DST-INSPIRE INTERNSHIP SCIENCE CAMP. 2012



Department of Science & Technology Govt. of India

In association with



Jagadis Bose National Science Talent Search Govt. of West Bengal

Science Camp Entitled:

"WHY SCIENCE?"

March 20 - 24, 2012

At JB Centre of Excellence for Student - Scientists



Jagadis Bose National Science Talent Search,

1300, Rajdanga Main Road, Kasba, Kolkata - 700 107 Phone: 2441 7542, 2442 8270 Fax: (033) 2442 8267

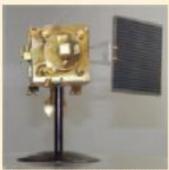
E-mail: jbnsts@gmail.com / jbnsts@vsnl.com; Website : http://www.jbnsts.org

About JBNSTS

Jagadis Bose National Science Talent Search (JBNSTS), Kolkets was conceptualized in 1958 by visionaries such as Dr. B. C. Roy, Sir J. J. Ghandy and others to commemorate the Birth Centenary Celebration of India's first modern scientist, Acharya J. C. Bose. The program was inaugurated by Pandit Jawaharial Nehru. JBNSTS is an autonomous institute promoted by the Department of Higher Education, Government of West Bengal. It is administered by a Governing Body with representatives from the State Government, academia and industry. Since 1961, JBNSTS is awarding the prestigious Jagadis Bose Scholarships to selected group of undergraduate students of science, engineering and medicine.



In the last five decades, JBNSTS has grown to become a premiere institute of non-formal science education in the eastern and northeastern States of India with the objective towards pursuit of excellence through motivation, identification and nurture of



young talented science students. It helps students to realize the importance of excellence in the scientific world and try to cultivate this in their own lives as students of science. JBNSTS also encourages students towards the learning of basic sciences and inculcates scientific spirit in the minds of young high school and undergraduate students. Focus has been on unconventional and dynamic methods of non-formal accelerated learning through "out-of-class" activities, which have led to the recognition of intellectually sensitive and inquisitive minds. Since 2004, JBNSTS has taunched an innovative middle school science Teachers Training Program which has brought into its ambit motivated teachers from the districts of West Bengal. JBNSTS has developed science kits and distributed to the teachers for demonstrating scientific principles to the middle school students in the classroom. The financial support for most of the activities of JBNSTS is provided by the Department of Higher Education & Department of Science & Technology, Government of

West Bengal, In addition, Council of Scientific & Industrial Research (CSIR), Department of Science & Technology (DST), Government of India & Industries also collaborate with JBNSTS activities.

About DST-INSPIRE Program

Innovation in Science Pursuit for Inspired REsearch (INSPIRE) is an innovative programme being implemented by the Department of Science and Technology (DST), Govt. of India. The basic objective of INSPIRE is to communicate to the youth of the country the excitement of creative pursuit of science, attract talent to the study of science at an early age and thus build the required critical human resource pool for strengthening and expanding the Science & Technology System and Research & Development base. Under the INSPIRE project Scheme for Early Attraction of Talents for Science' (SEATS) is a program to inspire talented Science students (top 1% performers in class-X board examination) into basic science streams.



A striking feature of the programme is that it does not believe in conducting competitive exams for identification of talent at any level. It believes in and relies on the efficacy of the existing educational structure for identification of talent and builds on opportunities that can be derived within the systems.

Science camps are a great way for children to explore the principles and methods of scientific research and strive to get young people interested in science at an early age. They are based on concepts of facilitated self-learning, holistic education, group activities, exchange of cross-cultural ideas, motivation towards independent thought and action and forming life-long friendships with similar minded people and established scientists. Leadership, passion and appreciation of the nature around us are invaluable characteristics for future scientists, and the Science Camp activities strive to encourage these traits.



