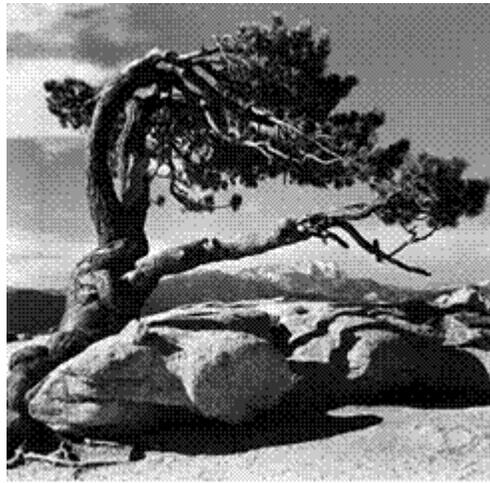


Non-Profit Organization
providing Assistance to the
Physically Challenged in
India for Education and
Income Generation

ASHRAYA

*Hey Look! The pine tree is bending
Over the rocks like a frail old man blessing
A burly child with his stick,*



*The scorching sun whips its back,
And the heat smacks its branches,
Shaking off crumbled leafs of shade
That scramble for refuge in craggy folds.*

*As God's children go on a star-hunt,
The world of ASHRAYAs stands on its head,
A top spinning in perfect harmony.*

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***Project Terra Firma
Skill Development in Rural Primary Schools
Hanur Taluk, Karnataka***

Phase I Completion Report

This document provides an overview and status on Project Terra Firma, the project taken up by ASHRAYA. Project Terra Firma focuses on skill development in rural primary schools in Hanur Taluk, Karnataka. The project covers 77 primary schools and 12,362 students over 3 phases (2009, 2010 and 2011). We are well into Phase I, with 90% completion on expenditure/disbursement and 60% completion on project execution. This document solicits joint funding from a partner agency for Phases II and III.

1. Information on ASHRAYA

ASHRAYA (www.ashraya-usa.org) is a non-profit organization incorporated in USA, established in 1991 with an aim to provide assistance to the physically challenged community in India in the areas of education, vocational training and income generation. Our focus is on various challenges such as visual, aural, mobility, learning and rural poverty; and on different age groups, i.e. education for children, vocational training for teenagers and income generation for adults. We strive to use **assistive technologies** wherever feasible so as to increase sustainability and leverage. ASHRAYA is registered in state of New Jersey and has obtained tax-exempt status from IRS (USA). Over the last 10 years, our focus has shifted to providing services to smaller and more rural-based organizations. The following are the services we provide:

1. Supply educational aids for end users
2. Supply assistive-technologies and equipment towards the following
 - a. Talking Book production centers for the visually challenged
 - b. Centers of education Employment generation programs
 - c. Extracurricular activities (e.g. music equipment for the visually challenged)
3. Provide consultative assistance in the following
 - a. Setting up manufacturing cells for production of educational aids
 - b. Setting up education and employment generation programs
 - c. Setting up training programs in collaboration with US-based organizations
4. Provide liaison services towards obtaining project-specific funds from US-based funding agencies

2. Background and Context

The state governments in India have done a lot for primary schools (1st to 7th standard) in rural parts of the country over the last few years, pouring in investments in school buildings, trained teachers, text books etc. The state government in Karnataka has already invested the following in each rural school (other than school buildings and teacher salaries)

1. Mid-day meals for every school child
2. 500 rupees per teacher for teaching aids and materials
3. 45,000 rupees per school for maintenance
4. Text books for every child and 3 note books and school bag for each SC/ST child
5. Daily newspapers
6. 2,800 books for the library
7. Bicycles for 8th standard students
8. Geometry boxes in 7th standard
9. Radio & TV to run educational programs aired by the government daily

However, children passing out of these schools have deficiencies in many areas such as handwriting and math skills. These deficiencies get worse as you go into more rural parts of every state (i.e. farther away from the main cities). The following are the identified areas of deficiency along with interventions that could help reduce each of these deficiencies.

Area	Deficiency	Suggested Intervention Mechanisms
Basic Amenities		Plates and glasses for midday meals Benches and desks in the classroom
Skills	Handwriting	Copywriting Books, Pencils, Erasers, Stencil Sets
	Indigenous Knowledge	Silk Rearing Models, Books on Sericulture, Industry Visits
	Sports Education	Football, Cricket Set, Etc
	Creative Arts	Coloring Books, Origami books, Crayons, Paints
	General Knowledge	Encyclopedia, GK Books, Atlas, Globe, Charts
	Debating/ Quizzing	Competition Conducted by Volunteers and Teachers ¹
	Science and Math Skills	Science and Math Kits, Nature Models
	Health Education	First Aid Kit, Health Charts
	Water Hygiene	Water Filters
	Experimental Science	Lab Equipment, Chemicals
	Music	Music Equipment
	Peer Learning	Consultant Based Training
	Leadership Training	Consultant Based Training
	Communication Skills	Consultant Based Training
	Computer Training	Computers
Competitive Spirit	Gift Book Sets	
Fun Days	Picnic, Movie Day	
Adventure	Summer Camps like Trekking, Industrial Visits	

Our aim is to provide supplementary materials that could enhance the skill sets of children passing out of these schools (into high school). We selected Hanur Taluk (sub-division of Chamarajanagar District in Karnataka State) for the following reasons:

- Primarily rural (200 Kms away from Bangalore) and remote mountainous terrain (please note that other organizations such as SHIKSHANA currently run similar intervention programs in areas closer to Bangalore).
- Considered to be one of the more backward Taluks in the state
- Have a high % of tribals in the Taluk
- Bigger average student strength per school than other Taluks (180 vs. 100 in other Taluks) indicating lesser government support per school

Hanur Taluk has 3 Hoblis (sub-divisions of a Taluk which in turn are sub-divisions of a district) with the following higher primary schools, i.e. schools with 1st to 7th standard classes (HPS) and student populations:

Hanur Taluk Sub-Division ("Hobli")	Number of Higher Primary Schools (HPS)	Total Number of Students	Average Students per School
Hanur	17	3,043	179
Lokkanahalli	14	2,168	156
Ramapura	46	7,151	155
Totals	77	12,362	160

3. Project Description

We surveyed (through extensive interviews with all teachers in each school) 10 higher primary schools (HPS) in Hanur Taluk to understand their specific needs and map their needs to their skill deficiencies. We scored each skill in terms of current deficiency and perceived impact (i.e. value of that skill to the overall development of the students). We also had extensive conversations and meetings with the Block Education Officer (BEO) of Hanur Taluk, Mr. Lingaraj Ours, **who has been extremely cooperative with us and helpful throughout this project**. Based on these surveys and interviews, we concluded the following:

1. Handwriting and creativity are the main skills we should be focusing on (they scored highest of perceived deficiency AND impact).
2. All schools do not have exhibit the same level of current performance in spite of equal levels of interventions from the government. A few schools (2 out of 10 we surveyed) exhibited better performance/environment on the following fronts
 - a. Dedicated and motivated set of teachers
 - b. Displayed proficiency in at least one area (e.g. Kannur village school's Kho Kho team has been placed 3rd at national level competition for 10 years in a row)
 - c. High teacher to student ratio (not more than 15 students per teacher)
 - d. Clean and pleasing school infrastructure and study environment
 - e. School teachers expressed interest and desire to do better (for themselves and for the students) and have already taken initiatives to do creative things with their limited budget (e.g. building paper models for science projects)

Based on the above findings, our approach was twofold:

1. Create Model Schools

- a. Select schools that have exhibited better performance than average to date (as per the criteria described above). We feel that a 1:15 ratio will be appropriate in selecting potential candidates for model schools. With 77 total schools in Hanur Taluk, that would lead to a potential for creating ~5 model schools. These model schools will then be showcased to motivate other schools to improve performance on their own.
- b. Identify specific gaps they have in terms of materials covering basic amenities and ALL skills
- c. Administer standard tests to ALL students across ALL skills/subjects and measure average scores at school level
- d. Supply materials identified to fill gaps as per (b) above
- e. Follow-up and administer tests after 3 months and 12 months to register improvement in all skills at the school level. Based on the initial exam, we would select top 100 students.
- f. **Conduct fun educational projects for groups of 5 (20 groups in total) that are focused on learning and promoting curiosity. See Appendix 1 for the list of fun educational projects we took up in Phase I.** The students for this project would be selected based on initial exam scores as described above. Each volunteer in our project is tag-teamed with 2 groups and will be responsible for driving the projects.
- g. **Start clubs for select students** – science, nature and board games, equip the clubs and run them for 2 years on our own funds
- h. Conduct interactive seminars on specific topics such as a computers, photography, music and painting. These seminars are conducted by experts we take along with us on our inspection trips or by our volunteer group.
- i. Conduct a fun project exhibition in which all groups will display their projects. We will give awards to the top 3 groups (students and teachers).

- j. Give awards to Top 2 students per grade based on the results of the final exam.
- k. Deploy the program in phases, i.e. we have selected one school (Kannur school) through surveys and interviews using a desired 1:15 ratio. Once we prove the success of this approach, we would continue promoting model schools across the entire Hanur Taluk in the same 1:15 ratio.

2. Improve Select Skills Across All Schools

- a. Work with the BEO of Hanur Taluk to identify materials needed (common to all schools, not specific) to improve the selected skills, i.e. handwriting and creativity.
- b. Supply materials to all schools in a single Hobli identified to fill gaps as per (a) above
- c. Follow-up and administer tests at beginning of the program and 9 months thence to register improvement in all skills at the individual, school and Hobli levels
- d. Deploy the program in phases, i.e. we have started with one skill for schools in one Hobli of Hanur Taluk and now plan to expand the program across both skills and other Hoblis
- e. In Phase I, we have selected one Hobli (Hanur), i.e. 17 schools and 3,043 students and one skill (Handwriting). The Handwriting skill is being imparted in two languages: Kannada and English.
- f. Inspect the usage of materials and improvement in skills on a continuous basis (once every 45 days).
- g. Give awards to schools, teachers and students who have shown the best improvement across all the 77 schools. In Phase I, we will give awards to English and Kannada teachers belonging to the top 3 schools than register the most improvement in average (school level) scores; as well two top students (one in English and one in Kannada) per school who have registered the most improvement at the individual level.

4. Deployment Plan

We have identified a mentor for this project who has been a source on inspiration and provided guidance throughout this project. **Mrs. Hemavathy**, a 75 year old retired educator, worked as a primary and high school principal for many years and then ran her own school for 20 years before retiring at the age of 73. Mrs. Hemavathy has been the main driver behind our project to date, motivating us with her insatiable energy. She set up all the exams and provides the volunteers guidance in correcting all exam papers.

