

GOVT. OF NCT OF DELHI
DIRECTORATE OF EDUCATION (SCIENCE & TV BRANCH)
OLD GARGI COLLEGE BUILDING LAJPAT NAGAR-IV, NEW DELHI-110024
Ph: 26280410; email: sciencebranch@gmail.com

F.No.DE-40(6)/SCB/2020/2021-23

Dated: 01/10/20

CIRCULAR

Sub:-Reg. RASHTRIYA AAVISHKAR SAPTAH (RAS) -2020

To make learning of Science and Mathematics a joyful and meaningful activity; to nurture a spirit of inquiry and creativity; to bring focus on innovation and use of technology, Ministry of Education (MoE), Government of India have set up **Rashtriya Avishkar Abhiyan (RAA)**.

National Council of Educational Research and Training (NCERT), New Delhi has proposed that the third week of October, that is, **15th October to 21st October 2020 (October)** being the month of late **Dr APJ Abdul Kalam's** birth anniversary may be declared as '**Rashtriya Aavishkar Saptah - 2020**. During this week, all students at Upper primary, Secondary and Higher Secondary Stages, from each Zone across the country, will uniformly carry out a study involving experimentation as per the Guidelines developed by NCERT. Owing to the outbreak and closure of various schools and to avoid prevalent precarious COVID19 pandemic situations, this year all those experiments may be conducted in an online/digital mode at home.

The objective of this programme is to generate enthusiasm and to encourage experimentation or exploration among school students at upper Primary, Secondary and Higher Secondary Stages so that they become motivated and engaged in Science and Mathematics. Involvement of students in understanding and sensitization of some common issues and local problems may be one of the ways to achieve this.

The Theme of this year will be on "Water Auditing and Calculation of Carbon Foot-Print" to observe "**Rashtriya Avishkar Saptah-2020**". This may help in spreading a wave of awareness about the importance of wisely usage of water and lessen the emission of carbon in our country.

Consequently, four activities are designed on “**Water Auditing and Calculation of Carbon Foot-Print**”,

1. **Water Audit for Household Purposes** (Class VI-VIII),
2. **Water Audit for Gardening** (Class VI-VIII),
3. **Water Audit for Agricultural Crops** (Class IX & X) and
4. **Calculation of Carbon Foot - Print** (Class XI & XII).

These activities will be uniformly carried out by selected schools during The **Rashtriya Aavishkar Saptah-2020**, strictly as per NCERT guidelines. Results of the study conducted by students’ will be collected by the assigned teacher/s for RAS 2020. Teacher will compile the result and prepare an average data for all participants. Each school will submit only one Google form for each activity through online Google form link given in the Guidelines. The results of the study will be compiled, analysed and shared by NCERT.

SELECTION OF SCHOOL:

At least three to five (Govt., Govt. Aided, Unaided) Schools from each zone having classes from 6 to 12th with Science stream.

DDE Zones’ are directed to encourage maximum participation of the schools and submit the following information to Science Branch (in Excel format) within three days:

S.NO	NAME OF SCHOOL WITH SCHOOL ID	NAME OF THE HOS WITH MOBILE NUMBER AND GMAIL ID	NAME OF THE SCIENCE TEACHER FOR WATER AUDIT FOR HOUSEHOLD PURPOSE	NAME OF THE SCIENCE TEACHER FOR WATER AUDIT FOR GARDENING	NAME OF THE SCIENCE TEACHER FOR WATER AUDIT FOR AGRICULTURAL CROPS	NAME OF THE SCIENCE TEACHER (PGT CHEMISTRY) FOR WATER AUDIT FOR CALCULATION OF CARBON FOOT- PRINT
1	2	3	4	5	6	7

ACADEMIC SUPPORT:

Faculty members of SCERT, DIET and Academic Core unit will be deputed for providing academic support to the selected schools.

Detail guidelines of NCERT will be shared with selected schools for conduct of experiments and uploading the result on Google form.

ATMOSPHERE:

Experiments should be performed at home in positive, calm, pleasant work atmosphere, teachers and parents may let the students know that they may get various data and errors may also be expected so that there will not be any fear, anxiety or tension among the performing students and inculcation of values among the students will be encouraged.

Sudhakar
01/10/2020

(SUDHAKR)
DY. DIRECTOR OF EDN.
(SC. & TV BR.), HQ
Dated: 01/10/20

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Copy to:-

1. PS to Director of Education, Directorate of Education, GNCT of Delhi.
2. All DDEs (Zone & District), Directorate of Education, GNCT of Delhi
3. OS (IT) with the request to upload the circular on department website in Public Circulars.

Prmo
1.10.2020

(PRAMOD KUMAR)
DY. DIRECTOR OF EDN.
(SC. & TV BR.)