**National Science Centre**

**(National Council of Science Museums)**

**Near Gate No.1, PragatiMaidan**

**New Delhi-110001**

**INFORMATION ON SUMMER VACATION HOBBY CAMPS**

**National Science Centre** organizes summer hobby camps every year during summer vacation in May-June for school students. This year too, Summer Vacation Camps (four camps of duration 5 days each) for school students will be conducted from 16th to 20thMay, 23rdto 27th May, 6th to 10thJune and 13th to 17th June2016. The timing for each camp is 10:30 am to 1:30 pm every day. The following are the brief details regarding eligibility, disciplines, maximum intake per camp& enrollment fee:

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| --- | --- | --- | --- | --- |
| S.No. | Discipline  (Brief details are given below) | Class of Study | Max. Intake per Camp | Enrollment fee per head |
| 1. | Creative Art (Junior) | III | 25 | Rs.1500 |
| 2. | Creative Art (Senior) | IV | 25 | Rs.1500 |
| 3. | Exploring Nature | Vto VII | 30 | Rs.1800 |
| 4. | Scientific Toy Making (Jr.) | V to VII | 30 | Rs.1800 |
| 5. | Scientific Toy Making (Sr.) | VIII to X | 30 | Rs.1800 |
| 6. | Astro Lab | VIII to X | 30 | Rs.1800 |
| 7. | Biotechnology | IX to XII | 25 | Rs.2000 |
| 8. | Wonders of Electronics | IX to XII | 25 | Rs.2000 |
| 9. | Robotics | IX to XII | 20 | Rs.2000 |

The camps (5 days each) will be repeated regularly for four weeks for different students each time in each discipline.

**WHO CAN PARTICIPATE?**

The camps are exclusively for school students studying in std. III to XII.

**WHAT IS IN OFFER?**

In these programmes, participants will be trained in developing interesting projects, which will help them to understand the concepts of Science & Technology in better way. All students will be given study materials and will be guided by experts. Participation certificates will be given to all participants who will complete the camp successfully. Gallery visit and other facilities like Science Demonstration Lecture, 3D Film Theatre etc. will also be shown to the participants absolutely free.

**PROCEDURE FOR ENROLLMENT:**

Registration forms may be downloaded from our website [**www.nscdelhi.org**](http://www.nscdelhi.org). Advertisement in Hindi and English is being published in reputed newspaper on Sunday, 24th April 2016. Registration (Filled-in forms with requisite fee) for enrollment in summer camps will start from25th April 2016 onwards. Admission in respective discipline will be done on first-come-first-served basis by paying the enrollment fee in cash along with duly filled-in registration form at cash counter of the Centre between 10:30 am&4:00 pm (excluding lunch period from 1:00 pm to 2:00 pm) on all working days except Holidays & Sundays.

Information about the availability of seats in respective camps will be monitored and would be available on our website. No registration will be made online. No request for booking any seat in any of the camps will be entertained over mail/phone.

**IMPORTANT NOTE:**

1. Once registered, no change in the discipline& date are allowed.
2. Enrollment fee once deposited is non-refundable& non-transferable.
3. Parents/accompanying persons have to pay parking fee if their vehicle is parked in the campus during the camps. Parents/escorts are not allowed to accompany the participants in the class.
4. Parents/Schools are required to make their own arrangement for pick & drop of participants. The camps would be over by 1:30 pm every day and the participants may leave accordingly. However, if interested, they may be allowed to stay inside the premises up to 5:00 pm at their own responsibility. All participants are requested to report at 10:00 am on the first day of the respective camps with enrollment fee receipt/ticket.

**Brief details of course in Summer Hobby Camps 2016**

**Creative Art (Junior) *&* Creative Art (Senior)**

Arts and crafts are really important for children from a young age. They love doing a variety of arts and crafts as an outlet to be creative and have some fun! Art and craft sessions allow children to gain self-confidence, belief in their abilities and to learn through play. The students will get an opportunity to make some craft work using papers, waste materials, decorative items etc.We simply create an environment in which these young children make things on their learn working with peer group. Basic idea of creative art is to re-use any things in a new way or differently.

**Exploring Nature**

This camp is designed to give students practical ideas to share and enjoy the natural world. In this camp, student learns about the importance of plants, makes herbarium, knows about the soil, makes soil profile sheet, knows about micro world, makes plant slide and peeps inside it throw microscope. They would get an opportunity to know more about the birds, make a bird finder and bird feeder. They also learn about human body and make a working model of lungs and understand about the dental health through hands-on activity.