We have also put together a dedicated band of 10 volunteers through Ariba Inc (the company that ASHRAYA's founder works for). The current volunteers are **Dharmesh Porwal, Chandan Raj, Pawan Bhaduria, Raja Polisetty, Chandrashekar Narayanappa, Nithin Radhakrishnasetty, Badrinath Waiker, Jayanthi Rajagopal, Gopi Badipuram** and **Ramakrishna Vadla**. The volunteers assist in program execution and monitoring as described in the next few sections. Their responsibilities include the following:

1. Program: Create Model Schools

- a. Conduct initial and final exams
- b. Correct exam papers
- c. Coordinate and administer fun educational projects
- d. Coordinate and conduct interactive seminars on specific topics

2. Program: Improve Select Skills Across All Schools

- a. Conduct initial and final exams
- b. Correct exam papers
- c. Inspect schools on an ongoing basis
- d. Give guidance to teachers based on criteria defined by our mentor

5. Roles and Responsibilities

We propose a multi-agency operating model that would involve ASHRAYA, our volunteer base, a larger **Joint Funding Partner** and the Office of the BEO Hanur Taluk; in which each partner would contribute based on their skill sets and focus as shown below. ***We are seeking joint funding from the Joint Funding Partner upon successful completion of Phase I after having established efficacy of the operating model through administration of pre and post intervention tests.***

<p style="text-align: center;"><u>ASHRAYA</u></p> <ul style="list-style-type: none">▪ Seed funding▪ Responsibility for project success▪ Providing periodic monitoring reports to larger funding agency	<p style="text-align: center;"><u>Joint Funding Partner</u></p> <ul style="list-style-type: none">▪ Expansion funding in Phases II and III
<p style="text-align: center;"><u>Volunteers</u></p> <ul style="list-style-type: none">▪ Material purchases and disbursement▪ Conducting before and after tests▪ Estimating test scores▪ Project execution monitoring	<p style="text-align: center;"><u>Office of the BEO, Hanur Taluk</u></p> <ul style="list-style-type: none">▪ Project sponsor▪ Facilitating dissemination of goals to school level▪ Facilitating tests▪ Providing visibility and focus

6. Actual Expenditure for Phase I

The tables below show the detailed expenditures of both programs (“Create Model Schools” and “Improve Select Skills in all Schools”) for Phase I. The total expenditure for Phase I is Rs. 2.72 Lakh (\$5,735). ***As already stated above, we are well into execution of Phase I (905 complete on expenditure, 60% complete on execution).***

1. Create Model Schools

Number of Schools	1	Kannur Village
Student Strength in School	350	

Intervention Mechanisms	Impacted Area	Per Unit Price, Rupees	Number of Students	Amount (Rupees)
Benches	Basic Amenities	500	0	0
Schools bags for non SC/ST students	Basic Amenities	100	88	8,750
Plates and glasses for all children	Basic Amenities	30	350	2,728
White board with markers	Basic Amenities	1,000	1	1,000
Rollup back boards	Basic Amenities	80	10	800
Crayons	Creativity	10	219	2,188
Coloring books	Creativity	20	219	4,375
Slates for 1st and 2nd standard students	Handwriting	15	88	1,313
Side drum	Music	800	2	1,600
Base drum	Music	800	1	800
Bugle	Music	800	3	2,400
Band uniforms	Music	300	12	3,600
Track shirts for Kho Kho team	Sports	150	12	1,800
Track shirts for Kho Kho team	Sports	100	12	1,200
Soccer Ball and Cricket Bat	Sports	1,500	1	1,500
Science encyclopedias for teachers	Science Skills	1,000	2	2,000
Various Materials for Science Skills (Globes, Atlases, 3D Charts, Models, Cue Cards)	Science Skills			2,130
Various Materials for Math Skills (Learning Charts, Models, Cue Cards)	Math Skills			4,217
Totals in Rupees			Rupees	42,465
Totals in \$				894

2. Improve Select Skills Across All Schools

Number of Schools	17
Average Student Strength	179
Total Students Supported	3,043

Intervention Mechanisms	Impacted Area	Per Unit Price, Rupees	Quantity Per Student	Number of Students	Total Quantity	Amount (Rupees)
Copywriting books for 1 to 5 Standards	Handwriting	24.0	2	1,977	3,954	94,789
Reams of paper for 6 to 8 Standards	Handwriting	0.2	40	1,065	42,600	6,656
Pencils	Handwriting	2.2	2	3,043	6,086	13,389
Erasers	Handwriting	0.8	1	3,043	3,043	2,434
Sharpeners	Handwriting	2.5	1	3,043	3,043	7,608
Totals in Rupees						124,877
Totals in \$						2,578

3. Fun Projects in Model School

Parameter	Unit Price, Rupees	Quantity	Amount (Rupees)
Transportation of Materials from Bangalore	11,000.0	1	11,000
Scouting & Inspection Trips	7,500.0	5	37,500
Materials for Fun Projects at Model School	600.0	18	20,993
Fun Project Competition Day Costs	2,000.0	6	29,000
Teacher Prizes for Fun Projects at Model School	2,000.0	2	4,000
Student Prizes for Fun Projects at Model School	500.0	10	5,000
Totals in Rupees			107,493
Totals in \$			2,263

