Deenabandhu Teacher Resource Center

Chamarajanagar Karnataka India 571313

Project: Science Chariot Supported By: ASHA for Education

Progress Report Dated till 27/9/2018

Introduction about the Project: Through our Teacher Resource Center we are already working towards improving science education at Govt. primary schools. We are working on building scientific temparment among school teachers and school children through teacher's workshops, teaching methods with priority for conducting experiments, website with science films, monthly magazine for science and research and development. We are also in the process of establishing science park in our school premises to spread the scientific attitude and temparment.

In order to improve the impact of our above efforts, we intend to take science experiments to each of the Govt. primary schools in the district through "SCIENCE CHARIOT" or Mobile science lab. Well trained resource person will accompany the vehicle and will interact with the teachers as well as children. The vehicle will also be used to popularise science in special occasions like science fares, science exhibitions and such.

Inauguration of Science Van and School visit: on 20th July 2018 Dr. Melliyal Annamalai former President ASHA for Education and Principal Product Manager Oracle USA formally inaugurated the Science Chariot. The first visit was to Govt. Higher Primary School Arakalavadi 30km from Deenabandhu Trust. Since then Science chariot has made 17 visits to seven different schools covering 833 children. Each visit takes about 3-4 hours and children visit by batches to understand science in all its essence.

| Sci | Science Chariot - School Visit Details | | | | | | | |
|------------|--|---------------------|----------|-------|--------------------|-------|----------|-------|
| CLM | D (| Name of the | Number | - CI | Number of Children | | No .of | тоты |
| Sl.N o. | Date | schools | of Visit | Class | Boys | Girls | Teachers | TOTAL |
| 1 | 7/20/2018 | GHPS Arakalavadi | 1 | 6,7,8 | 47 | 46 | 3 | 96 |
| 2 | 7/26/2018 | GHPS | | 5,8 | 20 | 27 | 2 | 49 |
| | 7/27/2018 | Chennipuradamo | 3 | 7 | 14 | 19 | 2 | 35 |
| | 7/28/2018 | le | | 6 | 24 | 13 | 1 | 38 |
| 3 | 8/3/2018 | | | 8 | 33 | 21 | 1 | 55 |
| | 8/6/2018 | GHPS Mangala | 3 | 7 | 15 | 26 | 2 | 43 |
| | 8/16/2018 | | | 6 | 30 | 20 | 2 | 52 |
| 4 | 8/22/2018 | GHPS | 2 | 6,7 | 22 | 25 | 2 | 49 |

| | 8/23/2018 | Chandakkavadi | | 8 | 17 | 16 | 1 | 34 |
|---|-----------|------------------------|-----------|-----|----|-----|-----------|-----|
| 5 | 9/3/2018 | GHPS | | 6,7 | 28 | 29 | 2 | 59 |
| | 9/4/2018 | Venkataiahnacha tra | 2 | 7,8 | 27 | 26 | 2 | 55 |
| 6 | 9/5/2108 | GHPS Ankana | 2 | 6 | 17 | 16 | 1 | 34 |
| | 9/6/2018 | shettipura | | 7,8 | 26 | 28 | 1 | 55 |
| 6 | 9/24/2018 | GHPS | 2 | 6 | 27 | 23 | 2 | 52 |
| | 9/25/2018 | Haradanahalli | | 7,8 | 25 | 24 | 2 | 51 |
| 7 | 9/26/2018 | GHPS | 2 | 6,7 | 22 | 20 | 1 | 43 |
| | 9/27/2018 | Bisalavadi | <u> </u> | 8 | 17 | 14 | 1 | 33 |
| | | | 17 visits | | | Gra | and Total | 833 |

Method followed in reaching schools:

Interaction time: The purpose of this visit is to provide an opportunity for children to see and experiment with TLMs that are created at Deenabandhu Resource Center. These learning materials are connected with the lessons taught as part of the syllabus. Hence to reinforce classroom learning and to give it to an experiential dimension these TLMs are taken to their door steps. Obviously it is a quality time for resource person, children and the class teacher. The routine practice of the mobile vans is to spend anywhere between 20-30 min. However such interactions can hardly bring about any science learning. However our science van makes repeated visits to the same school and in accordance with the need same experiments will be explained to the children if the required learning has not happen.

Conduct of experiments in the science van: we have found it very convenient to conduct the experiment with in Science Van itself as it is fitted with UPS, Audio system and LCD projector. The science van can undertake all the planned experiments even if there is power cut for the class rooms. Hence the mobile Science Van is not just a carrier vehicle but a real full-fledged science lab on wheels.

Note: When we find it necessary to conduct group activities or if there is a need for special instruction to a group of children the available class rooms of the school will be used. We also encourage the class teachers to use the school resources in an effective way so that they will realize the usefulness of their own resources.

The extent of reach:

In the beginning of the current academic year there were many hurdles from the government vehicle control department. Surprisingly govt. does not have a provision at all to allow a vehicle to function as a science van. Sorting out these formidable problems with Govt. took a lot time and hence we were not able to reach the anticipated number of children. However now that problem is sorted out we will be able to reach 5000 children by the academic year. We have planned to continue to use science van for conducting special workshops in connection with Summer camp for children. And in the year 2019-20 we are confident of reaching 7000 children.

