

# 31<sup>st</sup> CHILDREN SCIENCE CONGRESS (CSC) 2023 - GUIDELINES

## REGISTRATION:

Schools have to register in the H.P. Children Science Congress-23 on Web Portal: ([www.himcoste.hp.gov.in](http://www.himcoste.hp.gov.in) and <https://agisac.gov.in/tribalgis> from 10<sup>th</sup> July Onwards.

## GUIDELINES for Registration:

- a) For New Schools or those who Register for the first time – Click Registration tab and fill the following details: District, Sub Division, Category of School (Rural/Urban) Type of School (Sr. Sec., High or Middle) Name and Address of School, Pin Code, Name of Head of School (Principal/Headmaster), Mobile Number, E Mail, UDISE Code  
Generate Password and Confirm it.
- b) For already registered Schools LOGIN with your user id and PASSWORD or follow the instructions as per portal in case of any problem. Schools may contact their concerned DISTRICT SCIENCE SUPERVISORS for issue related to forgotten User id and Password.
- c) After Login fill the students Data – Choose Activity from Drop Down, then Class, Name, Gender, Mobile, Category (Jr. Sr. or Sr. Sec.) Father's name, AADHAR Number, E Mail, Area (Rural/Urban), D.O.B., and IMAGE of Student (< 40kb) Use Add more tab to register subsequent students.
- d) Then register Guide teachers with details: Name, Gender, Mobile, Designation, D.O.B., E Mail etc.
- e) In this connection kindly note that: Mobile Number that you register for students/Guide Teachers is likely to be used for information and participation and should therefore remain active till completion of the programmes. It should also have Whatsapp Application/Compatible smart phone features.
- f) For more information, you may see the U Tube Video link: <https://youtu.be/0LRBoJ5vAyM> (Created by HIMCOSTE)
- g) In this Context it is to be Noted that Registration of Students in all the Events is to be made at the Portal before its Deadline, even if the last 2 District level events are not organized in the Sub Division CSC.
- h) During Registration Official E Mail of the School is to be entered instead of individual E Mail ids.
- i) Participants are not allowed to compete in more than one event.

## ➤ SCHEDULE WINDOW:

- Sub Division... ..... 1<sup>st</sup> Sept. to 15<sup>th</sup> Oct. 2023
- District..... 16<sup>th</sup> Oct. to 10<sup>th</sup> Nov. 2023
- State ... ..... After 15<sup>th</sup> Nov.'23

List of  
Activities

1. Science Quiz
2. Science Activity Corners
3. Mathematical Olympiad
4. Innovative Science Model
5. SCIENTIFIC PROJECT REPORT
6. Science Skit

➤ **ACTIVITY GUIDELINES:**  
➤ **A) SUB-DIVISION LEVEL CSC**

**1. Science Quiz Competition:** A team of two students participate in Quiz competition.

| Categories:    | Class                                |
|----------------|--------------------------------------|
| Sen. Secondary | : 10+1 & 10+2                        |
| Senior         | : 9 <sup>th</sup> & 10 <sup>th</sup> |
| Junior         | : 6 <sup>th</sup> to 8 <sup>th</sup> |

Senior and Junior Categories are further sub divided into **Rural and Urban Sub Categories**, but there is no Rural and Urban Sub Categorization in the Sr. Sec. Category. Therefore, to sum up these are:  
Jr. Rural, Jr. Urban, Sr. Rural, Sr. Urban and Senior Secondary TOTAL – 5 CATEGORIES.

**Necessary guidelines for Science Quiz:**

Trained Resource Person/s will organize the Quiz and Evaluate students in the Subjects: Physics, Chemistry, Biology and General Science as per the following rounds:

Questions having Short Answers that may pass to the successive teams as part of gaining Bonus Marks, MCQ's based Round, Visual Questions Round, Life Line based Questions, Rapid fire Round etc..

Result in this Competition is declared on the basis of highest Marks obtained by the Students after completion of all the rounds.