**Scientific Toy Making (Junior)& Scientific Toy Making (Senior)**

During the camps, students make scientific toys/kits on scientific principles covering topics of sound, optics, mechanics, electricity etc. This makes scientific learning enjoyable and promotes thought process to explore newer ideas.

**Astro Lab**

If you love pursuit of imagination, if you cannot afford to give up enjoyment of looking & listening from afar and if you think that as space sailor you would peep through this vast universe which seems to be a limitless physical & chemical laboratory, Astro Lab camp can be a sparkler for you to ignite your enthusiasm. This camp is designed to give basic information on Astronomy-the science of celestial body. In this workshop, students learn to locate direction by shortest shadow activity. They can measure circumference of earth, make a refractor telescope, spectroscope and a model on phases of Moon. After completing this workshop students can identify stars by their names, constellations, Planets, Deep Sky Objects in real sky.

**Biotechnology**

The course aims to help students to take a closer look at biotechnology through exciting experimental activities. It is expected that the activities will familiarize them about the basic techniques and handling of biotech equipment used to identify, isolate, processing and detection of microorganisms, DNA, proteins, enzymes etc. These experiments are based on hands-on activities in Biotechnology so that they can understand fully the principles involved.

**Wonders of Electronics**

During the camp, the students will get an opportunity to learn fundamentals of Electronics, introduction to microcontrollers & hands-on activities with Arduino based projects. They will also learn handing of basic measuring instruments used for designing a circuit. The students will be given exposure about the application of microcontrollers in daily life.

**Robotics**

Mechanization is becoming the way of 21st century life, and with it, the field of robotics is booming. Robots in all of their sizes, shapes, and levels of complexity are vital to our everyday lives—everything from the car you drive to the energy it runs on is dependent in some way on the power of robotics and mechanical engineering. It is a hobby camp covering LEGO robotics and coding activities. It will provide clear step-by-step instructions on how to build several unique robots, as well as extensive programming guidance, from the very basics of block programming through data wiring. The students will learn application of Robots, basic of movement, controlling of direction etc. The students will also do PCB assembly of robot, programming on computer and fusing program on microcontroller chip.

**For further queries (if any) regarding the above, please contact education cell on 23371297, 23371893, 23371945.**

**SUMMER VACATION HOBBY CAMPS-2016**

NATIONAL SCIENCE CENTRE

(NATIONAL COUNCIL OF SCIENCE MUSEUMS)

MINISTRY OF CULTURE, GOVERNMENT OF INDIA,

NEAR GATE NO.1, PRAGATI MAIDAN

NEW DELHI – 110001

**FORM NO.**

### **REGISTRATION FORM**

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| **NAME OF THE DISCIPLINE** | : | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
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| **PERIOD OF CAMP** | : | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_TIME: - 10:30 am to 01:30 pm** |
|  |  |  |
| **NAME OF THE STUDENT**  **(in Capital Letters)** | : | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_CLASS of STUDY\_\_\_\_\_\_\_\_** |
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| **SCHOOL’S NAME** | : | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
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| **SCHOOL ADDRESS** | : | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
|  |  |  |
| **NAME OF THE FATHER/MOTHER** | : | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
|  |  |  |
| **RES. ADDRESS** | : | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
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|  |  |  |
| **PHONE NO.** | : | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ MOBILE NO. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
|  |  |  |
| **E-MAIL ADDRESS** | : | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |

**We hereby declare that theinformation given above is true to the best of my knowledge and belief.**

##### Signature of StudentSignature of Parents

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**FOR OFFICE USE ONLY**

The enrolment fee may be deposited with the cashier/ticket counter. Please admit \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

in\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for the camp duration \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.His/Her registration

No. is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

E.O./Curator

Receipt No./Ticket No. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Amount received \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Dated \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Signature of Cashier /Ticket Counter staff**

**Note: -1. Issue or submission of the form is not a confirmation of enrollment for the camp. Enrollment is subject to availability of seats booked on first-come-first-served basis.**

**2. After submission of requisite fee, the filled up form need to be surrendered at cash counter. Fee receipt should be kept safely and to be produced on the first day of the camp to the course coordinator.**