School visit format with teacher and Children feedback:

| Date: | | JUILOUL | VISIT FORM | TAT | | | |
|-----------------------|------------------------------|---------------------------|--|-----------------|--------------|-------|------------------------------|
| | 31-F-FB | District: | Ch-Na | gora | Ti | In: | 10:30 |
| Number of visit | 01 | Block: | | | Time: | Out: | 3:20 |
| Name and School addre | GHPs - chenn: purada mole | | | | | | |
| Name of Instructor | Session | Class and Section | No. of Boys | No. of Girls | No. Teacl | | Total |
| Gowisholme | Morning | 740 | 14 | 13 | 2 | | 35 |
| | Afternoon | 7+4 | 14 | 13 | 2 | | 35 |
| Student Feedback: | SPACEOR | 3d edge | নি ধ্ব , ei ইনহেন্তর ২০, চিন্দু ২০০০ চ | Willy, | STORY. | Aton, | raser, |
| 7 | 5000 8 కలపాలు వరిరావ్య | क्रिट्या हा देश का सम् | 2000 Col | 4913001 | 00 g . | 4 B | 1820 1820 1820 1820 |

ಸ್ವಾಮರದ ಬೆಂಗಳ, ಚಾಮರಾಜನಗರ **ತಿತ್ತಿ** ಸಂಮಾರ್ಯವನಗರ ಬೆಳೆ

DEENABANDHU TEACHER RESOURCE CENTER, CHAMARAJANAGAR SCIENCE CHARIOT PROJECT SCHOOL VISIT FORMAT

| | | SCHOOL | ISIT FORM | ΛAT | | | |
|----------------------|--|--|---|--|---|--|----------------------------------|
| Date: | 3-8-18 | District: | Ch-Nagara Ch-Nagara | | Time: In: Out: | | 10-45 |
| Number of visit | 10 | Block: | | | | | |
| Name and School addr | ess: | GHPS | Mang | ala | | | |
| Name of Instructor | Session | Class and Section | No. of Boys | No. of Girls | f No. of Teachers | | Total |
| Gowrisha bar | Morning | 8th | 33 | 21 | 1 | | 54 |
| | Afternoon | 844 | 33 | 21 | σ | | 53 |
| Student Feedback: | ಪ್ರಯೋಗ -ನ ತೋ ಡಾಕ್ಕೆದನ್ ಪುಷ್ಟಿಯ ತೋಂಸೆ | ನಮ್ಮ ಶಾಲ ಗಗ್ಗಳನ್ನು ಪ ಪ್ರಿಲು, ಕಾ ಆಕ ಮತ್ತು ಆಕ್ರಮೆ, ತೆ ರಿದರು | ನಾಡಿದರು ಎತಿಂತು ಪ ಅಪಾಕಂ ಕುಪಿಕ. ಪ ಕ್ರತಿಕ. ಪ | . হ্লাবর্ধ ব্যব্দু হচ ব্যবহর এ ক্রান্ত এ ক্রান্ত এ | ್ತಾಯ ಮ ಕಾಂತಿಯ ಚಿತ್ತುಗಳ ತಾರ್ಯ 8 ಸೇ ಕ | ಾದಕಿ. ಬ ವಸ ಉಗ್ಗೆ ಗಳನ್ನು ಕಗತಿ | ನರ್ನಾಟ್, ಸ್ತುಗಳು, ತಿಳಿಸಿದಂ |
| Teachers' Feedback: | ನಮ್ಮ ಶಾ ಮಾಸಾಕಾಗ್ಯ ಕೌಂತೀಯ ಎಕುನುನೆ | ನ ಹೀಡುತೆ ನಿಗೆ ೫೧೦೦ ನು. ಚಿಕ್ಕಾನ ಸಾಲಾವಸ್ ಎ. ಮಾಸವ ಮಹಿಸು ಚಿಕೆ | ති, යනු බ් ස්හැයේ බ්ල දිනවේ නසුස්ජේ | ර් විදුන් , ය (හිරෙන්) වෙනමන | ಕ್ಟ್ರಿಪ್ಟಾಡೆ ಶೈಪ್ಟಾಡೆ ಮತ್ತು ಪ್ರಸ್ತಿಪ ಪರಗ | ාකුඹුඩ යෝන්නි, හැකි, ය | , ಪಾತ್ರ್ತ ಶಾಕ್ಷೇಕ |

Signature and seal of Head Master

Gowrishonkar. AS

ದ ಎಎಫರಂತರ ಮುತ್ತಿದ್ದ ರವು ವರ್ಷರ ಅಭ್ಯತೀಕರಿಕಿದ ಹಿರಿಯ ಪ್ರಾಥಮಕ ಹದೆ ಮರ್ಗರ ಆತಮರಣವನೆಗೆರ ತಾಲ್ಲೂಕು ಮತ್ತು ಅನ್ನ

Photos:



Inauguration of Science Van



Children excitingly lined up to interact with the facility





Children paying attention to the experiment with resource person.



Children doing hands on experiment

An introductory session in class room

