

Aavishkaar

PALAMPUR, HIMACHAL

Science and Math

Making math and science interesting, exciting and fun for all and to develop thinking through logic and reason.

Encourage conceptual understanding through hands-on experiences using models, experiments and projects. The goal is to make learning a joyful experience for our school community and to spread the culture of science and scientific investigation.

WHAT WE DO

Develop quality content in science and math for grades 6-12 in a language that our community understands. The classroom experience is made interesting and exciting with content that shows relevance, context and history, bringing out the big picture in the concepts and small details too! Aavishkaar strengths are conceptual knowledge, experiential learning and engaging classrooms.

- **Science and Math in School** - sessions in the schools, on fundamental ideas in science/math to make the concepts evident.
- **Student Camps** - residential camps to develop a culture of research, scientific process and problem solving where students design, create and explore.
- **Teacher Training** - making classrooms fun, interesting and challenging spaces with content that is relevant and contextual with concept clarity.
- **Aavishkaar Melaa** - school kids set up a fair where they explain models to the rest of the school.

MAY THE FORCE BE WITH YOU !

Science and Math are not just about passing exams and getting jobs, it is extremely empowering when we truly understand the beauty of the world and the way it works – scientifically and mathematically.

TEAM

Apoorwa Hooda B.Sc. (Science, Miranda House, Delhi Univ.), M.Ed (Azim Premji Univ.)
 Bharat Shresht M.Sc. (Mathematics , IIT Chennai)
 Manju Devi B.S.W. (Gender & Womens Studies, Himachal University)
 Sandhya Gupta Ph.D. (Electrical Engg, Iowa, USA)
 B.Engg. (NIT Patna)
 Sarit Sharma Ph.D. (Electrical Engg, Iowa, USA),
 M.Tech (IIT Kgp), BE (NIT Surathkal)

Proposal

Science & Math Workshops with Asha for Education

To encourage Science and Math in under served communities (Nari Gunjan and others) we propose conducting Science and Math Camps and Workshops.

Each workshop will encourage conceptual understanding through hands-on experiences using models and experiments. The goal is to make learning of science and math a joyful experience for our school community and to spread the culture of science and scientific investigation.

π -Cycle and π -Safaari are week long residential programs for young scholars (11-14 and 14-17 yrs) who are fascinated by science and math and dream of themselves as the scientists and mathematicians of tomorrow. It gives students an opportunity to expand their horizons.

Hamaari Kakshaa is a 5 day workshop for teachers of middle and high school working in science and math education. This will help develop good conceptual understanding, provide exposure to hands-on experiments/teaching-aids.

BUDGET

	#s	Unit Cost	Total Cost	Total USD
Hamaari Kakshaa - Teacher Training	8	10,000	80,000	1,250
Pi-Cycle - Student Camp (11-14 yrs)	8	12,000	96,000	1,500
Pi-Safari - Student Camp (11-14 yrs)	8	12,000	96,000	1,500
Books and Teaching Aids			48,000	750
Total				5,000

Hamaari Kakshaa (Teachers) - Budget (25 Participants)

	#s	Unit Cost	Total Cost
Lodging (27 Persons)	5 days	400	54,000
Food (36 Persons)	5 days	200	36,000
Resource Persons (2 Persons/day)	5 days	10,000	50,000
Support Team (6 Persons)	5 days	10,000	50,000
Resource Person Travel	4	10,000	40,000
Program Manager	1	12,000	12,000
Program Material	5	400	2,000
Building Facility	5	2,000	10,000
Total			254,000
Per Person Cost			10,583

Pi-Cycle/Pi-Safaari (Students) - Budget (25 Participants)

	#s	Unit Cost	Total Cost
Lodging (35 Persons)	7 days	400	98,000
Food (35 Persons)	7 days	200	49,000
Resource Persons	2	5,000	10,000
Support Team (6 Persons)	5 days	10,000	50,000
Camp Manager	1	12,000	12,000
Camp Counsellor	5	7,000	35,000
Travel	5	6,000	30,000
Program Material	7 days	200	1,400
Building Facility	7 days	2,000	14,000
Total			299,400
Per Person Cost			11,976

CONTACT

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