To:

All Principals / Headmasters / BRCC, Upl. Primary / In charge
Govt. / Private (Sr. Sec. / High / Middle Schools)
District Chamba H.P.

Subject: CHILDREN SCIENCE CONGRESS 2019

Sirs/Madams:

A State Level Interaction meeting was held on 5th July 2019 under the Chairmanship of Sh. D.C. Rana, Member Secretary, H.P. State Council for Science, and Technology & Environment at Shimla for the organization of Children Science Congress 2019.

In the context Schedule of Children Science Congress 2019 along with Programme for the Year 2019 is being circulated to all Govt./Private, Middle, High, Sr. Sec. Schools of District Chamba. Hence you are hereby directed to ensure the participation of the students of your school.

SCHEDULE OF CHILDREN SCIENCE CONGRESS 2019

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District Level Children Science Congress: 2019
Venue: Information will be provided later
Dates: 21-10-2019 to 23-10-2019

State Level Children Science Congress - 2019
District: GSSS (Girls) Bilaspur
Dates: 04-11-2019 to 07-11-2019

CHILDREN SCIENCE CONGRESS 2019
THE PROGRAMME FOR THE YEAR 2019 IS SUMMARIZED AS FOLLOWS

Sub-Division Level CSC 2019

Science Activity Corner
In the Science Activity Corner simple experiments/activities related to physics, chemistry, biology, mathematics, astronomy, origami, explaining miracles scientifically, low cost experiments. Science through puppetry, Rocket Making, Aerodynamics, making products from waste, etc. will be organized. The competition will cover all 5 categories described below:

Junior (Rural) 6th to 8th classes
Junior (Urban) 6th to 8th classes
Senior (Rural) 9th to 10th classes
Senior (Urban) 9th to 10th classes
Senior Secondary 10+1 & 10+2 classes.

1.1 Guidelines:
Participation of students from each school in science activity corner the number of maximum students from each school who can participate at sub-division level will be as follows:

Sr. Sec. School : 3 students (1 Sr. Sec., 1 Sr. Group, & 1 Jr. Group)
High School : 2 students (1 Sr. Group & 1 Jr. Group)
Middle School : 1 students (1 Jr. Group)

The students can bring innovative ideas/models or can explain through posters and other genuine equipment's. Best first 3 students from each category will be selected for District Level Children Science Congress.

2 Science Quiz Competition

The Science Quiz can have maximum of 6 rounds and must cover all branches of science including Physics, Chemistry, and Biology, Visual round, Current events round, Rapid fire round and knowledge about Science Discoveries. There will be visual and interactive rounds to check the intelligence of the student rather than memory. This competition will also cover all the 5 categories. This team will comprise 2 students. The team having first position in each category will be selected for District Level Competition.

3 Innovative Science Model Competition

There will be open competition at sub-division level. In this competition there will be only one category viz. students of 9th to 12th classes. The model should be low cost & in working condition. The students should present working Science Model with a concept in Hindi/English/handwritten or typed along with diagram or sketch on the prescribed format. The model should be low cost with original work. It should not repeat the conventional Science Principals. It should be innovative and applied in concept. The focal theme this year for Science Model Competition is: "SCIENCE TECHNOLOGY & INNOVATION FOR A CLEAN, GREEN & HEALTHY NATION" or the students can have any other innovative ideas. The models remaining at First, Second & Third positions at sub-division level would participate in District Level Children Science Congress.

4 Mathematical Olympiad

Mathematical Olympiad will be started at the subdivision level. This time students can participate from Sub Div. Without participating in any other event independent. Written test will be conducted only in three categories (A) Junior Categories (B) Senior Categories (C) Senior Secondary. (No Rural, Urban Categories). Three students First, second and third will participate in Distt. Level.

5. Scientific Project Report Competition

This year scientific survey report will start from Sub. Div. Level. covering all 5 categories. The age of participants should not be less than 10 years and greater than 14 years for Junior Group (6th to 8th class) up to 31-12-2019. Whereas in case of Senior Group (9th to 12th class), the age should not be less than 14 years and greater than 17 years up to 31-12-2019. The participant will be disqualified if he/she does not fulfill age criteria. No. of students to be selected for Distt. Level CSC, (2 from Urban, 2 from Rural) in Junior Category, (4 from Urban 4 from Rural) in Senior Category, 4 students from (Sr. Sec.). The Focal Theme and sub-themes for the Scientific Project Report are listed below:

Focal Theme

"SCIENCE TECHNOLOGY & INNOVATION FOR A CLEAN, GREEN & HEALTHY NATION"

Sub-Themes ->

(i) ECO SYSTEM AND ECO SYSTEM SERVICES
(ii) HEALTH, HYGIENE AND SANITATION
(iii) WASTE TO WEALTH
(iv) SOCIETY, CULTURE AND LIVELIHOODS
(v) TRADITIONAL KNOWLEDGE SYSTEM (TKS)
There will be no criteria for selection from different sub-themes. Student can choose any of the 5 sub-themes. Use A4 size paper (8" x 11.5") for writing the report. Write on one side of the paper. The report should be either neatly typed or handwritten. Make at least two copies of project report, one for submission at registration and other for your use for presentation. Detailed information about scientific project report can be seen on web Portal. A group of 2 students along with Guide teacher will prepare their scientific project report through visits, data collection and other relevant activities. Only group leader will participate in Survey Report. At the time of registration he will submit Registration form. Registration form must be duly signed by the Head of Institution. A passport size photo will also be affixed at the place shown in the form.