Number of Rounds administered in Quiz is dependent upon Quiz Master/s keeping in view the number of participating teams and availability of time/resources. This also involves Grouping teams and conducting Qualifying Rounds followed by step by step advancement into the next level/s.

Note:

1. Quiz masters are instructed to keep more than 60% of the Questions from text Books in their Question bank. The Questions are from the current syllabus as per participating Classes/Categories.
2. In the General Science round Questions are from various topics: Discoveries and Inventions in Science, History related to Scientists and Scientific events, Abbreviations, Science Branches and Days of Importance, Computer, I.T, Environment Science, Current Affairs in Science etc.

**Selection:**

Teams standing **FIRST** in their respective categories in Sub Division level will qualify for District level CSC and similarly from District level to State level CSC.

**2. Science Activity Corners:** In this Event one student participate in one Category

In the Science Activity Corners simple lab activities/experiments related to the Subjects: Physics, Chemistry, Biology and Mathematics will be organized as per current syllabus of participating Classes/Categories.

**There, is no Urban/Rural Categorization in this event.**

| Categories:     | Class                              |
|-----------------|------------------------------------|
| Sen. Secondary: | 10+1 & 10+2                        |
| Senior :        | 9 <sup>th</sup> & 10 <sup>th</sup> |
| Junior :        | 6 <sup>th</sup> to 8 <sup>th</sup> |

**Necessary Guidelines for Science Activity Corners:**

Trained Resource Person/s will organize the Corner and evaluate students in each of the above-mentioned subjects. Result in this Competition is declared on the basis of Compilation of evaluation of each of the



students in all the 4 subjects both in Jr. and Sr. Category and in 3 Subjects in Sr. Sec. Category (Maths/Biology)

For more Clarity in this event, some Common Evaluation Parameters are shared. These include – Obtaining marks against Oral responses and Written work, Skillfulness, Know-How, Practical Proficiency etc.

**Selection:**

**BEST 3 STUDENTS from each category will qualify from Sub Division level for District level CSC and similarly from District level for State level CSC.**

**3. Mathematical Olympiad One student participate in one Category.**

**There is no Urban/Rural Categorization in this Event.**

**Categories: Are same as in Science Activity Corner**

**Necessary Guidelines for Mathematical Olympiad:**

Participating students will be assigned Written Exam in the form of Multiple Choice Questions (MCQ's) or Short answer type Questions. The Questions will mostly be from text books covered up to the current syllabus of the concerned Class/Category.

Participating students who advance into the next level after written examination, shall be evaluated through Quiz/Viva.

**Selection:**

**Best 3 students in each Category from Sub Division level will participate in the Distt CSC and similarly from District level to the State level CSC.**

**4. Innovative Science Model :**

**The Theme of the MODEL under 31<sup>st</sup> Children Science Congress is “Understanding Eco system for Health and Well Being” which has a very wide area of Application and it covers almost all the topics related to Environment.**

There will be open competition at subdivision level. For innovative Science Model competition there will be **only one category viz. students from 9<sup>th</sup> to 12<sup>th</sup> class.**

The students should present working science model with a concept note in Hindi/ English/ handwritten or typed along with diagram or sketch. The model should be low cost with original work. It should be creative, innovative and applied in concept.

Students are evaluated on the basis of Parameters like Realization of Objectives, Oral and Written Presentation, Effective Application and Practical Utility, Cost Factor and Workability, Relevance with Theme etc.

**Selection:**

**In this Event best 3 students from Sub Division level will participate in the Distt CSC and similarly from District level to the State level CSC.**

## B) DISTRICT LEVEL CSC

Qualified students from each Sub Division in the above 4 Events will participate in the District level Competition adhering to the same Guidelines and Instructions as mentioned above for Sub Division level CSC.

