awareness Mapping Platform "KAMP" is an initiative and Knowledge Alliance of the **Council of Scientific and Industrial Research - National Institute of Science Communication and Policy Research (CSIR-NIScPR)**, a constituent Institute of the Council of Scientific & Industrial Research, Ministry of Science & Technology with Industrial Partner M/S Nysa Communications Pvt. Ltd. (NCPL), Noida. KAMP was inaugurated by **Prof. K. Vijay Raghavan (Former Principal Scientific Advisor-Govt. of India)** and **Dr Shekhar C Mande (Former Director General, CSIR)** on 3rd April 2019.

Knowledge and Awareness Mapping Platform is an International intellect E-based assessment platform to evaluate cognizance of 21st-century skills, awareness and knowledge of Science, Technology & Humanities among students.

OBJECTIVES

1. To help students identify their awareness and aptitude for Science, Technology and Humanities.
2. To create awareness among students about emerging technologies like Robotics, the Internet of Things (IoT), Artificial Intelligence (AI) etc.
3. To infuse a healthy competitive spirit through rewards, based on performance levels.
4. Track student progress through a dynamic system.
5. To create a performance index for all the participating schools/institutions.

Given the growing pace and complexity of the knowledge system in the present times, it has been realized that there is a critical need to quantitatively assess the awareness and knowledge of students on various subjects regularly and objectively. Thus, KAMP has been initiated to identify and promote gifted and talented students of class 5th to 12th and other pre-graduation students in the field of Science, Technology and Humanities across India. Based on the algorithm and design developed by CSIR-NISTADS, KAMP would support identifying the talent at the primitive stage and nurturing them in their areas of strength. The outcome of the KAMP will provide a comprehensive assessment report not only to the young students but also to schools/institutions, teachers and parents.



KAMP Operations and Coordination Office

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1. COMPONENTS & FINANCIAL PATTERN

KAMP-NASTA (2022) comprises of following components/variants:

CLASS	SECTION	NO. OF QUESTIONS	TOTAL MARKS
5th to 10th (90 minutes)	Science	15	90
	Earth & Universe	15	90
	Mathematics	15	90
	Digital Literacy	10	60
	Aptitude/Reasoning	5	30

CLASS	SECTION	NO. OF QUESTIONS	TOTAL MARKS
11th to 12th (90 minutes)	Career Advisory Test	80	80

a. NASTA-NOVA: 1 paper for all the classes

- **Paper Language:** English, Hindi or other Regional Languages
- **Eligibility:** All students of State Board Schools/institutions
- **Registration Fee:**
 - Self-Financed Schools/institutions: Rs. 300/- per student
 - Govt./Govt. Aided Schools/institutions: Rs. 200/- per student

b. NASTA-RIGEL:

Standard 5th to 10th: It is a 2 paper assessment

PAPER 1:

CLASS	SECTION	NO. OF QUESTIONS	TOTAL MARKS
5th to 8th (90 minutes)	Science	30	30
	Mathematics	30	30
	Grand Total	60	60

CLASS	SECTION	NO. OF QUESTIONS	TOTAL MARKS
9th to 10th (90 minutes)	Science	40	40
	Mathematics	40	40
	Grand Total	80	80

PAPER 2:

CLASS	SECTION	NO. OF QUESTIONS	TOTAL MARKS
5th to 10th (90 minutes)	IT/Computers	20	20
	Earth & Universe	20	20
	Aptitude/Reasoning	20	20
	Grand Total	60	60

- **Paper Language:** English, Hindi or other Regional Languages
- **Eligibility:** All students of CBSE/ICSE Board Schools/institutions
- **Registration Fee:**
 - Self-Financed Schools/institutions: Rs. 400/- per student
 - Govt./Govt. Aided Schools/institutions: Rs. 300/- per student

Standard 11th, 12th and Other Pre-graduation Students

CLASS	SECTION	NO. OF QUESTIONS	TOTAL MARKS
11th to 12th (90 minutes)	Aptitude & Reasoning Test	80	80

- **Paper Language:** English, Hindi or other Regional Languages
- **Eligibility:** All students of CBSE/ICSE Board Schools/institutions/Pre graduation students of ITI/Polytechnic and other education institutions
- **Registration Fee:**
 - Self-Financed Schools/institutions: Rs. 400/- per student
 - Govt./Govt. Aided Schools/institutions and Pre graduation students of ITI/Polytechnic and other central/state govt. education institutions: Rs. 300/- per student

c. NASTA-UNICORN

PAPER 1:

CLASS	SECTION	NO. OF QUESTIONS	TOTAL MARKS
5th to 10th (90 minutes)	Science	60	60
	Grand Total	60	60

PAPER 2:

CLASS	SECTION	NO. OF QUESTIONS	TOTAL MARKS
5th to 10th (90 minutes)	Earth & Universe	60	60
	Grand Total	60	60

