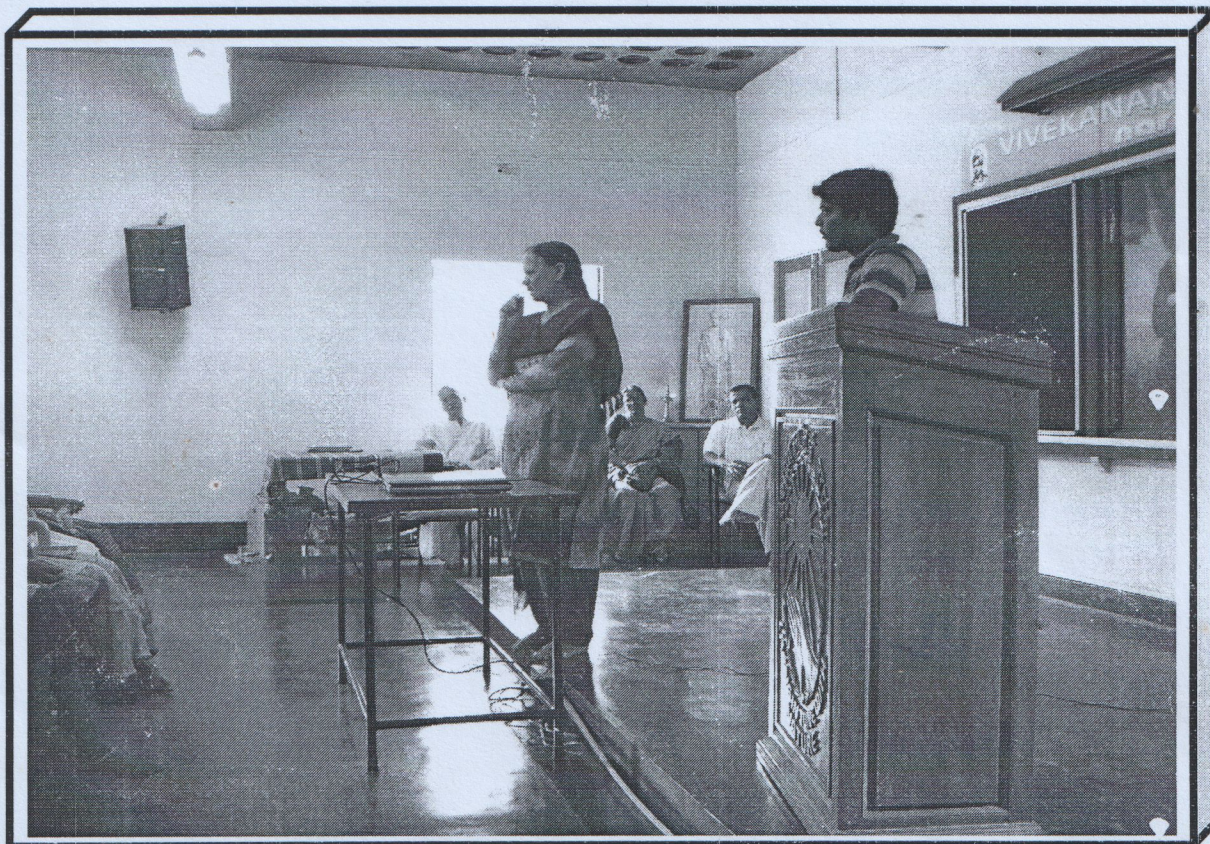


Workshop for "Students to Create a Scientific Temper"

Date : 17.05.2010 - 21.05.2010



Organised by : Vivekananda Kendra - *nardep*
Technology Resource Center
Kanyakumari - 629 702.

Sponsored by: Department of Science &
Technology,
New Delhi.