### 5. SCIENTIFIC PROJECT REPORT

#### Categories

**Junior:** Age Group 10 to 14 yrs as on 31<sup>st</sup> Dec. 2023  
**Senior:** Age Group 14+ to 17 yrs as on 31<sup>st</sup> Dec. 2023

(There is no Theme wise Participation Any one of the following 5 Sub themes under the Focal theme for the Year 2022-23 : "Understanding Eco system for Health and Well Being "be taken)

#### Subthemes :

1. Know your Eco system.
2. Fostering Health, Nutrition and Well Being.
3. Social and Cultural practices for Eco System and Health.
4. Eco System based approach (EBA) for self-reliance .
5. Technological innovation for ecosystem and health.

#### **PARTICIPATION**

Team comprising of a Group leader and one member from a given School may participate.

**Juniors** - {Age Group 10 to 14 yrs as on 31<sup>st</sup> Dec. 2023} **No Rural / Urban Categorization**  
Accordingly students to be Registered from Class 6<sup>th</sup> onwards even including Class 9<sup>th</sup> or 10<sup>th</sup> Class Students if Born between 31/12/09 to 31/12/13. Students born before 31/12/09 and after 31/12/13 are not eligible to participate in Jr. Category.

**Seniors** - {Age Group 14+ to 17 yrs as on 31<sup>st</sup> Dec. 2023} **No Rural / Urban Categorization**  
Accordingly students to be Registered from Class 9<sup>th</sup> to 10+2 even including lower Class Students if born between 31/12/06 to 30/12/09. Students born before 31/12/06 and after 30/12/09 are not eligible to participate in Sr. Category.

#### How to do Scientific Project ?

A Scientific Project is a scientific study of a problem carried out with the objective of finding out a solution to the problem. It involves definition of the problem, hypothesis, observation, collection of data through survey and /or experimentation, analysis, drawing conclusion(s) and solution of the problem. To carry out the Project, please follow some definite steps:

1. Form a group of likeminded children and select a group leader amongst them.(Only group leader will participate at District State and National level CSC). Also choose a Guide / Advisor for the project. He/ She may be his/her teacher, senior student or any other knowledgeable person. The Guide will not offer direct help in the project but will always stand by to give necessary tips.
2. Make a list of problems apparent in your locality. You should look for a challenging problem.
3. Find out the geographical (revenue) boundary of the area of study and draw a rough map.
4. Collect books, articles, news items etc. related to your project and go through them carefully. Discuss with your guide and decide your plan of action.
5. You may have to conduct a survey and / or carry out an experiment.
6. Once you complete your survey/experiment (s), try to solve the problem identified to the extent possible.



### **What type of project should be taken up?**

**The projects to be submitted and presented are both SURVEY & EXPERIMENT based.**

#### **Structure of the Project Report**

- **Cover page-**
  - Title of the project.
  - Name and address of Group leader and co-worker.
  - Name and address of guide.
    - Form-A (Registration form)
- **Abstract:**

Write an abstract of your project in English/Hindi within 300 words in Sr. Category (Upper Age Group) and 250 words in Jr. Category (Lower Age Group). The language used in the abstract should be very simple (avoid ornamental language).

  - Contents/Index- Introduction-description on background of the study
  - Aims and objectives of the study
  - Hypothesis
  - Need statement
  - Work plan
  - Methodology
  - Observations
  - Data analysis and interpretation
  - Results
  - Conclusion
  - Solution to the problem
  - Future plan
  - Acknowledgement
  - References

Keep your report precise and avoid unnecessary information and things which are not needed to make your work understandable. Limit the report to what you have done and not what others have done in the world. If you want to make references, just mention them and give reference at the end.

For JUNIOR projects (10-14 years), the length of the project should NOT be more than 2500 words.

For SENIOR projects (14+- 17 years), the length of the project report should not be more than 3500 words.

Reports can be hand written or typed with FONT Size of 12 points for the main text.

. DO NOT PRINT YOUR REPORT IN EXTRA LARGE FONT SIZE.

. Use Normal FONTS for the report and not Fancy Fonts..

. While presenting bring your LOG BOOK (original data recordings).