Project Total

Rupees	274,835
Dollars	5,735

7. Project Monitoring

- Project status reports to be generated by ASHRAYA every 3 months
- Conduct tests
 1. Program: Create Model Schools
 - Administer standard tests to ALL students across ALL skills and measure average scores at school level for each skill and overall. Tests will be conducted 3 times: The first test before intervention, the second at the end of 3 months after materials have been distributed and the final test at end of 6 months.
 2. Program: Improve Select Skill Sets across All Schools
 - Administer standard tests to ALL students in ALL schools in the selected skill(s) only and measure average skill scores at school level and overall. Tests will be conducted 2 times: The first test before intervention and the final test at end of 9 months.
- Project Terra Firma band of volunteers visit Hanur Taluk every month (or for specific occasions like administering exams and fun educational projects) on Saturdays.
- BEO of Hanur Taluk will provide certificates of accomplishment based on progress made.

8. Current Project Status

We are currently well into execution of Phase I on both programs: Here are the main accomplishments to date:

1. Conducted survey of schools in Hanur Taluk
2. Defined scope for project (skills, schools, students)
3. Identified mentor (retired educator) and formed volunteer group
4. Create Model Schools
 - a. Interviewed school teachers and identified intervention materials
 - b. Purchased and distributed intervention materials
 - c. Set and conducted initial exam (all subjects)
 - d. Defined process and incentive program for teachers and students
 - e. In process of correcting initial exam and identifying top 100 students for fun projects
 - f. Identified fun educational projects
 - g. Identified topics for live and interactive seminars
5. Improve Select Skill Sets across All Schools
 - a. Identified skills for intervention
 - b. Selected skill & school subset (Hanur Hobli) for Phase I
 - c. Identified intervention materials for Handwriting project
 - d. Purchased and distributed materials for Handwriting project

Project Terra Firma: Skill Development in Rural Primary Schools in Hanur Taluk, Karnataka

- e. Set and conducted initial exam (to test handwriting)
 - f. Defined process and incentive program to teachers as well as students
 - g. Corrected initial exam, estimate initial average scores and distributed to schools
 - h. Started inspection of schools to track progress on material usage and skill improvement (one inspection trip done to date)
6. **Fun Projects:** We conducted an exam for all 250 students, scored the exams and selected top 100 students. We conducted fun educational projects for groups of 5 (20 groups in total) that were focused on learning and promoting curiosity. We conducted a fun project exhibition in which all groups displayed their projects and presented awards to the top 3 groups (students and teachers) and top 2 students per grade based on the results of the final exam. **Please see appendix for list of fun projects and photos taken during fun day competition.**

The tables below the detailed Phase I plan (progress to date and steps to completion).

Phase I Plan: Progress to Date

#	Process Step	11/22	12/6	12/20	1/3	1/17	1/31	2/14	2/28	3/14	3/28	4/11	4/25	5/9	5/23	6/6	6/20	7/4	7/18	8/1	8/15	8/29	9/12	9/26																									
1	Conduct Survey of Schools in Hanur Taluk																																																
2	Interview Block Education Officer, Hanur Taluk																																																
3	Define Scope for Project (Skills, Schools, Students)																																																
4	Present Goals and Scope to BEO and School Principals																																																
5	Identify Mentor (Retired Educator) for Project																																																
6	Present Final Report on Phase I to BEO and School Principals																																																
7	Announce Plan for Phase II																																																
1. Create Model Schools																																																	
8	Interview School Teachers and Identify Intervention Materials																																																
9	Purchase Intervention Materials																																																
10	Distribute Materials																																																
11	Set Initial Exam (to Test All Subjects)																																																
12	Administer Initial Exam (350 Students, All Subjects)																																																
13	Define Criteria for Exam Correction																																																
14	Correct Initial Exam and Identify Top 100 Students for Fun Projects																																																
15	Identify Fun Educational Projects																																																
16	Kickoff Fun Projects (20 Groups) and Awards Program																																																
17	Conduct and Monitor Progress on Fun Educational Projects																																																
18	Conduct Fun Project Competition and Identify Top 3 Projects																																																
19	Distribute Awards to Top 3 Projects (Students & Teachers)																																																
20	Identify Topics for Live and Interactive Seminars																																																
21	Conduct Interactive Seminars																																																
22	Conduct Final Exam																																																
23	Correct Final Exam and Identify Top 2 Students Per Grade																																																
24	Distribute Awards to Top 2 Students Per Grade																																																
2. Improvement Select Skills Across All Schools																																																	
25	Identify Skills for Intervention																																																
26	Select Skill & School Subset (Hanur Obli) for Phase I																																																
27	Identify Intervention Materials for Handwriting Project																																																
28	Purchase Materials for Handwriting Project																																																
29	Set Initial Exam (to Test Handwriting)																																																
30	Administer Initial Exam (17 Schools, 3000 Students)																																																
31	Distribute Materials to all Schools and Students																																																
32	Define Process and Incentive Program to Kannada & English Teachers																																																
33	Define Criteria for Exam Correction and Ongoing Inspection																																																
34	Correct Initial Exam & Estimate Initial Avg Scores for Each School																																																
35	Inspect Schools for Progress (Material Usage and Skill Improvement)																																																
36	Conduct Final Exam																																																
37	Correct Final Exam and Estimate Initial Average Scores for Each School																																																
38	Identify Top 3 Schools & 17 Students - for English and Kannada																																																
39	Conduct Award Ceremony and Give Away Awards																																																