Organizing Committee

Dr. Smarajit Manna, Student Advisor, JBNSTS

Dr. Abhiit Kar, Scientific Officer, JBNSTS

Chief Patron: Dr. A. Mukhopadhyay, DST, Govt. of India

Academic Committee:

Prof. (Dr.) Papiya Nandy, Hony. Director, JBNSTS

Dr. Paromita Roy, Dy. Director, JBNSTS

Mentors

Dr. Kankan Bhattacharya

Professor and Director Indian Association for the Cultivation of

Science, Kolkata

Dr. Sushanta Dattagupta

Professor and Vice-Chancellor Visva-Bharati University

Santiniketan, Birbhum, West Bengal

Dr. Ashesh Nandy

Centre for Interdisciplinary Research &

Education, Kolkata

Shri G S Rautela

Director General

National Council of Science Museums,

Kolkata

Dr. Partha Deb Ghosh

Professor

Department of Botany Kalyani University, Nadia

Dr. Indranath Sengupta

Professor

Department of Mathematics Jadavpur University, Kolkata

Dr. Kalyan K. Mukherjee

Professor

Department of Botany Bose Institute, Kolkata

Dr. Rajat Majumder

Associate Professor Geological Studies Unit

Geological Studies Unit Indian Statistical Institute, Kolkata Dr. Abhijit Kar

Scientific Officer, JBNSTS, Kolkata

Dr. Smarajit Manna

Student Advisor, JBNSTS, Kolkata

Dr. Kamal Kr. Bardhan

Senior Professor

Experimental Condensed Matter Physics

Division

Saha Institute of nuclear Physics, Kolkata

Dr. Utpal Kr. De

Professor

School of Environmental Studies

Jadavpur University, Kolkata

CAMP RULES

Welcome to the Science Camp "WHY SCIENCE?"

Here you will have a unique experience of learning science through active interaction with great scientists and be encouraged to share your ideas with others. No test/grade—only learning science in a different way.

Please note the following points carefully:

- The camp hours are from 09:30 a.m. to 5:00 p.m. You are to attend all the sessions in your school uniform. MOBILE PHONES MUST BE KEPT IN SWITCH OFF MODE DURING ALL ACADEMIC SESSIONS.
- You are required to submit an attested copy of your X[®] Standard Board Examination Mark Sheet, held in 2011, during the morning registration on 21st March, 2012 at registration desk.
- You are required to fill up the STUDENT'S INFORMATION SHEET & FEED BACK SHEET and submit it on 24th March, 2012 at registration desk during afternoon registration.
- Travel bills (bus, auto and / or train fare only) are to be submitted on 23rd March, 2012 during 01,00 p.m. 02.00 p.m. (during afternoon registration at Science City). Your reimbursement will be made on 24th March, 2012 between 01.00 p.m. to 02.00 p.m.
- All students of the Science Camp will receive a book grant of Rs.1,0004 to purchase science books. You have been given a list of suggested books. You are most welcome to purchase science books of your choice and submit the bill(s), authorized by respective Headmaster/ Headmistress, for reimbursement latest by April 05, 2012.
- 6. All the participants will be divided into groups. There will be a group leader for each group selected by group members of each group. On 24th March, 2012, there will be a session for Project Presentation by the participating students. Each group has to prepare a scientific project on formulation of a innovative problem of their choice (Details are given in Annexure I) and will have to present in front of the judges' bench (Power-point /chalk & talk) during 02:00 p.m. 05:00 p.m. on that day. Each group will get 10 minutes for presentation and 5 minutes for discussions.
- You will not be given any home work, but you are expected to interact freely with the experts, your group members and other groups.
 On the last day i.e. 24th March, 2012 you will receive the Participation Certificate,

Name of the participating schools:

Calcutta Girls' High School
Don Boeco High School, Likuah, Howrah
St. Augustina's Day School, Barrackpore
W.W.A. Cossipore English School, Kolkata
The Heritage School, Anandapur, Kolkata
Central Modern School, Baranagar, Kolkata
Dehi Public School, Kasba, Kolkata
Apenjay School, Salt Lake, Kolkata



St. Xavier's Collegiate School, Park Street, Kolkata Calcutta International School, Anandapur, Kolkata St Thomas Boys' School, Kolkata M C Kejriwal Vidyapeeth, Liluah, Howrah Indira Gandhi Memorial High School, Dum Dum, Kolkata Calcutta Boys' School, Kolkata Delhi Public School Megacity, Kalikapur, Kolkata



BRIEF INTRODUCTION TO THE EXPERTS

DR. PAPIYA NANDY

Prof. Papiya Nandy received her Masters degrees in Physics from University of Calcutta and University of California at Santa Barbara and Ph.D. on Liquid Crystals from Kent State University, USA. Her post-doctoral work was in Experimental Biophysics from Max Planck Institute, Gottingen, Germany. Later she was Associate Professor of Physics in University of Ulm, Germany. She joined Physics department in Jadavpur University and besides teaching for more than 35 years in the Science and Engineering faculties, she was and still is in charge of several research projects. Her field of research encompasses membrane biophysics, numerical analysis of DNA and protein sequences and application of Nanomaterials in ceramics and bio systems. She has more than hundred research publications in peer reviewed journals and 3 patent awards. She has guided 12 Ph.D. Thesis and 20 Masters Thesis. She is currently the Emeritus Fellow of Jadavpur University and the Horry. Director of JBNSTS, of which she is a scholar from the first batch in 1960. Here her objective is to make JBNSTS a vibrant and dynamic institute and to motivate, identify and nurture young talented science students and establish the base of Scientific enquiry and culture of temporary.