Workshop for students to create a scientific temper

01. **Name of the Organisation** : Vivekananda Kendra - NARDEP
Kalluvillai, Kanyakumari District
02. **Sponsored by** : Department of Science and Technology
New Delhi.
03. **Duration** : Five days
04. **Dates** : 17.05.2010 - 21.05.2010
05. **Place** : Technology Resource Center, Kalluvillai,
Kanyakumari District, Tamilnadu.
06. **Participants** : **54 - (Annexure - I)**
07. **Communication Method** :
1. Interactive Lectures
2. Discussion
3. Experiments
4. Making toys having scientific principles
08. **Syllabus** : Science experiments suitable for 6 - 11 Standard
students - **Annexure - III**
09. **Programme Schedule** : **Annexure - IV**
11. **Resource Persons** : **Annexure - II**



Annexure I

Workshop for Students to Create a Scientific temper

Date : Technology Resource Center, Kalluvillai

Date : 17.05.2010 - 21.05.2010

Participants list

S.No	Name and address	Signature
1	N. SATHYA, XI, Thampithottam H. b. b, Gandhigram - 624 302.	N. Sathya.
2	N. DEVI IX Thampithottam H. b. b, Gandhigram - 624 302	N. Devi
3	V. ATHILAKSHMI, IX, Thampithottam H. b. b, Gandhigram - 624 302.	V. Athilakshmi.
4	A. JEYA CHITRA, X, Thampithottam H. b. b, Gandhigram - 624 302	A. JAYA chitra
5	S. SHAKE PARVEEN IX, Thampithottam H. b. b, Gandhigram - 624 302	S. Shake Parveen
6	S. KARPAGAM, IX, Thampithottam H. b. b, Gandhigram - 624 302	S. Karpagam
7	M. AMUTHA, VII, Thampithottam H. b. b, Gandhigram - 624 302.	M. Amutha
8	B. SHANMUGAPRIYA, VIII, Thampithottam H. b. b, Gandhigram - 624 302.	B. ShanmugPriya.
9	K. VITHYA IX Thampithottam H. b. b, Gandhigram - 624 302.	K. Vithyalakshmi

10	M. JAYALAKSHMI, Thampithottam H. b. b, Gandhigram-624 302	VI	M. Jayal Lakshmi M. Jayal ^{K.S} Lakshmi
11	G. JEYA MEENA, Thampithottam H. b. b, Gandhigram- 624 302	IX	G. Jayameena
12	G. KALA RANI, Thambithottam H. b. b, Gandhigram.	VII	G. Kal. Rani
13	R. KANCHANA Thambithottam H. b. b, Gandhigram.	VII	R. Kanchana
14	R. PRIYADHARSINI, Gandhigram primary school, Gandhigram.	V	R. Priyadharsini
15	R. PRIYA, Gandhigram primary school, Gandhigram.	V	R. Priya R. Priya
16	J. RANI Thambithottam H. b. b, Gandhigram.	VI	J. Rani
17	I. ISAKKI Thambithottam H. b. b, Gandhigram.	VII	I. Isakki
18	M. KEERTHANA Thambithottam H. b. b, Gandhigram	VI	M. Keerthana
19	R. KAVITHA Thambithottam H. b. b, Gandhigram.	VIII	R. Kavitha
20	P. MOHAMED ALI, Gandhigram primary school, Gandhigram.	V	Mohamed Ali P

21	B. PRIYA, VIII, Thampithottam H.B.B, Gandhigram.	s. priya
22	V. VINITH, IX, Thampithottam H.B.B, Gandhigram.	v. vinith
23	SRI SRINITH VII The School K.F.I Chennai	sri
24	S. ASWATH VI V.K.V.M.H.S.S Mahadhanapuram	s. Aswath
25	R. KABIL KRISHNA VII V.K.V.M.H.S.S Mahadhanapuram	Kabil
26	K.S. Akshaya I V.K.V.M.H.S.S Mahadhanapuram	Akshaya
27	R.V.S. MANI VI V.K.V.M.H.S.S Mahadhanapuram	Mani
28	H. Sabarish VII V.K.V.M.H.S.S Mahadhanapuram	Sabarish.
29	M. NITHIN SANKAR VII V.K.V.M.H.S.S Mahadhanapuram	M. Nithin
30	R. BALAJI IX V.K.V.M.H.S.S Agastheeswararam	Balaji
31	R. Preetha VII V.K.V.M.H.S.S Agastheeswararam	Preetha

