

Science Camp with hands on experiment for School Students involving surrounding schools organised by Institute / Colleges / Schools / Registered NGO / Trustees

ORGANISING COMMITTEE

Dr. Arpita Mukerji
Principal

Dr. Supratim Das
Vice principal

Dr. Indrani Kar
IQAC Co-ordinator

Dr. Amitava Roy
Convener

Dr. Partha Pal
Joint Convener

Dr. Malabika Chakraborty
Joint Convener

RESOURCE PERSONS

All the faculty members of
Botany, Microbiology,
Zoology Departments

Programme Schedule

DAY - 1 (8th August)

9:30 AM - 10:00 AM : Registration

10:00 AM - 10:30 AM : Inaugural Session
Dr. Arpita Mukerji
Principal, Scottish Church College

10:30 AM - 10:45 AM : Tea Break

10:45 AM - 12:00 Noon : 1st Technical Session

12:00 Noon - 1:30 PM : 2nd Technical Session

1:30 PM - 2:00 PM : Lunch Break

2:00 PM - 4:00 PM : 3rd Technical Session

DAY - 2 (9th August)

10:15 AM - 11:30 AM : 1st Technical Session

11:30 AM - 12:00 Noon : Tea Break

12:00 Noon - 1:30 PM : 2nd Technical Session

1:30 PM - 2:00 PM : Lunch Break

2:00 PM - 4:00 PM : 3rd Technical Session

DAY - 3 (10th August)

10:15 AM - 11:30 AM : 1st Technical Session

11:30 AM - 12:00 Noon : Tea Break

12:00 Noon - 1:30 PM : 2nd Technical Session

1:30 PM - 2:00 PM : Lunch Break

2:00 PM - 4:00 PM : 3rd Technical Session

4:00 PM - 5:00 PM : Valedictory Session

Feedback from Participants
Experience Sharing
Certificate Distribution
Vote of Thanks

Science Camp for Students Skill Development Training Programme

Sponsored by :

West Bengal State Council of
Science and Technology
Govt. of West Bengal

Or

Role of Modern Biological Science in Human Welfare - An Exposure for +2 Level Students 8th to 10th August, 2019



Estab. : 1930

Organised by :

DEPARTMENTS OF BOTANY, MICROBIOLOGY & ZOOLOGY

Scottish Church College

1183, URQUHART SQUARE, KOLKATA-700 006, WEST BENGAL



About the Science Camp

The camp entitled "The role of Biological Sciences in human welfare" has the objective to demonstrate the school students of +2 level, the scientific experiments done at undergraduate classes in colleges. The students theoretically learning about the techniques in schools will be shown 'Hands-on' practically in this camp which will provide an impetus about biological sciences. Among the various experiments few are selected for demonstration which have relevance to these students and human welfare.

The immuno-histochemical methods based on histological parameters, are utilized for the detection of cancer at early stages. Mosquito identification has been of immense importance recently due to the various diseases caused by it. These along with museum specimen study would be undertaken in Zoology section.

The molecular biological tools namely PCR, Restriction Enzyme digestion which are useful technology for detecting human genetic disorders, forensic investigations and many other gene manipulating experiments will be shown. Staining of bacteria, microscopic observation and characterisation using suitable biochemical methods would be interesting to students too. Further microbial analysis of water, which can be a potent source in the

spreading of infectious diseases, will be demonstrated in Microbiology.

Pigment separation, enzyme analysis, and artificial means for generating plants through tissue culture along with DNA isolation, electrophoresis, PCR, are being presently used to produce better crop varieties. This along with fossils study and visit to medicinal plants garden, are included in the Botany section.

At the +2 level syllabus, several topics on modern biology are present but an insight and exposure to these topics through experiments will generate interest in young minds.

Furthermore the efforts perhaps will encourage students to take up biological sciences in their career other than physical and computer sciences. Thus science camp will impart knowledge to the students regarding the present status and uses of the biological techniques which can open up opportunities for future research in this field both at regional and national level.