. Language - Local, National or English

. **Project Presentation- Total 10 minutes: 8 minutes to present the report and 2 minutes for interaction with evaluators and written report evaluation etc.**

. Working models/charts/transparencies can be used for presentation.

. Group Leader to present the Report.

Summary of Report in around 500 words in English required. Three copies of report to be prepared.

Summary should contain the topic, brief account of survey/experiments and the outcome of the project along with follow up actions.

## **Project Report Improvement-**

If the Project get selected at the district /State level for further participation each report should include a last page in their report regarding improvements carried out after the last level according to comments received from the evaluators which carries special marks.

## **Poster Prersentation-**

4 posters (55 cm x 70 cm) mandatory and in addition, 5 power point presentation slides may be used. Organize your information logically so that your audience can quickly follow the thread of your experiment/Project.

Use a BIGGER font size. (Write in bigger letters so that people can see your charts from a distance itself. The title should be big and easily readable across the room.

Give your main tables/data analysis etc. leading to the Conclusion.

Prefer graphical representation/picture as graphical representation/picture speaks a thousand words.

## **Log Book-**

Log Book is mandatory for all Scientific Project Report and should be brought while making presentation.

Features of logbook-

1. Have date wise entries in the logbook.
2. Use logbook regularly and systematically.
3. Put your name ,address,phone numbers etc.
4. *Number the pages*
5. Record the date and time of every observation.

**Note- Logbook has to be signed by the guide teacher and countersigned by Head of the school.**

## **FORMAT FOR SCIENTIFIC SURVEY REPORT (steps)**

Abstract: (Not more than 500 words)

↓  
Introduction: ( 1 / 2 Pages)

↓  
Methodology / Work Plan:

↓  
Analysis of Data:

↓  
Conclusion:

↓  
Solution of the problem/Suggestions:

↓  
Acknowledgement:

↓  
References

**For more information and details kindly go through [www.himcoste.hp.gov.in](http://www.himcoste.hp.gov.in)**

**Form-A****FORMAT FOR SCIENTIFIC PROJECT REPORT  
(CHILDREN SCIENCE CONGRESS – 2023)**STATE: H.P.

DISTRICT: \_\_\_\_\_

SUB DIVISION: \_\_\_\_\_

School Name and address: \_\_\_\_\_

TITLE \_\_\_\_\_ OF \_\_\_\_\_ THE \_\_\_\_\_ PROJECT: \_\_\_\_\_

Language used: \_\_\_\_\_

FOCAL THEME: UNDERSTANDING ECOSYSTEM FOR HEALTH AND WELL BEING

SUB THEME:

1. Know your Eco system.

Fostering Health, Nutrition and Well Being.

3. Social and Cultural practices for Eco System and Health.

Eco System based approach (EBA) for self reliance .

5. Technological innovation for ecosystem and health.

NAME OF THE GROUP LEADER: \_\_\_\_\_

FATHER'S NAME / MOTHER'S NAME : \_\_\_\_\_

GENDER (M/F) : \_\_\_\_\_

DATE OF BIRTH : \_\_\_\_\_

AGE AS ON 31/12/2023 : \_\_\_\_\_ YRS. \_\_\_\_\_ MONTHS

MOBILE NO. \_\_\_\_\_

NAME OF THE GUIDE TEACHER \_\_\_\_\_

MOBILE NO. \_\_\_\_\_

NAME OF THE TEAM MEMBER \_\_\_\_\_

GENDER (M/F) : \_\_\_\_\_

DATE OF BIRTH : \_\_\_\_\_

AGE AS ON 31/12/2023 : \_\_\_\_\_ YRS. \_\_\_\_\_ MONTHS

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Attested Photograph

**Signatures of the head of the Institute with Seal****District Coordinator**

- Birth Certificate of each Team Member should be verified by the School/Dist. Coordinator.
- A copy of the complete Registration Form must be enclosed with the Project Report.