Phase I Plan: Steps to Completion

#	Process Step	10/10	10/24	11/7	11/21	12/5	12/19	1/2	1/16	1/30	2/13	2/27
		09	09	09	09	09	09	10	10	10	10	10
1	Conduct Survey of Schools in Hanur Taluk											
2	Interview Block Education Officer, Hanur Taluk											
3	Define Scope for Project (Skills, Schools, Students)											
4	Present Goals and Scope to BEO and School Principals											
5	Identify Mentor (Retired Educator) for Project											
6	Present Final Report on Phase I to BEO and School Principals											
7	Announce Plan for Phase II											
1. Create Model Schools												
8	Interview School Teachers and Identify Intervention Materials											
9	Purchase Intervention Materials											
10	Distribute Materials											
11	Set Initial Exam (to Test All Subjects)											
12	Administer Initial Exam (350 Students, All Subjects)											
13	Define Criteria for Exam Correction											
14	Correct Initial Exam and Identify Top 100 Students for Fun Projects											
15	Identify Fun Educational Projects											
16	Kickoff Fun Projects (20 Groups) and Awards Program											
17	Conduct and Monitor Progress on Fun Educational Projects											
18	Conduct Fun Project Competition and Identify Top 3 Projects											
19	Distribute Awards to Top 3 Projects (Students & Teachers)											
20	Identify Topics for Live and Interactive Seminars											
21	Conduct Interactive Seminars											
22	Conduct Final Exam											
23	Correct Final Exam and Identify Top 2 Students Per Grade											
24	Distribute Awards to Top 2 Students Per Grade											
2. Improvement Select Skills Across All Schools												
25	Identify Skills for Intervention											
26	Select Skill & School Subset (Hanur Obl) for Phase I											
27	Identify Intervention Materials for Handwriting Project											
28	Purchase Materials for Handwriting Project											
29	Set Initial Exam (to Test Handwriting)											
30	Administer Initial Exam (17 Schools, 3000 Students)											
31	Distribute Materials to all Schools and Students											
32	Define Process and Incentive Program to Kannada & English Teachers											
33	Define Criteria for Exam Correction and Ongoing Inspection											
34	Correct Initial Exam & Estimate Initial Avg Scores for Each School											
35	Inspect Schools for Progress (Material Usage and Skill Improvement)											
36	Conduct Final Exam											
37	Correct Final Exam and Estimate Initial Average Scores for Each School											
38	Identify Top 3 Schools & 17 Students - for English and Kannada											
39	Conduct Award Ceremony and Give Away Awards											

Please contact Vasuki Subbarao (VSubbarao@Ariba.Com or +91 997 203 1318) if you have questions on this report. We look forward to hearing from you. This document has the following appendices:

1. Fun Educational Projects Taken Up in Model School for Phase I
2. Select Photographs from School Visits
3. Select Receipts from Phase I Purchases
4. Average School Level Scores on Initial Handwriting Exam

APPENDIX 1: Fun Educational Projects Taken Up in Model School for Phase I

Gp #	Teacher	Student Name		Fun Project
		Name	Std	
1	Mahadev-amma M.	M. Rohini	6	Enact lifestories on domestic animals
		R. Sushmita	6	
		B.Nethra	7	
		Ashwini S	8	
		Divya S	8	
2	Mahadev-amma M.	R. Shekaraju	5	Create a treasure hunt game around historical events
		M. Ningaraju 2	6	
		D.Lali	7	
		Jyothi N Lavanya M	8	
3	Naga-rathna D.	R. Sanjayprakash	4	Create flags of at ~30 countries and provide the history of each flag
		M. Ningaraju 1	6	
		K.Roja	7	
		Madhukumar B Mahadeva Prasad M	8	
4	Jyanthi F.	M. Kiran	4	Learnings about food items
		R. RajU	6	
		K.sowmya	7	
		Mahalakshmi C Mahendra C	8	
5	Jyanthi F.	M. Jyothi	4	Build model body organs using clay and plaster
		R. Raju	5	
		M.Kasturi	7	
		Malini M Mangalamma M	8	
6	Jyanthi C.	M. Harshita	6	Create greeting cards for different occasions
		Pavan	6	
		M.Priya darshini	7	
		Manjunatha P Nagarathnamma N	8	
7	Jyanthi C.	L.Rajeshwari	4	Create collages on enviroment, cleanliness, world leaders & world wonders
		P. Mahalakshmi	6	
		M.Rangaswamy	7	
		Nagesha V Nataraju V	8	
8	Shiva-kumar	P. Mahadevaswami	4	Build a clay replica of Hampi town
		L. Kirankumar	6	
		M.Sanjay	7	
		Naveenkumar J Nethravathi B	8	
9	Shiva-kumar	K.Baby	4	Grow a vegetable garden
		N.Triveni	4	
		Megha	7	
		Pallavi B Rajappa B M	8	
10	Shiva-kumar	K.	4	Build a gober gas plant
		Shivamahadevamma	4	
		N.Shivaraju	5	
		Rajendra.R	8	
		Roopa V Sharath Kumar V	8	
11	Shiva-kumar	N.Kavya	7	Make origami items on paper and paint them
		K. Mamatha 2	4	
		N. Pooja	5	
		N.Madhura Savitha D	7	