32	S. SUTHA VIII G.D.M.H.S.S Agasteeswam	S. Sutha
33	K. MARUTHU, VII R.P.H. b. b, Ilariji	K. maruthu
34	S. INDRA JITH, X R.P.H. b. b, Ilariji	S. Indrajith
35	M. THANGARAJ VIII R.P.H. b. b, Ilariji	m. thangaraj
36	T. ARUMUGAM X Rosemary M. H. b. b Tirunelveli.	T. Arumugam
37	G. PREM SUNDAR SONTAR, X Rosemary M. H. b. b Tirunelveli	Gr Prem Sontar
38	T. SUBRAMANIAN VIII Jeyanthra M. H. b. b Tirunelveli.	T. Subramanian
39	P. CHITHAI, VIII R.P.H. b. b, Ilariji.	P. chithai
40	M. ANAND, VI, R.P.H. b. b, Ilariji	M. Anand
41	M. PADMAVATHI, XI, R.P.H. b. b, Ilariji	M. Padmavathi
42	S. GOKUL VIII Sr. Peter School, Shekkal. Andoor.	S. Gokul

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Date : Technology Resource Center, Kalluvillai

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Resource Persons list

S.No	Name and address	Phone No	Signature
1	K. JANBI, Vocational Tr K.V.A.C.H.S.S., Chinnamanur.	9488227970	<u>Sri. Janbi</u>
2	M. Chithra 10, Cherkadi Street Ilangi	9894849276	M. Chin
3	S. Kavya Lady Doak College Madurai	9442644255	S. Kavya
4	D. Gopala Kannan Shiva Priya Ashram Courtallam	9791885545	<u>D. Gopala</u>
5	R. kannan Shiva priya Ashram Courtallam	9715871803	R. kannan
6	N. Ambiga M.A; B.Ed, M.Phil, M.A (Eco) S.M. R.V. Hr. Sec. School Vandaseery, Nagercoil-1.	9940843901	<u>N. Ambiga</u>
7	T. DHAYA. MA(Eng) Teacher of V.K.V, Kanyakumari	9688198316	<u>T. Dhaya</u> 21/5
8	K.S. Neela Chairperson, Child Welfare Committee, Dindigul Dt.	98979112 989791719612	<u>Neela</u> 21/5/10
9	K. PANDIAMMAL Asstt. Superintendent - Children's Home Gandhinagar, Dgl	9442684806	<u>K. P.M.</u> 21/5/10

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Syllabus

I. Science Experiments

1. Levitating magnets
2. Rolling magnets
3. Straw whistle
4. Spiral whistle
5. Flute (Straw)
6. Simple Paper Plane
7. Sparrow – head plane
8. Simple Glider
9. Origami Loop Glider
10. Centrifugal Force – Three experiments
11. Glass and water
12. Hanger and coin
13. Small stone lifts big stone
14. Automiser
15. It will rain when you want
16. Siphone
17. Riddle about water and straw
18. Riddle about bottle and piece of chalk
19. Banana leaf whistle – Two types
20. New Technique for fast addition
21. Leaf propeller clock wise
22. Thermocoal glass propeller
23. Mobius stripe – Three experiemtns
24. Three Blade Rotor
25. Hot air ballon flying – Demonstration
26. Making and flying hot air balloon
27. Whistling pipe
28. Tumbling wing Glider

II. Documents ^{g-zies} Audio Visuals

1. Slide show of photographs of Birds found around Vivekananda Kendra (NARDEP) with explanation.
2. Making and flying Hot air Balloon
3. Making of tumbling wing Glider

III. Games

1. Dog and the Bone – Using mathematics
2. Game of standing like numbers
3. One minute games

IV. Activities

Nature Trial – Bird watching (NARDEP)

