

REPORT OF SAP'S WORKSHOP

Developing Science Teachers as Inquiry Promoters in the Context of STSE

Venue: Govt. College for Elementary Teachers, Bosan Road, Multan

Dated on: 30th Jan, 2010

Timing: (09:00am – 02:00pm)



SAP

Science Association of Pakistan

SAP's Introduction

The Science Association of Pakistan (SAP) was formed on the 14th October 1998 as a voluntary non-governmental, non-political and non-profitable organization by science teachers from all over Pakistan at the Aga Khan University – Institute for Educational Development (IED).

Vision of SAP

“To improve the quality of Science Education in Pakistan”

Workshop's AIM

SAP offered an innovative and contextually relevant program '**Developing Science Teachers as Inquiry Promoters in the Context of STSE**' for the science teachers of Multan with the collaboration of **Idara-e-Taleem-o-Aagahi (ITA)**. This program's ultimate aim is to enhance student learning outcome in a fundamental content of science through teachers professional development in planning and implementing inquiry based lesson in the context of STSE.

Outcomes

Outcomes of the training are as:

- Recognize the key aspects of the New National Curriculum 2006.
- Recognize the processes of learning and children learning science.
- Explain the key aspects of concept of scientific literacy and Science Technology Society & Environment (STSE) through an analysis of the NCE 2006.
- Experience some aspects of NOS relevant to school science;
- Engage in the development of some assessment tool;
- Experience the learning of matter in the context of STSE and Plan, apply, reflect and modify lesson plans through a collaborative approach.

Methodology

The participants were being engaged in learning through

- ✓ interactive and learner centered approaches
- ✓ inquiry
- ✓ demonstrations
- ✓ role plays
- ✓ active reading
- ✓ writing
- ✓ ICT
- ✓ hands-on approaches
- ✓ minds-on approaches

Resource Persons

- Ms. Farah Huma
- Ms. Unaeza Alvi
- Ms. Surraiya Yousufi

ITA-IPL Representatives

- Mr. Muhammad Ahsin Imtiaz (Training Coordinator)
- Mr. Rana Mubashir Latif (DM Sheikhpura)
- Mr. Adnan Khalil (T & MD)

List of Participants

Sr. #	Name	Name of Schools
1	Abida Qamar	OPF Public School Multan
2	Adnan Khalil	ITA
3	Afshan Nigar	G. G. P. S. Multan
4	Asma Kiran	St. Joseph High School Bishop House Multan
5	Dhanak Junaid	City School Multan
6	Faisal Siddique	St. Joseph High School Bishop House Multan
7	Farah Deebea	G. G. H. S. Multan
8	Firdous Anjum	OPF Public School Multan
9	Irum Nawab	G. Lab. Model School Multan
10	Kousar Nasreen	G. G. E. S. Basti Khudadad Multan
11	Kousar Perveen	G. G. M. S. Basti Musawali Multan
12	Kousar Perveen	Junaid public School Multan
13	M. Shafiq	Azam Public School Multan
14	Mazhar Mumtaz	G. Islamia H. S. Daulat Gate Multan
15	Muhammad Farooq	G. Islamia H. S. Daulat Gate Multan
16	Muhammad razman	G. H. S. Mardan Pur Multan
17	Muhammad Sajid hameed	G. Lab. Model School Multan
18	Muhammad Yousuf	G. Islamia H. S. Daulat Gate Multan
19	Munazza Jabeen	OPF Public School Multan
20	Naney Joseph	St. Mary's Convent Girls H. S. S Multan
21	Nasira Begum	G. G. P. S. Multan
22	Nazli Junaid	St. Mary's Convent Girls H. S. S Multan
23	Nighat Perveen	OPF Public School Multan
24	Nuzhat Ehsan	OPF Public School Multan
25	Perveen Qureshi	G. G. P. S. Sharif Pura Busti Shorkot Multan
26	Rana Mubashar Latif Khan	ITA
27	Razia Khatoon	G. G. P. S. haji Block Kudadad Multan
28	Rubina Shaheen	G. G. P. S. Ali Wala Multan
29	Rukhsana Perveen	G. G. M. S. Basti Musawali Multan
30	Samina Batool Gadezi	G.G.H.S. Piran Ghaib Multan
31	Shahnaz Akhtar	G. G. P. S Thakhan Wala Multan
32	Shakeela Perveen	PST G. G. H / S / S Piran Ghaib Multan
33	Shamim Akhtar	EST G. G. H / S Piran Ghaib Multan
34	Sumbul Hameed	St. Joseph High School Bishop House Multan
35	Sumera Shaheen	Junaid public School Multan
36	Syed Atta Ullah Shah	G. lalli Model School Bosan Road Multan
37	Syed Sajid Hussain Shah	G. H. S. Mardan Pur Multan