Gp #	Teacher	Student Name		Fun Project
		Name	Std	
12	Savukar-aju	K. Harshita	5	Description of various professions
		N. Manjula	6	
		Vanajakshi	6	
		N.Raghu	7	
		Sheela R	8	
		Shilpa M	8	
13	Savukar-aju	N. Mallesha	5	Create min-models of irrigation projects (e.g. drip irrigation)
		Sudha	5	
		J. Rashmi	6	
		R.Deepa Shivaswamy K	7	
14	Savukar-aju	Rachappaji	7	Create a magazine for Kannur (first edition)
		N. Divya	5	
		S.Shwetha	5	
		S.P.Sahana Suvarna M	7	
15	Savukar-aju	B. Sindhu	4	Plant trees in Kannur village
		S. Preethi	5	
		N. Chaitra	6	
		S.Sachin Vasanth K	7	
16	Naga-rathna D.	B. Sudha	5	Create models and sketches of musical instruments
		N. Akash	5	
		S. Pavan	5	
		S.Sowmya Vedakumari S	7	
17	Shiva-swamy	N. Abhilasha	4	Create map of India and a chart a train showing events around independence
		Annapoorna	5	
		S. Mahesha	5	
		V.Praveen Veena K	7	
18	Shiva-swamy	M.Shivaprasad	4	Grow a flower garden
		Anil Kumar	5	
		Rajesha	5	
		V.Ramesh Vijayalakshmi D	7	
19	Savukar-aju	Sanath S.	7	Create a map of Kannur village
		Suman	3	
		Ambika	4	
		Chaitra R. Chetan S. Raghu G.	5	
20	Savukar-aju	Nagesha V	8	Build a house with electric wiring and mini-appliances

APPENDIX 2: Select Photographs from School Visits

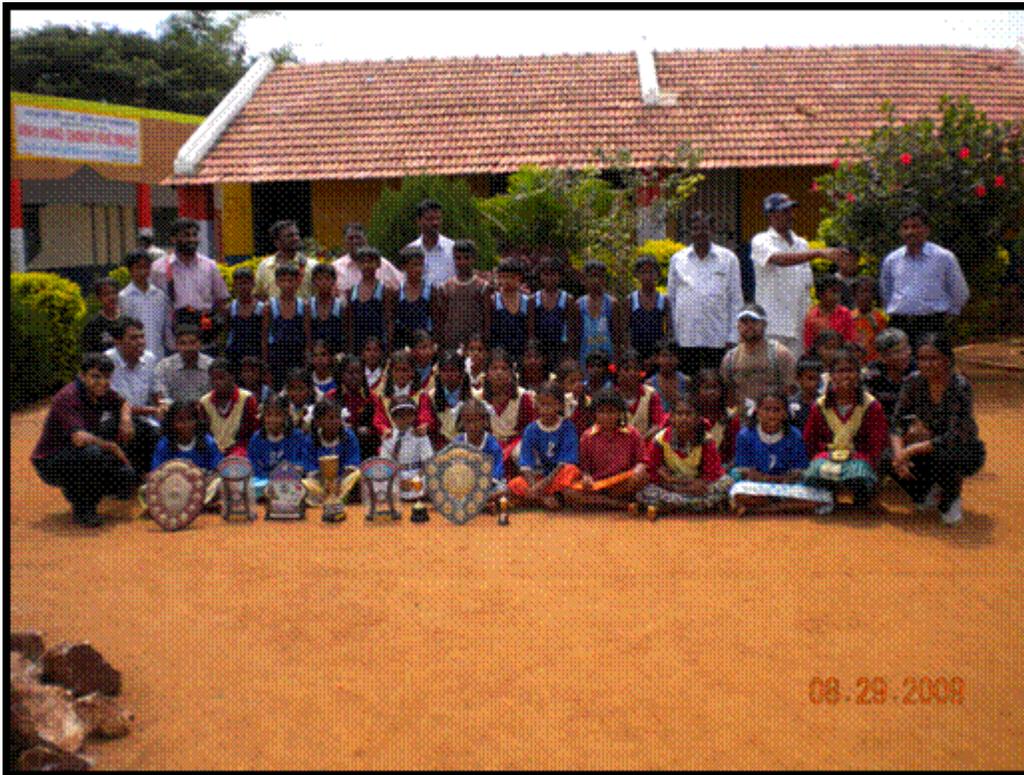
1. Students Taking Initial Exam for Handwriting Project