Any one of the Sub-themes under the Focal theme for the Current session may be taken. Abstract of 100 words has to be submitted. Please visit to Guidelines Section in Web Portal.

DISTRICT LEVEL CHILDREN SCIENCE CONGRESS-------- 2019

In the District Level CSC, six (6) competitions will be organized as follows:

1. **Science Activity Corner**: -
Three selected students from each category at sub-division level will participate in District Level Children Science Congress keeping norms and guidelines same as for sub-division level CSC. Three students will participate in State level from each category.

2. **Science Quiz**: -
The team standing first in each category at sub-division level CSC would categorically participate in the District Level CSC. The norms & guidelines are same as for the sub-division level CSC.

3. **Innovative Science Model Competition**: -Top three models from one category (students from 9th to 12th classes) at sub-division level CSC, will take part in the District Level CSC. After selection at sub-division Level. Same model with same idea, after doing genuine modifications will be presented at District Level CSC.

4. **Scientific Project Report Competition**: -
No. of students to be selected for State Level CSC. 2 from Urban, 2 from Rural (Junior Category), 4 from Urban & 4 from Rural(Senior Category), 4 students from (Sr. Sec.).

5. **Mathematical Olympiad**
Students selected from block level three students First, second and third will participate in Distt. Level. Only first positions in Distt. Level will participate at State Level CSC Mathematical Olympiad.

6. **Science Drama / Play Competition**: -
Science Drama will start from Distt. Level. Science Skit would be organized only up to 10th standard (to merge with National Science Drama programme of SCERT Solan). The duration of Science Skit would be 20-25 minutes. Number of participants will not be more than seven (7).

**Guidelines for CSC Skit /Science Drama** Competition are as follows - National Science centre, Delhi Rules and Regulations of Science Drama Contest, 2019
Who can participate?
1. The competition is open to the School students from 6th to 10th Standard
2. The team standing First in Distt. Level CSC will participate in State level CSC- 2019
3. **The written Script of the skit has to be submitted to Rajeev Mahajan before or on 30th September, 2019 because our judges cannot Judge more than 8 (Eight) Skit in Two days. So Schools selected after judgment of our CSC judges can participate in skit during Distt. Level CSC. Non Submission of the script will lead to the disqualification of the team.**

Following is the theme and sub-theme of this year contest.

**Main Theme:** Science and Society (विज्ञान एवं समाज)

**Sub Themes:**
1. Gandhi Ji & Science (गांधी जी और विज्ञान)
2. Cleanliness, Health & Hygiene (सफाई, स्वास्थ्य एवं स्वारूप)
3. Periodic Table (अवशोष तालिका)
4. Green & Clean Energy (हरित एवं स्वच्छ ऊर्जा)

**Instructions**

**For Script Writer**

1. The drama should not be an academic exercise and boring. It should give emotional and aesthetic experience to the performer and also to the audience.
2. It should totally engage the audience and give educational message indirectly but effectively. The performers and the audience should feel happy that they have understood / learnt something from this.
3. While writing the play, care should be taken with regard to the settings, duration of the play and also the number of artists taking part in the drama.

**For participants:-**

1. The duration of the play should not be more than 20-25 minutes.
2. There should not be more than 7 actors (including male & female) as a team for easy mobility.
3. It should convey scientific message.
4. The drama team should be able to set up and stage the play quickly.
5. The language should be easy to follow (more of visuals preferred).
6. The drama can be in any Indian language (official)
7. The drama can have costumes, dance, music, mime and also models to enhance the quality and credibility of the drama.
8. Written posters/banners/A.V. aids/backdrops can be used for illustration.
9. If presented in any language other than in English, or Hindi, the participating school has to submit an authentic Hindi/English translation of the script to the organizer well before or on 30th September, 2019.

TA/DA of the students (Sub-Divisional Level) will be paid from their own school i.e. Science Fund or any other fund for the said purpose and TA/DA of escort teachers and Judges at sub division level will be borne by the concerned school. TA/DA of students and Judges at District & State Level will be borne by the State
Council for Science, Technology & Environment H.P. Shimla, where as TA/DA of escort's Teacher will be borne by their Schools.

It is only the scientific project report and Science Drama which are competed at National Level. All other competitions like Science Activity corner, Mathematical Olympiad, Science Quiz and Science model competitions are limited to State Level.