DR. KANKAN BHATTARCHARYA

Dr. Kankan Bhattacharyya, is presently the Director and Chair Professor, Department of Physical Chemistry, Indian Association for the Cultivation of Science, Kolkata. He did his Ph. D. from IACS in 1984 and went for Post-doc at Notre Dame University, USA and Columbia University, USA. Prof. Bhattacharyya joined IACS as a faculty and occupied in several positions like Senior lecturer, Reader, Professor and Senior Professors. His current research interest includes Solvation dynamics, Femtosecond Up-conversion, Energy Transfer (FRET), Picosecond single photon counting, Proton/Electron Transfer, Confocal microscope and fluorescence life time imaging, etc.

DR. SUSHANTA DATTAGUPTA

Prof. Susanta Dattagupta is presently the Vice Chancellor of Visva-Bharati University, Santiniketan. He did his B.Sc. (Physics Honours), M.Sc. (Physics) from Calcutta University and Ph.D. from Brookhaven National Laboratory, St. John's University, New York. His distinguished academic career includes the positions such as Lecturer in Physics, Presidency College, Kolkata, Post-Doctoral Fellow, Carnegie-Mellon University, Pittsburgh & Senior Research Associate, University of Alberta, Scientific Officer, Materials Science Laboratory, Indira Gandhi Centre for Atomic Research, Kalpakkam, Reader, School of Physics, University of Hyderabad, Professor and Dean, School of Physical Sciences, JNU, New Delhi, Director, S.N. Bose National Centre for Basic Sciences, Selt Lake, Kolkata, Director, Indian Institute of Science Education and Research (IISER), Kokata. Dr. Dattagupta is an honorary professor of Jawahartal Nehru Centre for Advanced Scientific Research and adjunct professor of IISER, Pune. He got several awards and honors including Young Scientist Medal, Indian National Science Academy, Alexander von Humboldt Fellowship, Bibharani Devi Prize of Calcutta University, DAE Raja Ramanna Award of the Jawahartal Nehru Centre for Advanced Scientific Research, Meghnad Saha Memorial Award of the National Academy of Sciences, Allahabad, C.V. Raman Birth Centenary Award, J. C. Bose Fellowship of the Department of Science & Technology, India, etc. His research interests are Non-equilibrium Statistical Mechanics, Dissipative Quantum Systems, Nanomaterials, Fluctuation Spectroscopy and Quantum Optics,

DR. ASHESH NANDY

Dr. Ashesh Nandy is currently associated with Center for Interdisciplinary Research and Education, Kolkata. He is a member of the Condensed Matter Physics Research Centre, Jadavpur University. He did his B.Sc. and M.Sc. in Physics from Calcutta University and received his Ph.D. from University of California, Santa Barbara, USA. He was a postdoctoral fellow of Syracuse University, U.S.A. Max plank Institute, Goettingen, Germany. He was associated with the Computer Division of Lipton India Lid and IICB, Kolkata, School of Environmental Sc., Jadavpur University as Visiting Scientist. He was a recipient of several scholarships: Earle C Anthony Fellowship from University of California, Max Plank Institute fellowship and is a JBNSTS scholar of first batch. His current research interest focuses on bioinformatics.

SHRI GANGA S RAUTELA

Mr G S Rautela, born on February 14, 1954 in a small village of Bageshwar district of Uttarakhand, is currently the Director General of the National Council of Science Museums, the creater of the network of 50 science centres in India. Prior to this he was the Director of Science City, Kolkata and Director of Nehru Science Centre, Mumbai, Project Co-ordinator of Hall of Science, Technology and Energy, New Delhi and Regional Science Centre, Bhopal. After obtaining masters degree in Physics from Kumaun University he did his research work in Science Education at the National Council of Educational Research and Training, New Delhi and thereafter chose to become a science communicator. He joined the National Council of Science Museums, Kolkata in 1979 and worked in various science museums and centres across the country in various capacities. During his career spanning over 35 years in science education and communication, he has contributed to the development of number of science centres in the country, creation of hands-on and minds-on science exhibits, eachers and general public. His area of research has been 'Learning of science in non-formal Setting'. He is associated with number of organisations engaged in enhancing public understanding of science. He is currently engaged in science education research' literacy programmes and proliferation of non-formal science education initiative of Govt. of India. He has largely devoted his time in improving the quality of science education in schools and colleges through hands on and minds on approach. He is also associated with International Science & Engineering Fair, a programme to promote innovation of young students, since its launch in India in 1998 by Intel.