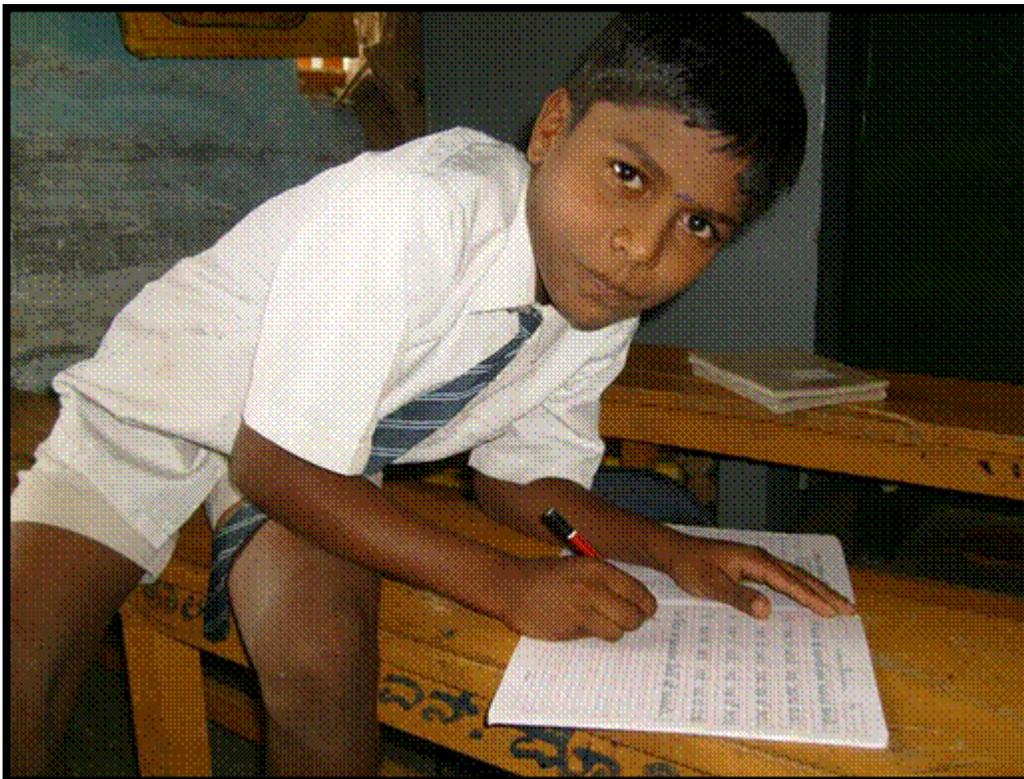
2. Terra Firma team with Teachers at Kannur School (Model School)



3. State Level Prize Winning Kho-Kho Team at Kannur School



4. Student Practicing Handwriting at One of the Hanur Hobli Schools



5. Students Having Fun Time



6. Students with their Copywriting Books



7. Distribution of Plates and Other Materials to Kannur School (Model School)



8. Students Playing Kho Kho at Kannur School (Model School)



APPENDIX 3: Select Receipts from Phase I Purchases

1. Copywriting Books for Handwriting Project

No. 667		INVOICE / CASH BILL		Date 22/6/09		
 JANAPADA PRAKASHANA No. 57, First Main Road, Yeshwanthpur, Bangalore - 560 022.		To The President VASOKI SURESHKAR M/s AASHAYKIN Foundation No. 100A Lalaxmimurug Block Aragal, exchimmur. J.P. Nagar Yeshwanthpur. Bangalore				
Sl. No.	Title of the Book	No. of copies	Rate Per Copy		Amount	
			Rs.	Ps.	Rs.	Ps.
1)	Kannada Book I.	492	30.00		12260	00
2)	Kannada Book II.	497	30.00		14910	00
3)	Kannada Book III.	426	30.00		12780	00
4)	Kannada Book IV.	450	30.00		12500	00
5)	Kannada I.	44	50.00		1220	00
6)	Kannada Book VI.	48	25.00		1200	00
7)	Primary Cursive writing Book I.	497	30.00		14910	00
8)	Primary Cursive Book II.	426	25.00		10650	00
9)	Primary Cursive Book III.	450	25.00		11250	00
10)	Primary Cursive Book IV.	562	25.00		14050	00
11)	Primary Cursive Book V.	611	25.00		15275	00
12)	Sliggest Cursive writing (Capital letters)	802	25.00		20050	00
					142155	00
					50100	00
					92051	00
					3500	00
					89551	00
less 89551 = 00						
Books once sold cannot be taken back or exchanged.						
For JANAPADA PRAKASHANA 						

2. Stationery for Handwriting Project

KST No: 70320779 CST No: 70370771 TIN No: 29900092152		OM TAX INVOICE		Ph: 22872774 22207141 41513937	
BHAGAVAN KRISHNA TRADERS					
Dealers : Student Note Books / Greeting Cards / Dairy / Wedding Cards NCERT Text Books / Telephone Index & Calenders No. 25, Mamulpet, Bangalore - 560 053.					
No. 1218	<i>Crude</i>			Date 21/6/2009	Time.....
M/s. PASHAYAN FOUNDATION	Bangalore				
Party's TIN No.....					
PARTICULARS	Qty	Rate/Per	Exempted	Sale 4%	Sale 12.5%
PENCILS 6200				14740.00	
ERASER 3360					2688.00
SHARPNER 3360					8064.00
PAPER 50		250		7500.00	
<i>PAID BY Cheque</i>					
Received the materials in good condition			SUB TOTAL		
Receiver's Signature with Seal			VAT/CST		
			TOTAL		
			GRAND TOTAL		
			For BHAGAVAN KRISHNA TRADERS		
1. Goods once sold cannot be taken back or exchanged 2. Please check up the goods purchased from us before leaving the shop on taking delivery. 3. Our prices are 1st and final No changes will be taken place once the goods are sold. 4. Payment should be made within 15th Day, if not 18% interest will be charged. 5. Subject to Bangalore jurisdiction					

