



केन्द्रीय विद्यालय संगठन
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No.F. 110365/02/2010-KVS(HQ)/AC-AH

21st August, 2014

Deputy Commissioner
All Regions
Kendriya Vidyalaya Sangathan

Sub: Promotion of Science learning in Kendriya Vidyalayas

Madam/Sir,

It is imperative that good Science teaching in schools not only facilitates inculcation of scientific temper among the students but also aids future scientific advancements. After elaborate deliberations during the Deputy Commissioners' Conference on the above subject, the following were decided to be implemented at school level:

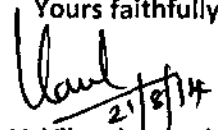
1. Participation of students in Junior Science Olympiad(JSO):- Conduct of JMO at KVS level for the past few years has proved useful and encouraging. On similar lines, Students of Classes IX and X must be encouraged to participate in Junior Science Olympiad. The first phase of the Science Olympiad is conducted by IAPT (Indian Association of Physics Teachers) every year and the registration of the students has just started. The meritorious students in the first phase would be allowed to participate in the second phase of the Olympiad which is conducted by HBCSE(Homi Bhabha Centre for Science Education). Hence, **you may direct all the schools immediately to encourage students of Classes IX and X to register themselves with IAPT for participation in the first phase of the Science Olympiad.** The details can be obtained at their website at the address www.iapt.org.in/ and also www.hbcse.tifr.res.in with a link on Olympiads. An outline of the JSO is enclosed for ready reference.
2. All the schools must also enrol themselves as members in HBCSE which would facilitate them to subscribe to their useful journals and books. The information and news in these journals must be thoroughly discussed during the subject committee meetings of Science teachers for appropriate dissemination among the student communities. The details can be obtained at their website at the address www.hbcse.tifr.res.in
3. The lab facilities in the schools must be used effectively and meaningfully. Junior Science labs must be put to use more vigorously and effectively. Practical periods should be earmarked in the time table for Classes VI to X every week and at least in these periods, practical teaching must be ensured.

4. Most of the schools are already having science clubs, eco clubs etc. However, they are not very active and productive. Vigyan Prasar, DST has good mentoring for Science clubs in schools. Hence, all the schools may be directed to create 1 or 2 Science clubs by involving good Science teachers and some students. Necessary guidelines and modalities can be sought from Vigyan Prasar. The details can be obtained at their website at the address www.vigyanprasar.gov.in/.

5. The educational field trips for the students in the secondary and senior secondary classes must be planned to nearby Science Centres, Science museum, Central labs etc in order to awaken the interest among the students towards Science learning and also to provide them an exposure to the practical application of Science.

The above instructions must be conveyed to the Schools immediately for strict compliance.

Yours faithfully,



(Dr. V. Vijayalakshmi)
Joint Commissioner (Acad)

Olympiads

Homi Bhabha Centre for Science Education

Junior Science

The International Junior Science Olympiad (IJSO) is a competitive examination open to students of all countries in the world, primarily studying in secondary schools. All basic subjects of Science (Physics, Chemistry, Biology and Mathematics) are given roughly equal representation in the IJSO examination.

Stages

The Junior Science Olympiad program will follow the following 5 stages:

- **Stage I:** National Standard Examination in Junior Science (**NSEJS**).
- **Stage II:** Indian National Junior Science Olympiad (**INJSO**),
- **Stage III:** Orientation cum Selection Camp (**OCSC**) in junior science,
- **Stage IV:** Pre-departure Training Camp (**PDT**) for IJSO,
- **Stage V:** Participation in International Junior Science Olympiad (**IJSO**).
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Stage I will be entirely the responsibility of IAPT. All the remaining stages will be organized by the HBCSE.

The detailed information about eligibility and structure of the stages is given below:

Stage I: National Standard Examination in Junior Science (NSEJS)

NSEJS is the first stage of selection of students in the Junior Science Olympiad Programme. NSEJS is organised by the Indian Association of Physics Teachers (IAPT). Every student aspiring to go through successive stages of the programme must enroll for NSEJS. NSEJS is held at a large number of centres in the country.

Date of NSEJS 2014: 23 November 2014 (Sunday)

Time of NSEJS 2014: 03:00 pm to 05:00 pm

Last Date for Enrollment for NSEJS: 15 September 2014

Eligibility (NSEJS):

All Indian students who are born on or after January 1, 2000 and, in addition, are in Class X or lower as of November 30, 2014, are eligible to appear in NSEJS 2014 – 2015. If they qualify in the NSEJS, they will be eligible for subsequent stages leading to participation in International Junior Science Olympiad 2015.

It is the student's responsibility to ensure that the eligibility crite