Shri Rautela also is very active in the museum field at national and international level. He served as chairman of the International Committee on Museum Education and Cultural Action of the International Council of Museums (Paris) and presently the Secretary of ICOM-India Trust. He is also the member of the International programming Committee of the Science Centre World Congress. Shri Rautela is the fellow of the West Bengal Academy of Science and Technology. He is also a member of governing boards of number of educational institutions, science centres and planetariums, science academies in the country. He has published over 55 articles, research papers and monographs on science education and science centre/museum management issues. He is recipient of "Vidya Bhushan" of the DAV Education Society, Merit Certificate from Indian Society of Lighting Engineers and Science and Technology Excellence Award from the Govt. of Uttarakhand for his work in science communication.

DR. PARTHA DEB GHOSH

Dr. Partha Deb Ghosh is Professor of Botany at the Department of Botany, University of Kalyani, West Bengal and worked in the field of plant genetics and Biotechnology. He has done extensive work on in vitro culture, genetic transformation of plants, molecular markers and supervised research of Masters and Doctoral students. He has published 3 books/ manuals on plant genetics and biotechnological aspects and published more than 270 research papers in different national and international journals. Dr. Ghosh has availed fellowship offered by UGC indo-Uk exchange programme (1977-78), DST young scientist awards(1984), DBT training programme. He is fellow of Linnean society (London), association of plant tissue culture and biotechnology (India). Dr. Ghosh has awarded INSA gold medal for outstanding contribution of plant tissue culture and mutation research, life time achievement award by DST and honoured by different universities.

DR. INDRANATH SENGUPTA

Dr. Sengupta is a professor of Mathematics in Jadavpur University and associated with Ramakrishna Mission Vivekananda University, Beiur. He has completed his B.Sc. & M.Sc. from Jadavpur University and received his Ph. D. degree from Indian Institute of Science, Bangalore in the year 2001. Dr. Sengupta is a recipient of the BOYSCAST post doctoral fellowship of the DST, Government of India and research fellowship of the University of Valladoild, SPAIN. He was a Post-doctoral Fellow at University of Utah, USA and visiting faculty at University of Missouri, Columbia, USA. Research interests of Dr. Sengupta include Algebra (Commutative Algebra) & Geometry.

DR. RAJAT MAJUMDER

Dr. Rajat Mazumder is currently Associate Professor, Geological Studies Unit, ISI, Kolkata. He did his B.Sc. in Geology (Hons.) from Burdwan University, M.Sc. in Applied Geology from Allahabad University and Ph. D. from Jadavpur University. Dr. Mazumder was associated with various renowned institutes such as Department of Earth and Environmental Sciences, Munich University, Munich, Germany, Geological Institute, Yokohama National University, Japan and The Institute of Geoscience Research, Department of Applied Geology, Curtin University of Technology, Australia. He occupied several distinguished positions such as Lecturer, Ashutosh College, Kolkata, Assistant Professor, IIT, Roorkee. Dr. Mazumder got several awards and fellowships such as National Merit Scholarship by the Ministry of Education, Government of India, Japan Society for the Promotion of Science (JSPS) Post Doctoral Fellowship, Alexander von Humboldt post-doctoral fellowship by Humboldt Foundation, Germany, etc. His research interests include Clastic Sedmentology, Precambrian Geology.

DR. KALYAN K. MUKHERJEE

Dr. Kalyan K. Mukherjee is presently Professor, Botany Department, Bose Institute, Kolkata. He did his PhD from University of Calcutta in 1974. His research interests include resource survey analysis of wild gene pool for isolation and characterization of rovel chemical compounds and / or useful traits for subsequent introgression into the existing cultigen either through conventional breeding or biotechnological approach are the areas of research, understanding species relationship and the mode of speciation and evolution of chemopodiacious plants, etc.