3. Plates and Spoons for Model School Project

Bhansali Brothers & Co. Manufactures, Dealers & Suppliers Of STAINLESS STEEL WARE OFFICE : 151, Nagarhpel, (Avenue Road Circle) Bangalore - 560 002. TIN : 29400068662 KST: 91003556 } Dt. 4-1-68 CST: 91053559 } Bankers: Canara Bank, Avenue Road, Bangalore -2 HDFC Bank, Kaaveri Bhavan, Bangalore -9		BHANSALI BROHTERS & Co., Branch Office Cum Showroom # 10, Appajappa Agrahara, 1st Main Chamarajpet, (Near Prakash Cafe) BANGALORE: 560 018 Credit Bill Sale		ORIGINAL-BUYER'S COPY 1 Factory : #273/3, 15th Cross, Bhuvaneshwari Nagar, (9th Cross Left Side of Magadi Road) Bangalore -560 023 Phone - Office : 22224091 22214305 41511305 Fact : 23350605 Fax : 22224091 E-mail : bhansalibros@ainfbroadband.in bhansalibros@vsnl.net	
✓ M/s. AASHAYEIN FOUNDATION #67/1, 6th Main Road, Chamrajpet Bangalore-18 <i>(Ch No. 248267)</i>		INVOICE No. 11484 /2007 Buyer's KST/CST/TIN Date 20/02/2009 Time 08:24:53 PM			
YOUR ORDER			OUR REFERENCE		
We have despatched		Cases By			
RR/LR No.	Dated	Freight Rs.			
Through					
Sl No.	PARTICULARS	Quantity	Unit Price	Rs.	Amount Ps.
1	S.S. DOMETIC UTENSILS Rampatra 22g 6.5 AMCO*	350.000 NOS	13.00		4550.00
2	Khumcha 26g - 10 BRT*	70 KG	150.00		10500.00
		15652.00 VAT @ 4%	On Rs.	15050.00	602.00
			Total :		15,652.00
RUPEES FIFTEEN THOUSAND SIX HUNDRED FIFTY-TWO ONLY E. & O. E. TERMS OF PAYMENT : No refund of Sales Tax/ Central Sales Tax/ and or other taxes of any kind will be made. In case of further assessment of sales tax on this transaction by the authorities the tax levied will be recovered from you interest @ 18% will be charged on over due accounts. Any goods supplied to order will not be taken back. We are not responsible for shortage and breakage, as every care is taken in packing and despatching the goods. SUBJECT TO BANGALORE JURIDICATION Buyer's Signature <i>Chamish</i> Checked by Partner/Manager					

Appendix 4: Average School Level Scores on Initial Handwriting Exam

School Name	Average Scores per Standard per language (0 Min to 10 Max)													
	I		II		III		IV		V		VI		VII	
	Kannada	English	Kannada	English	Kannada	English	Kannada	English	Kannada	English	Kannada	English	Kannada	English
BYRANATHA	0.1	0.1	3.0	2.1	2.5	2.6	2.8	2.7	3.4	3.3	3.3	2.5	3.3	2.1
NAGANATHA	1.7	1.8	2.4	2.2	2.7	3.2	3.9	3.7	3.0	2.8	4.3	3.3	4.0	2.7
CHANGAVADI	0.7	0.1	2.4	2.4	2.9	1.9	3.3	2.8	3.7	3.2	4.2	4.0	3.6	2.9
CHINCHALLI	-1.0	0.4	2.0	2.0	2.0	2.3	3.2	3.1	2.7	2.9	2.8	2.7	3.6	4.0
ALAGUMOOLE	-3.0	-0.4	2.5	2.2	2.3	2.4	3.4	3.1	3.5	2.9	4.2	2.5	N/A	N/A
SHOGYA	1.8	2.1	5.2	5.8	6.0	6.9	5.3	6.1	6.1	4.9	6.0	4.5	5.8	4.0
HALGAPURA	5.8	5.5	5.6	4.7	5.0	5.5	4.1	5.9	5.2	6.2	4.2	3.7	5.5	4.9
HANUR	2.7	1.7	5.2	4.1	4.0	4.3	6.0	4.9	6.8	6.9	6.2	4.6	6.3	4.6
MANGALA (URDU)	0.0	-0.3	2.0	2.8	2.9	2.3	2.8	3.7	3.3	3.8	3.6	3.7	3.1	3.2
MANGALA (KANNADA)	0.8	0.2	2.5	2.7	3.4	3.0	2.3	2.6	2.9	3.1	3.3	2.8	3.1	3.0
MT DHODDI	-5.0	-5.0	2.8	0.3	5.4	4.6	5.3	5.4	5.6	5.9	5.3	4.2	4.0	3.5
KVN DHODDI	-2.8	-3.8	4.2	4.4	6.4	6.3	5.9	5.5	6.3	6.4	6.9	7.1	6.5	6.4
MANAGALI	0.6	1.1	2.0	0.8	3.8	3.1	4.2	4.4	7.1	6.8	3.8	3.0	4.9	4.4
BANDALLI KANNADA	-0.6	-0.1	1.8	3.2	3.9	2.7	5.9	4.4	6.6	6.3	5.8	3.2	6.5	5.6
BANDALLI URDU	N/A	N/A	N/A	N/A	4.0	6.0	4.5	6.0	6.7	6.0	7.8	6.5	5.8	5.5
ELLEMALA	N/A	N/A	5.4	3.3	5.9	4.2	5.3	3.9	6.9	5.5	6.4	3.7	6.8	3.5
CHIGATAPURA	N/A	N/A	N/A	N/A	N/A	N/A	7.0	4.0	6.0	3.0	5.7	3.3	6.4	4.3

	Lowest Average score
	Highest Average score
	Not Applicable