Level - I Sub-division Wise

Activities

- Science Quiz, Science Activity Corner, Innovative Science Model, Mathematical Olympiad
- Scientific Survey Report* (*New)

Categories

- Junior (6th to 8th), Senior (9th & 10th) & Senior Secondary (10+1, +2)
- Sub Categories: - Junior (Rural and Urban) Senior (Rural and Urban) & Senior Secondary - No. Rural/Urban

Categorization

2 Students in all the above categories from each School participates as per location Participation of the School-Rural or Urban and as per the level of School-Senior Secondary High or Middle.

Activities

Science Quiz Competition

Conducted in - Junior Rural, Junior Urban, Senior Rural, Senior Urban & Senior Secondary Category.

Science Activity Corners

Conducted in - Junior Rural, Junior Urban, Senior Rural, Senior Urban & Senior Secondary Category.

1 Student in all the above categories from each School participates as per location Participation: of the School - Rural or Urban and as per the level of School - Senior Secondary High or Middle

Mathematical Olympiad

Conducted in - Junior, Senior & Senior Secondary Category.

Participation: 1 Student in the above 3 categories No Rural/Urban Categorization.
Scientific Survey Report

Conducted in - Junior Rural, Junior Urban, Senior Rural, Senior Urban & Senior Secondary Category

Qualifying Criteria

Participation:

2 Students in the categories Junior Rural/Urban as per location of the School, 4 Students Senior Rural/Urban and 4 Students in Senior Secondary

In each Sub Division to advance to the next level - II (Distt.)

1. Science Quiz - Best/1st in each of the 5 Categories - i.e. 5X2 - 10 Students
2. Science Activity Corner - Best/1st 3 in each of the 5 Categories - i.e. 5X3 - 15 Students
3. Innovative Science Model - Best 3 /1st, 1Ind & 2Ind in the single category - 3 Students
4. Mathematical Olympiad - Best 3 /1st, 1Ind & 1Ind in 3 categories - i.e. 3X3 - 9 Students
5. Scientific Survey Report - 2 Best - 1st and 2nd in the categories Junior Rural, Junior Urban, 4 in Senior Rural, Senior Urban and 4 Students in Senior Secondary Total - 16

Total Students that advance to the next level - 53 from each Sub Division

School Wise Participation Limit

For MIDDLE Schools:
6 Students (2 Science Quiz + 1 Science Activity Corners + 1 in Mathematical Olympiad + 2 Scientific Survey Report)

15 Students (2 Junior + 2 Senior = 4 in Science Quiz + 1 Junior + 1 Senior = 2 in Science Activity Corners, 1 in Science Model and 1 Junior + 1 Senior = 2 in Math Olympiad & 6 (2 Junior+ 4 Senior) in Scientific Survey Report.

For HIGH Schools:
23 Students (6 Science Quiz + 3 Science Activity Corners 1 in Science Model Exh. And 3 in Mathematical Olympiad & 10 (2 Junior, 4 Senior + 4 Senior Sec) in Scientific Survey Report.

Special Instructions regarding competitions

Science Quiz Competition 80% of the Questions are subject based and 20% Science GK.

Science Activity Corners  Physics, Chemistry, Biology, Mathematics, IT/Media, Astronomy and Origami etc. are organized if possible

Innovative Science Model The Model should be low cost & in working condition based on the Focal theme of the current session.

Mathematical Olympiad 25 MCQ’s with Viva Voce in case of Tie. The Questions will mostly be - from text books.
Scientific Survey Report

Any one of the Sub-themes under the focal theme for the current session may be taken. Abstract of 100 words has to be submitted. Please visit to Guidelines Section for Programme Guidelines.

Age Limit

For Seniors and Senior Secondary
Not above 17 years as on the 31st of December of the current session.

For Juniors
10 to 14 years as on the 31st of December of the current session.

BRCC can organize one day workshop of Lect./TGT's (Science) regarding web portal and registration of Judges.

Note: All heads are directed to convey these guidelines to the middle schools under your control.

Deputy Director of Elementary Education
Chamba District Chamba H.P.

Ends. No. Even Dated
Chamba 176318

Copy to:

1. The Member Secretary H.P. State Council for Science, Technology & Environment, Block 34-SDA Complex, Kasumpti, Shimla -9 (H.P) for information please
2. The S.ate Project Director SSA/RMSA, SPO Shimla for information please
3. The Director of Higher Education Himachal Pradesh Shimla, for information please
4. The Director of Elementary Education, Himachal Pradesh Shimla, for information please
5. The Superintendent of Police Chamba for information please
6. The Deputy Director Higher Education, Distt. Chamba for information please
7. DPO (SSA/RMSA) cum Principal DIET at Saroo Chamba Distt. Chamba for information please
8. The Principal Incharge venue with request to make necessary arrangements for the smooth and successful organization of the programme.
9. All BRCC UP, Primary to help in registering school in CSC Web Portal for information please.
10. The President HPPLA District Chamba, for information please
11. The President HPILA, District Chamba for information please
12. The President HPMSA, District Chamba, for information please
13. The President HGTU, District Chamba, for information please
14. Guard File

Deputy Director of Elementary Education
Chamba District Chamba H.P.