PAPER 3:

CLASS	SECTION	NO. OF QUESTIONS	TOTAL MARKS
5th to 10th (90 minutes)	Mathematics	60	60
	Grand Total	60	60

PAPER 4:

CLASS	SECTION	NO. OF QUESTIONS	TOTAL MARKS
5th to 10th (90 minutes)	IT/Computers	40	40
	Aptitude/Reasoning	20	20
	Grand Total	60	60

CLASS	SECTION	NO. OF QUESTIONS	TOTAL MARKS
11th to 12th (120 minutes)	Career Advisory Test	120	120

PAPER 5:

- **Paper Language:** English, Hindi or other Regional Languages
- **Eligibility:** Other International Boards
- **Registration Fee:**
 - Self-Financed Schools/institutions: Rs. 600/- per student
 - Govt./Govt. Aided Schools/institutions: Rs. 500/- per student

2. PATTERN OF FUNDING AND OTHER CONDITIONS:

Self-Financed/Private Schools/institutions:

Participation fees for Self-Financed Schools/institutions shall be borne by students and shall be deposited by the school or student. After deducting Rs. 30/- per student (towards expenditure for examining their school premises), the school has to pay the total registration fee (online Net Banking, UPI, or Card Payments).

Government/Govt. Aided Schools/institutions:

Participation fee for Govt./Govt. aided schools/institutions and Education Institutions under MHRD/Central Govt./State Govt./Minorities Institutions etc. shall be borne and paid by respective Education Board/Department/school.

Concern Education boards/departments/institutions may create a facility to enrol students jointly or direct the Principals/Head of schools/institutions/Institutions under your jurisdiction, to upload enrolled students' data online for the above said assessment through the KAMP website <https://www.kamp.res.in>



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3. IMPLEMENTATION GUIDELINES

The enrolment for KAMP – National Assessment of Scientific Temperament and Aptitude (NASTA)-2022 will be open to all the students of classes Vth - XIIth studying in schools affiliated to CBSE/ICSE board in the country. The implementation of KAMP will be held in schools in the following manner:

● SCHOOL ENROLLMENT

All schools should enrol online through the KAMP website www.kamp.res.in. Login credentials will be sent to the school on a registered E-Mail ID. School Kit (Information Brochure, Student Registration Forms, Detailed Guidelines and other Communication Materials) are available on the KAMP website www.kamp.res.in.

● KAMP – NODAL OFFICER

The Head of School is requested to assign a KAMP-NODAL OFFICER (School Principal is Preferable) and submit his/her details on KAMP Portal while School Enrolment. KAMP Nodal Officer shall be responsible to give wide publicity to this initiative among students, teachers and parents to activate the scientific instinct in students to find solutions to the day-to-day problems. They are requested to persuade every class teacher to motivate students to participate in large numbers.

● STUDENT REGISTRATION

The details of participating students will be uploaded by School/Nodal Officer on KAMP Portal through the respective school's Login. Required training for the same shall be provided to schools through the KAMP support centre. An individual student can also register directly through the KAMP portal (for registered schools only).

● REGISTRATION FEE

Each participating student has to pay a total of Rs. 400/- (CBSE schools) and Rs. 300/- (KV and JNV schools) "Registration Fee" to his/her school. After deducting Rs. 30/- per student (towards expenditure for examining their school premises), the school has to pay the total registration fee (i.e. Rs. 370/- * for several participating students) online (UPI, Net Banking or Card Payments).

● ASSESSMENT/IMPLEMENTATION DETAILS

Preparation tips for students, Syllabus for NASTA, Sample Questions, Exam Conduction Guidelines, and Assessment Pattern details can be accessed through www.kamp.res.in. Examination material will be delivered directly to the school closer to the date of examination in case of offline mode. A mock assessment facility will be provided under student login.

● ASSESSMENT REPORT

Assessment Report will be available online under schools/institutions login. All participants will receive a comprehensive assessment report with an advisory under their respective student's login.

● AWARDS, VISITS & CERTIFICATES

All participants will receive a "Certificate of Excellence/Participation" depending on their performance. "Certificate of Appreciation" for KAMP-Nodal Officer, School & Principal will be awarded based on the student's performance. Special awards, National & International Visits for State & National Level achievers. Information related to awards and certificates is available on the KAMP website*.

● KAMP – JUNIOR SCIENTIST CLUB (K-JSC)

Each participant will become a member of K-JSC. KJSC will be a district-level self-sustainable club. Fortnightly sessions/workshops on Thursdays at 4:00 PM will be organized by KAMP under JSC in the following categories: Science, Technology and Innovations, Scientific and Life Skills, Career & Professional Development, Academic Development, and Train the Trainers/Teachers. All the registered students under KAMP NASTA 2022 can participate in these annual sessions at no cost. The joining link will be available under the student login

For any further information or implementation, write us at info@kamp.res.in, support@kamp.res.in



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