DR. ABHIJIT KAR

Dr. Abhijit Kar received his Bachelors and Masters in Chemistry. He did his PhD in Science (Chemistry) from Jadavpur University. Dr. Kar has carried out his postdoctoral research in different parts of the world and developed very high aptitude towards cutting edge research. He did his Post Doctoral research at South Korea, Switzerland. & visiting scientist at Germany. His current research interest comprises of Application of Nanotechnology for Micro-Electronics, Nanostructured composites and Energy Devices. He has developed expertise on different materials characterization techniques e.g. SEM, TEM, XRD, EPMA & Mechanical Property evaluation of materials. Dr. Kar has published 32 research papers in SCI Journals & contributed in book chapter on electron microscopy. He is reviewer of many International Peer Reviewed Journals. He is also recipient of National Scholarship and CSIR-SRF. He is currently working as Scientific Officer of JBNSTS and looking after different academic and research activities and Laboratory set up of JBNSTS.

DR. SMARAJIT MANNA

Smarajit Manna did his B.Sc and M.Sc in Physics. Worked as Junior Research Fellow and Senior Research Fellow at Jadavpur University and Delhi University South Campus respectively and received his Ph.D. degree from Jadavpur University Currently working as Student Advisor at JBNSTS, Kokata. His research interest includes conduction mechanism through biological membranes and the underlying dynamics. His research interests are Statistical analysis of dynamical systems and Bio-informatics. Dr. Manna has 8 research publications in national and international journals and he is one of the authors of the book chapter "Electrical noise in cells, membranes and neurons in: Understanding Complex Systems", Springer Berlin/ Heidelberg. He is working as Student Advisor of JBNSTS and apart from guiding students he is carrying out different academic and research work

DR. KAMAL KUMAR BARDHAN

After a long service of about 26 years, Dr. Kamai Kumar Bardhan retired from Saha Institute of Nuclear Physics, Kolkata as Senior Professor. He did his B.Sc. in Physics from Calcutta University, M.Sc. in Physics from Delhi University and Ph.D. from Camegie—Mellon University, USA. Then he worked as a poet doctoral fellow at Simon Fraser University, Canada. Dr. Bardhan visited several places for delivering lectures and attending meetings and conferences such as Russia, Taipei, Italy, France and Beijing. He got National Merit Scholarship and also received scholarship for research by Stichtung Fund (Schlumberger). His research interests include Nonlinear Transport (including breakdown) in disordered systems, Low-frequency Noise in conductors, Soft Matter Physics, Material Processes and Ortical Phenomens. Dr. Bardhan has published about 36 papers in International journals.

DR. UTPAL KR. DE

Dr. U. K. De is basically a Physicist turned Environmentalist cum Atmospheric Scientist. He passed M. Sc. in Pure Physics from Calcutta University in 1965. He got his D. Sc degree on General Theory of Relativity and Cosmology in 1976 from the same University. For his professional career, he joined Kalyani University as a Lecturer in Physics in April, 1986 and came to Jadavpur University in September, 1968 on a similar capacity. He became a Reader and then Professor in the Physics Department of Jadavpur University. In 1998, he went over to the School of Environmental Studies of the same University as Professor. He retired from Jadavpur University on August 31, 2009. Thereafter he obtained Emeritus Fellowship from AICTE, Govt. of India and his association with Jadavpur University still continues. At the moment, he is deeply involved in studying the pre-monsoon and monsoon weather, role of aerosols in the atmosphere and CO₂ transport modeling.

"WHY SCIENCE?"