Originality of the project & Concept, Relevance to the theme, Understanding of the Issue, Data Collection and Analysis, Experimentation Validation, Interpretation and problem solving attempt, Team Work, Oral & Written Presentation etc are Evaluation Parameters in Scientific Project Report Presentation.

**Selection:**

In this event best 8 students both in the Lower age gp. i.e. Jr. Category and Upper Age gp. i.e. Sr. Category from District level will qualify for State level CSC.

**6. SCIENCE SKIT**

**No Junior/Senior or Rural/Urban Categorization**

Students from Class 6<sup>th</sup> to 10+2 can participate in a team of 8 (Maximum) on the Theme under 31<sup>st</sup> Children Science Congress "Understanding Eco system for Health and Well Being". Time limit for the Skit is : 12 – 15 minutes.

Confirmation required through authenticated Script, which has to be submitted 3 – 4 days before commencement of the District level CSC.

Evaluation Parameters for skit may be like Presentation/ Portrayal, Relevance with theme, Effective Application, Fulfillment of Instructions etc.)

Additionally, some other features in r/o Skit are as:

**Originality/Creativity**

**Appropriateness**

Profane or obscene behavior, language, gestures, and other vulgar acts are not tolerated and will result in disqualification

**Entertainment Value**

Audience appeal, overall quality of performance, and theme development

**Teamwork**

Involvement of a group members

**Orientation/Institution Related**

Performances must include information about the team's institution and/or orientation program; performances that do not include this information will be disqualified

**School Spirit/Enthusiasm**

Ability to maintain a high level of energy and excitement throughout the performance

**Theatrical Quality**

Clear theme/plot development and message

The skit team should be able to set up the props and other necessary requirements on the stage within five minutes and should remove after the performance.

Written posters /banners /AV aids can be used for illustration.

**Selection:**

In this event only the best Skit will qualify from District level to State level CSC.

**C) STATE LEVEL CSC**

Qualified students from each District in the above 6 Events participate in the State level Competition adhering to the same Guidelines and Instructions as mentioned above.



**SCHOOL WISE participation limit in 31<sup>st</sup> CSC**

| Sr. | School Category | Activity |   |    |                  |   |    |                 |   |    |                |   |    |                |   |    | TOTAL |      |   |    |    |
|-----|-----------------|----------|---|----|------------------|---|----|-----------------|---|----|----------------|---|----|----------------|---|----|-------|------|---|----|----|
|     |                 | QUIZ     |   |    | SCIENCE ACTIVITY |   |    | MATHS. OLYMPIAD |   |    | PROJECT REPORT |   |    | INN. SC. MODEL |   |    |       | SKIT |   |    |    |
|     |                 | J        | S | Ss | J                | S | Ss | J               | S | Ss | J              | S | Ss | J              | S | Ss |       | J    | S | Ss |    |
| 1   | Middle          | 2        | - | -  | 1                | - | -  | 1               | - | -  | 2              | - | -  | -              | - | -  | 8     |      |   | 14 |    |
| 2   | High            | 2        | 2 | -  | 1                | 1 | -  | 1               | 1 | -  | 3              | 3 | -  | 1              |   |    | 8     |      |   | 23 |    |
| 3   | Sr. Sec.        | 2        | 2 | 2  | 1                | 1 | 1  | 1               | 1 | 1  | 3              | 5 |    |                | 1 |    |       | 8    |   |    | 29 |

**J: STUDENTS FROM CLASS 6<sup>TH</sup> TO 8<sup>TH</sup>**

**S: STUDENTS FROM CLASS 9<sup>TH</sup> TO 10<sup>TH</sup>**

**Ss: STUDENTS FROM CLASS 10+1 TO 10+2**

**Note:** As mentioned above, participation in the Scientific Project Report Competition is on the Age Basis. Here Class has no concern and accordingly Registration on Portal is on Age basis.

**Note:** Participants will not be allowed to compete in more than one event and in case of replacement of a student who is already registered in the Portal is allowed only on **Medical Ground / other unavoidable circumstances with prior approval of Dy. Director of Elementary Education of the concerned District.**