Important information

- The student should come in school uniform in the designated time
- Registration form will be scrutinized & selected candidates will be intimated
- Filled Registrations form duly signed should reach college within 24th July 2019 (Wednesday)

Registration form

(LAST DATE OF REGISTRATION 24.07.2019, Wednesday)

Name of Student (in capital letters):

Class: Section:

School:

Mailing Address :

Contact No. :

E-mail :

Date:

Place :

Signature of the Student

Signature of Headmaster
(with Seal)

Signature of Class Teacher

Contact Address

Scottish Church College

1 & 3, Urquhart Square, Kolkata-700 006

Phone : 033-2350 3862

website : www.scottishchurch.ac.in

Contact No. : 9433590282 (Convenor)

e-mail: scottish.cal@gmail.com

arbotn@scottishchurch.ac.in

FORM CAN BE PHOTOCOPIED FOR REGISTRATION

Scottish Church College

College with Potential for Excellence (UGC)



ESTD. 1830

1 & 3 Urquhart Square, Kolkata-700 006
Ph: 033 2350 3862 Fax: 033 2350 5207
Website: www.scottishchurch.ac.in
e-mail: tic@scottishchurch.ac.in

To,

Date:

The Headmaster/Headmistress / Principal

.....
.....

Subject: Invitation for the students of class XI and XII to participate in the 3-day workshop on Biological Sciences

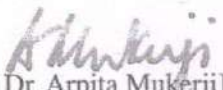
Greetings from Scottish Church College.

I am happy to inform you that a 3-day workshop on Biological Sciences will be held in our college in the first week of August 2019. We invite 3-4 students of the Higher Secondary Class pursuing science with Biology as one of the subjects, to participate in the above mentioned workshop. Incidentally, this is a Department of Higher Education [DHSTBT] Govt. of West Bengal, programme organized jointly by three departments of the college: Botany, Microbiology and Zoology and sponsored by West Bengal State Council of Science and Technology, Govt. of West Bengal.

Through this course, the students would be exposed to modern ideas and techniques in Biological Sciences. Related apparatus and experimentation would be demonstrated to them in the college laboratories. It is an endeavour to benefit the students and generate interest in them to take up Biological Sciences in future for higher studies.

Further, I would request you to kindly forward the names of the participating students from your school along with one accompanying teacher. After successful completion of the Workshop, participation Certificates will be awarded. The students will be served tea and working lunch during the workshop.

Looking forward to your institution's participation.


[Dr. Arpita Mukerji]
Principal



Group photo of opening session



Group photo after valedictory session



Estid : 1830

Scottish Church College

College with Potential for Excellence (UGC)
1 & 3 Urquhart Square, Kolkata - 700006



Certificate of Participation

This is to certify that
of
participated in a
Science Camp for Students Skill Development Training Programme on "Role of
Modern Biological Science in Human Welfare - An Exposure for +2 Level Students"
sponsored by West Bengal State Council of Science and Technology, Govt. of West
Bengal, organised by the Departments of Botany, Zoology and Microbiology, Scottish
Church College from 8th to 10th August, 2019.

A Mukerji

Dr. Arpita Mukerji
Principal

Supratim Das

Dr. Supratim Das
Vice Principal

Dr. Indrani Kar

Dr. Indrani Kar
Co-ordinator

Dr. Amitava Roy

Dr. Amitava Roy
Convener





Date: 10th August 2019

To whom it may concern

This is to certify that Amradha Bhattacharjee of
Belhune Collegiate School, attended Science Camp for
Students Skill Development Training Programme on "Role of Modern Biological Science in Human
Welfare - An Exposure for +2 Level Students" sponsored by West Bengal State Council of Science
and Technology, Govt. of West Bengal, organised by the Departments of Botany, Zoology and
Microbiology, Scottish Church College on 8th and 10th August, 2019.

[Dr. Arpita Mukerji]
Principal

Principal
Scottish Church College
Kolkata



Scottish Church College
SCIENCE CAMP FOR STUDENTS SKILL DEVELOPMENT.

(WBST sponsored Science camp)

8th to 10th August

Feedback Form

Thank you for attending the WBST sponsored Science camp. We hope that you found the programme interesting and that we met your expectations. We would be very grateful if you could take a moment to complete the evaluation form. Your comments will assist us in improving future activities that we will organize.