Sighted Birds List

1. White throated King fisher – *Halcyon capensis*
 2. Common Hoopoe – *Upupa epops*
 3. Rufous Treepie – *Dendrocitta vagabunda*
 4. Indian Peafowl – (Peacock) – *Pavo cristatus*
 5. Small Green Bee eater – *Merops orientalis*
 6. Indian Roller – *Coracias benghalensis*
 7. Long – tailed shrike – *lanius schach*
 8. Asian koel – *Eudynamys scolopacea*
 9. Greater coucal – *Centropus sinensis*
 10. House crow *corvus splendens*
 11. Large – billed crow – *corvus macrorhynchos*
 12. Red vented Bulbul – *Pycnonotus cafer*
 13. Rose – ringed parakeet - *Psittacula krameri*
 14. Yellow – billed babbler – *Turdoides affinis*
 15. Common myna - *Acridotheres tristis*
 16. Little Egret – *Egretta garzetta*
 17. Cattle Egret - *Bubulcus ibis*
 18. Indian pond Heron – *Ardeola grayii*
-

Workshop for Students to Create a Scientific temper

Date : Technology Resource Center, Kalluvillai

Date : 17.05.2010 - 21.05.2010

DAY - 1 (17.05.2010)

08.00	- Breakfast
09.00	- Registration
09.30	- Inaugural Programme
10.30	- Tea
11.00	- Session – 1
12.00	- Session – 2
13.00	- Lunch
14.00	- Songs Practices
14.30	- Session – 3
15.45	- Tea
17.00	- Games
18.00	- Getting Ready for Prayer
18.30	- Prayer
19.30	- Dinner
20.15	- Night Assembly
21.30	- Switch of the lights

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DAY - 2 (18.05.2010)

05.00	- Get up
05.30	- Prayer
06.00	- Yogasana
07.00	- Ablution
08. 15	- Breakfast
09.15	- Song
09.30	- Session 1
10.30	- Tea
10.45	- Session 2
13.00	- Lunch
14.00	- Songs Practices
14.30	- Session – 3
15.45	- Tea
17.00	- Games
18.00	- Getting Ready for Prayer
18.30	- Prayer
19.30	- Dinner
20.15	- Night Assempley
21.30	- Switch of the lights

Workshop for Students to Create a Scientific temper

Date : Technology Resource Center, Kalluvillai

Date : 17.05.2010 - 21.05.2010

DAY - 3 (19.05.2010)

05.00	- Get up
05.30	- Prayer
06.00	- Yogasana
07.00	- Ablution
08. 15	- Breakfast
09.15	- Rock and Gramodaya park visit
13.00	- Lunch
14.00	- Songs Practices
14.30	- Session – 3
15.45	- Tea
17.00	- Games
18.00	- Getting Ready for Prayer
18.30	- Prayer
19.30	- Dinner
20.15	- Night Assembly
21.30	- Switch of the lights

Workshop for Students to Create a Scientific temper

Date : Technology Resource Center, Kalluvillai

Date : 17.05.2010 - 21.05.2010

DAY - 4 (20.05.2010)

05.00	- Get up
05.30	- Prayer
06.00	- Sun Rise
07.00	- Ablution
08. 15	- Breakfast
09.15	- Song
09.30	- Session 1
10.30	- Tea
10.45	- Session 2
13.00	- Lunch
14.00	- Songs Practices
14.30	- Session – 3
15.45	- Tea
17.00	- Games
18.00	- Getting Ready for Prayer
18.30	- Prayer
19.30	- Dinner
20.15	- Night Assemply
21.30	- Switch of the lights

Workshop for Students to Create a Scientific temper

Date : Technology Resource Center, Kalluvillai

Date : 17.05.2010 - 21.05.2010

DAY - 5 (21.05.2010)

05.00	- Get up
05.30	- Prayer
06.00	- Yogasana
07.15	- Ablution
08. 15	- Breakfast
09.15	- Song
09.30	- Session 1
10.30	- Tea
10.45	- Session 2
13.00	- Lunch
14.00	- Concluding Programme

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photo Gallery



Students inaugurating the camp by lighting the lamp



Dr. Shashi Ahuja Director, Department of Science and technology
Inter-acting with the participants