Day to Day Program

	Day to Day Program
Day 1: Tuesday, March	20, 2012
09:30 a.m 10:00 a.m.	Registration
10:00 a.m 11:00 a.m.	Welcome Address by the Director, JBNSTS and Orientation
11:00 a.m 12:00 noon	CD Show
12:00 noon - 01:00 p.m.	Inaugural Lecture on "Education: The Legacy of Rabindranath"
	Dr. Sushanta Dattagupta, Professor and Vice Chancellor
	Visva-Bharati University, Santiniketan, Birbhum
01:00 p.m 02:00 p.m.	Lunch & Interaction
02:00 p.m 03:30 p.m.	"Team Spirit in Science"
	Dr. Ashesh Nandy, Center for Interdisciplinary Research and Education, Kolkata
03:30 p.m 05:00 p.m.	"Creativity & Innovation"
	Shri Ganga S Rautela, Director General, National Council of Science Museums, Kolkata
Day 2: Wednesday, Ma	rch 21, 2012
09:30 a.m 10:00 a.m.	Registration (Submission of attested copy of Xth Standard Board Examination Mark Sheet)
10:00 a.m 01.00 p.m.	"DNA fingerprinting and its application in medical science, forensic science and crop
	improvement"
	Dr. Partha Deb Ghosh, Professor, Department of Botany, Kalyani University, Kalyani
01:00 p.m 02:00 p.m.	Lunch & Interaction
02.00 p.m 03:30 p.m.	"The Chinese Remainder Theorem"
	Dr. Indranath Sengupta, Professor, Department of Mathematics, Jadavpur University, Kolkata
03:30 p.m 05:00 p.m.	"Ancient Tide and Earthquake: Evidence from Jharkhand, India"
	Dr. Rajat Majumder, Associate Professor, Geological Studies Unit, Indian Statistical Institute, Kolkata
Day 3: Thursday, March	h 22, 2012
09:30 a.m 10:00 a.m.	Registration
10:00 a.m 11:30 a.m.	Motivational Lecture
	Dr. Kalyan K. Mukherjee, Professor, Department of Botany, Bose Institute. Kolkata
11:30 a.m 01:00 p.m.	"Single Molecule Spectroscopy"
	Dr. Kankan Bhattacharya, Professor and Director,
Taka Markin Toron Banda (1991)	Indian Association for the Cultivation of Science, Kolkata
01:00 p.m 02:00 p.m.	Lunch & Interaction
02.00 p.m 05:00 p.m.	Hands-on Experiments at JBNSTS Laboratory
	Dr. Abhijit Kar, Scientific Officer, JBNSTS & Dr. Smarajit Manna, Student Advisor, JBNSTS
Day 4: Friday, March 2	3, 2012
09:30 a.m 09:45 a.m.	Registration at Science City, Kolkata
10:00 a.m 01:00 p.m.	Educational Visit to Science City
01:00 p.m 02:00 p.m.	Lunch & Interaction (Submission of Travel Bill)
02:00 p.m 04:30 p.m.	Continuation of Educational Visit to Science City
Day 5 : Saturday, March	24 2012
09:30 a.m 10:00 a.m.	Registration
10:00 a.m. — 11:30 a.m.	"Connectivity in Nature"
10.00 a.m 11.00 a.m.	Dr. Kamal Kr. Bardhan, Senior Professor, Experimental Condensed Matter Physics Division
	Saha Institute of nuclear Physics, Kolkata
11:30 a.m 01:00 p.m.	"Weather and Climate"
VALUE OF THE PROPERTY OF THE P	Dr. Utpal Kr. De, Professor, School of Environmental Studies, Jadavpur University, Kolkata
01:00 p.m 02:00 p.m.	Lunch & Interaction (Submission of Information cum Feedback sheet during afternoon
100	Registration and reimbursement of Travel Bill)
02.00 p.m 04:00 p.m.	Project Presentation by the Participants

A DST-JBNSTS Science Camp

"WHY SCIENCE?"

(20th – 24th March, 2012) JB Centre of Excellence for Student-Scientists, 1300, Rajdanga Main Road, Kasba, Kolkata 700 107

Paste Stamp-size Photograph here

Student's information sheet
Name of the student (in block letters):
Permanent address:
Contact Number: Landline - Mobile -
E-mail (mandatory):
E-mail (mandatory): School's name (in block letters) & Address with pin code, phone no & email-id:
Percentage of marks obtained in the 10th standard Board examination held in 2011:
Percentage of marks obtained in science subjects:
Favorite subject:
Who is your role model in science?
Would you like to pursue a career in science?
What is your expectation from a science camp?
स जीवति मनो यस्य मननेन हि जीवति
Have you heard about JBNSTS before the camp? How?
Signature of Student

A DST-JBNSTS Science Camp

"WHY SCIENCE?"
(20th - 24th March, 2012) JB Centre of Excellence for Student-Scientists,

1300, Rajdanga Main Road, Kasba, Kolkata 700 107
Feedback sheet
Name of the student (in block letters):
School's name (in block letters) & address with pin code, phone no. & email-id:
What is your opinion about this science camp? Which of the sessions have you enjoyed more and why? How does it
motivate you to pursue your future?
A COLLAND OF THE PROPERTY OF T
Your comments on how the science camp could have been made better?
Signature of Student