SCALE: 1- STRONGLY AGREE; 2- AGREE; 3- NEUTRAL; 4- DISAGREE; 5- STRONGLY DISAGREE
Please tick the appropriate number for all statements & provide feedback in the comments box

	1	2	3	4	5	Comments
1. The workshop met its stated aims and objectives.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. The sessions were presented in a clear and organized manner.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. The event was scheduled at a suitable time.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. The camp was paced appropriately.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. The experimental facilities were appropriate and satisfactory.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. The hospitality including food was appropriate and satisfactory.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. The scientific sessions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Extremely Interesting.
8. The camp will be helpful for future career.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9. Overall, the sessions were informative and valuable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10. What aspects of the camp, if any, would you change in future? Why?	I would have included more practicals that could have been performed by students themselves					
11. Which session of the event did you find most useful? & why?	The practical demonstration and explanations were very elaborate and interesting					
12. Do you have any suggestions for future workshop?						
13. What new skills have you learnt from the event that you think you will be able to put into future studies?	The studies on careers have triggered my interest in the subject and I wish to research more on it					

Name (optional) : Angelica De

Dated: 10/08/19

[Savitri Girls High School]

Registration form

(LAST DATE OF REGISTRATION 24.07.2019, Wednesday)

Name of Student (in capital letters):

..... SOUMILI GHOSH

Class: XI Section: SCIENCE

School: PRATT MEMORIAL SCHOOL

Mailing Address : 39, BIPLABI PULIN

..... DAS STREET KOLKATA-700009

Contact No. : 9830152375

E-mail : prattmemorialschool@yahoo.in

Date: 23.07.19

Place: KOLKATA

..... Soumili Ghosh
Signature of the Student

.....
Signature of Headmaster

(with Seal)

Lady Principal
PRATT MEMORIAL SCHOOL

.....
Signature of Class Teacher



Contact Address

Scottish Church College

1 & 3, Urquhart Square, Kolkata-700 006
Phone : 033-2350 3862

website : www.scottishchurch.ac.in
Contact No. : 9433590282 (Convenor)
e-mail: scottish.cal@gmail.com
arbotn@scottishchurch.ac.in

FORM CAN BE PHOTOCOPIED FOR REGISTRATION



WEST BENGAL STATE COUNCIL OF SCIENCE & TECHNOLOGY

Bhaskar Bhawan • North Block (4th Floor) • Salt Lake • Kolkata - 700 091

Phone : (033) 2334 2969, 2334 4616, 2321 1342, 2569 3720 • Fax : (033) 2334 4616

পশ্চিমবঙ্গ রাজ্য বিজ্ঞান ও প্রযুক্তি সংসদ

বিকাস ভবন • উত্তর ব্লক (৪র্থ তলা) • বিমানঘাটা • কোলকাতা - ৭০০ ০৯১

ফোন : (০৩৩) ২৩৩৪ ২৯৬৯, ২৩৩৪ ৪৬১৬, ২৩২১ ১৩৪২, ২৫৬৯ ৩৭২০ • ফ্যাক্স : (০৩৩) ২৩৩৪ ৪৬১৬

No. 202/WBSCST/F/0658/18

Date: 27.05.2019

From,
Dr. Sharmistha Paul
Senior Scientist

To
Dr. Arpita Mukherji
Teacher-in-Charge
Scottish Church College
1&3 Urquhart square
Kolkata 700006

**Sub: Sanction letter for organizing "Role of Modern Biological Sciences in Human Welfare-
An Exposure for +2 Level Students" at Scottish Church College in Kolkata**

Sir,

In response to your proposal for holding "Role of Modern Biological Sciences in Human Welfare-An Exposure for +2 Level Students" at Scottish Church College in Kolkata, I am directed to inform you that submitted proposal has been accepted.

In this regard, Rupees One Lakh (Rs.1,00,000/-) has been sanctioned and released as per following budget break up:

BUDGET BREAK-UP

Sl. no.	Items required with justification and rate	Grant sanctioned by DSTBT,GOWB
1.	Honorarium to Resource Persons/ Experts	10,000/-
2.	Training/ Study materials, Consumables expenses,	25,000/-
3.	Hall rent, if any (documents to be submitted)	5,000/-

4.	Publicity materials	4,000/-
5.	Travel expenses	8,000/-
6.	Documentation expenses including audio-visual systems	7,000/-
7.	Light refreshments	35,000/-
8.	Auditors' fee (if any)	3,000/-
9.	Other expenses, if any (please specify)	3,000/-
Grand Total Expenditure		1,00,000/-

W.B.S.C.S.T./ DSTBT, GOWB is not liable to bear extra cost related to organisation of this camp.

A Statement of Expenditure (S.O.E.) and Utilization Certificate (U.C.) as per sanctioned head along with original bills, duly certified by you and complete report (both hard and soft copy with photographs) within one month after completion of the programme need to be submitted to this Office.

Yours faithfully,

[Signature]
M. S. Paul