SESSION PROCEEDINGS



Word Wrapping Activity



Defining the words / terminologies



Individual presentation on “Defining terminologies”



Defining & discussing Atomic Theories



Trainer & Participants taking part in Teachers' Standards



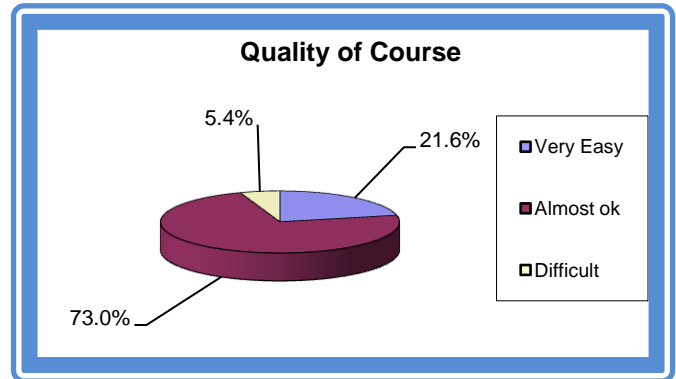
An activity that explains the linkage of knowledges

Evaluation by Graph

The training was evaluated by participants.

a) Quality / Level of the Course:

	Frequency	%
Very Easy	8	21.6%
Almost ok	27	73.0%
Difficult	2	5.4%
Total	37	100%

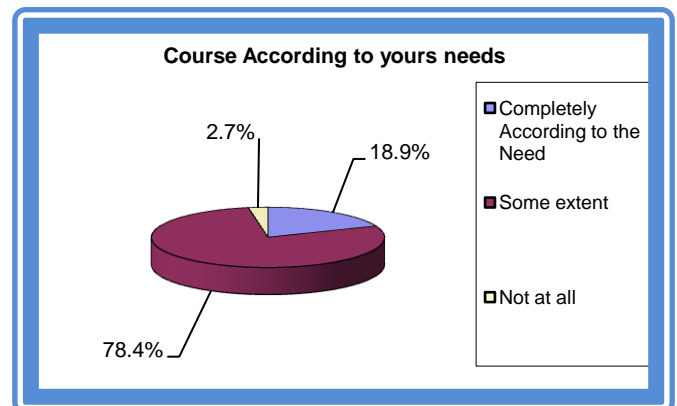


Description:

08 teachers declared it very easy. 27 declared it o.k. and 02 teachers thought it difficult. So it was a good workshop.

b) Does Training Course meet your Needs?

	Frequency	%
Completely According to the Need	7	18.9%
Some extent	29	78.4%
Not at all	1	2.7%
Total	37	100%

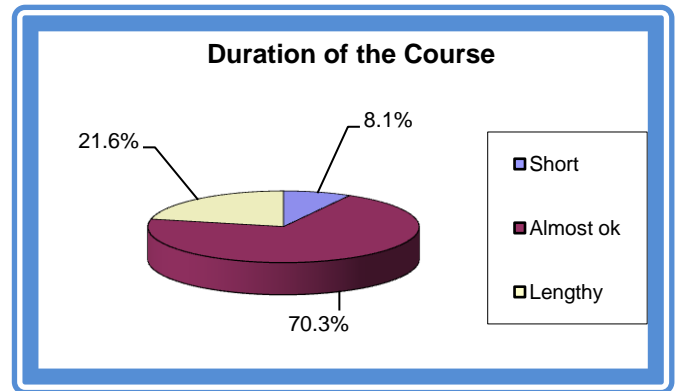


Description:

When asked about the credibility of the course that whether it was according to the needs of the teachers or not. 07 teachers told that it was completely according to their needs, 29 were of the view that it was to some extent, whereas 01 told not at all.

c) Duration of the Course:

	Frequency	%
Short	3	8.1%
Almost ok	26	70.3%
Lengthy	8	21.6%
Total	37	100%

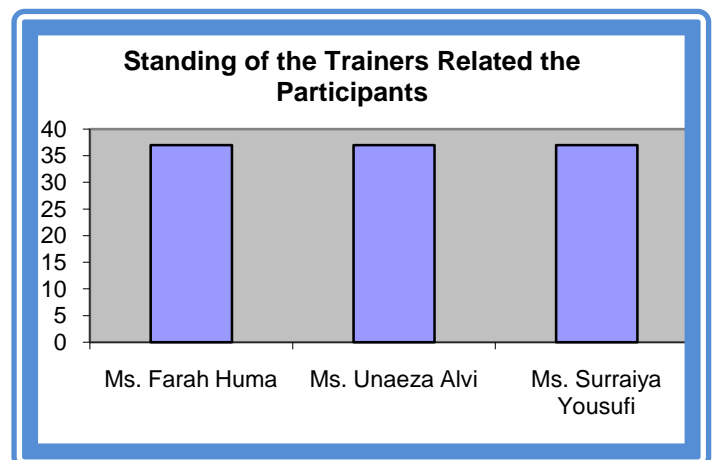


Description:

03 Participants were of the view that the duration was short. 26 declared it almost o.k. and 08 persons told that it was lengthy.

d) Rating of the Trainers:

	Good	Ok
Ms. Farah Huma	37	0
Ms. Unaeza Alvi	37	0
Ms. Surraiya Yousufi	37	0

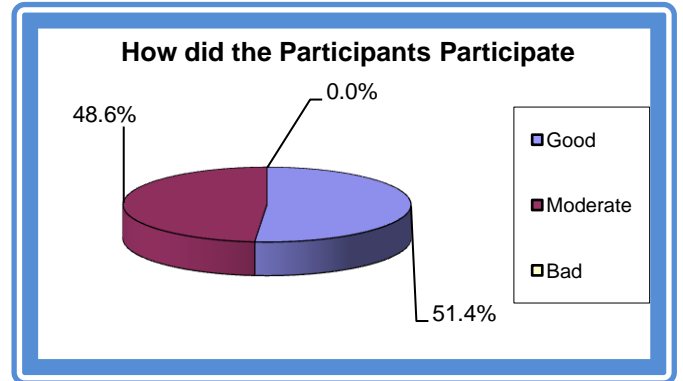


Description:

37 participants declared a good trainer to Ms. Farah Huma, 37 told that Ms. Unaeza Alvi was a marvelous trainer and whereas, 37 participants declared a good trainer to Ms. Surraiya Yousufi.

e) Group Work and Participants' Participation:

	Frequency	%
Good	19	51.4%
Moderate	18	48.6%
Bad	0	0.0%
Total	37	100%

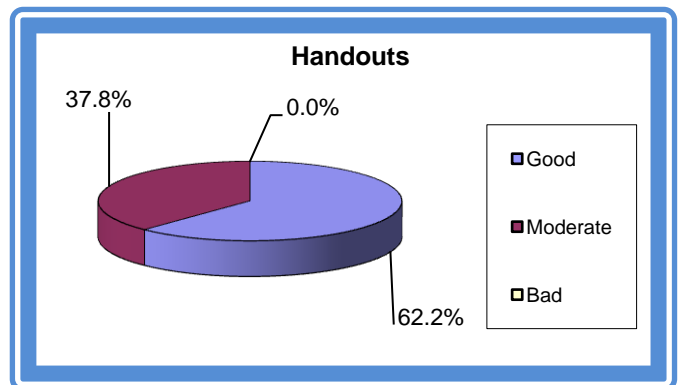


Description:

The participation in Group Activities was admitted as very good by 19 participants and 18 declared it O.K.

f) Hand outs:

	Frequency	%
Good	23	62.2%
Moderate	14	37.8%
Bad	0	0.0%
Total	37	100%

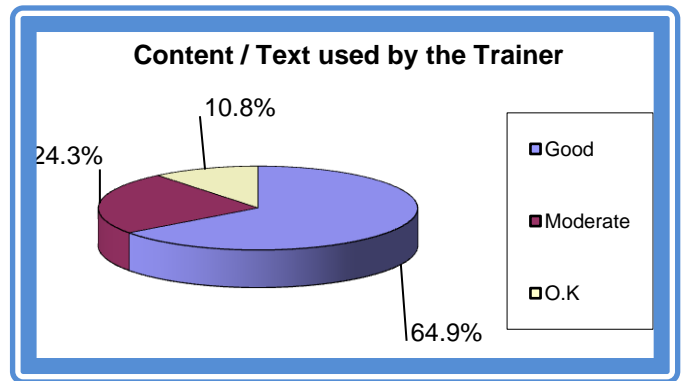


Description:

23 participants declared the Handouts as very good and 14 said it moderate.

g) Content Material used by the trainer:

	Frequency	%
Good	24	64.9%
Moderate	9	24.3%
O.K	4	10.8%
Total	37	100%

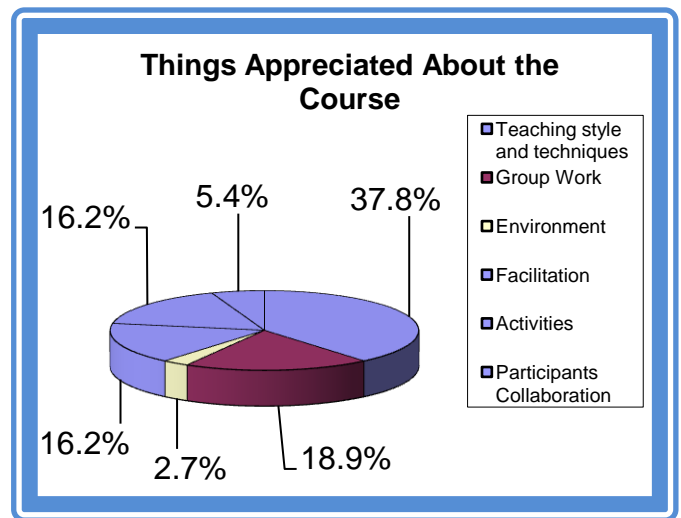


Description:

The Contents & text used by the trainers were admired by the participants and 24 teachers declared it as very good, 09 told that it was moderate where as 04 said it OK.

h) Things you like most in the Course:

	Frequency	%
Teaching style and techniques	14	37.8%
Group Work	7	18.9%
Environment	1	2.7%
Facilitation	6	16.2%
Activities	6	16.2%
Participants Collaboration	2	5.4%

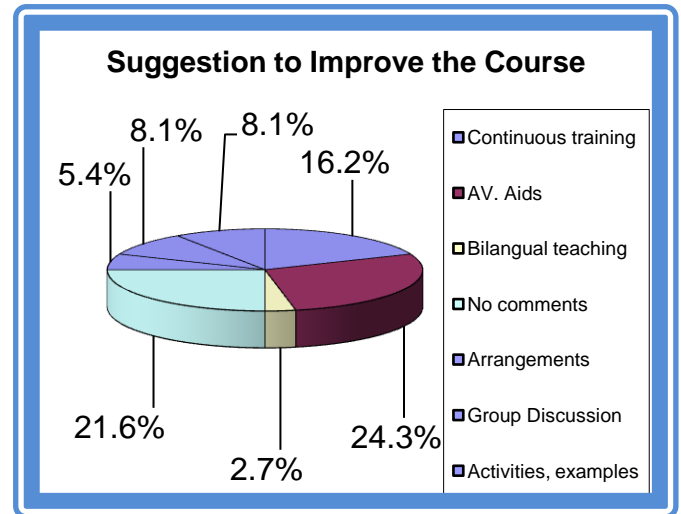


Description:

14 teachers appreciated the teaching style of the trainers, 07 showed interests in Group Work, 01 said good to the environment provided for the training, 06 said well to the facilitation in the workshop, 06 said yes to the participants' collaboration with each other during workshop and 02 liked the activities done during the workshop.

i) Suggestions to improve the course:

	Frequency	%
Continuous training	6	16.2%
AV. Aids	9	24.3%
Bilingual teaching	1	2.7%
No comments	8	21.6%
Arrangements	2	5.4%
Group Discussion	3	8.1%
Activities, examples	3	8.1%

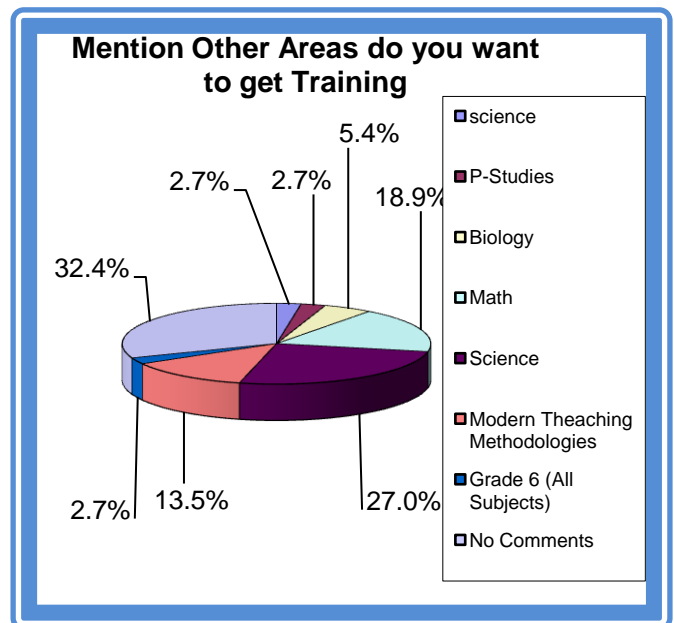


Description:

06 teacher demanded for the Continuous training discussion, 09 for AV-Aids, 01 for Bilingual Teaching, 02 for the better arrangements, 03 for the group discussion, 03 for the more activities whereas 08 participants gave no suggestions.

j) Other Areas of Interest for further Training:

	Frequency	%
science	1	2.7%
P-Studies	1	2.7%
Biology	2	5.4%
Math	7	18.9%
Science	10	27.0%
Modern Teaching Methodologies	5	13.5%
Grade 6 (All Subjects)	1	2.7%
No Comments	12	32.4%



Description:

When asked about the topics of more subjects, the teachers suggested/demanded the training in the subject of Science, P- Studies, Biology, Math, Science, Modern Teaching Techniques & all subjects of Grade 6.

Lessons Learnt / Views of the participants:

- The training environment of this cluster schools was very friendly and interesting. The trainees were demanding more training for the subject.
- Teaching methodologies, techniques and AV Aids gave them idea to introduce and apply these tools for better learning in classroom.
- The time seems too short for more learning.
- Punctuality was observed throughout the training both by the Trainers & Trainees.
- Training room should have managed with new tips, techniques and innovation in teaching methodologies / Models.
- The training was successful but this was deeply observed that there is an intense need to add:
 - Lesson planning and
 - Use of interesting AV Aids in the manual / handouts
- Use of multimedia made the training very interesting and easy.

REPORTED BY

Adnan Khalil (ITA)