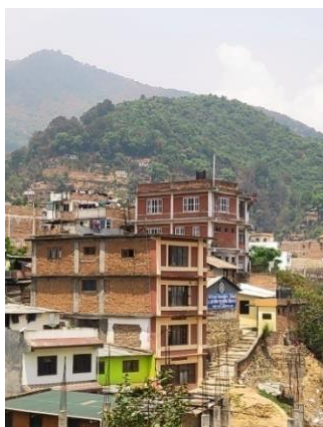# Proposal on Math Lab
Shree Halchowk Madhyamik Vidyalaya (Secondary School)
Halchowk, Swyambhu

School Area

School

Introduction

Halchowk Madyamik Vidhyalaya (Secondary School) is situated in Halchowk, Ward 3, Shree NagarjunNagarpalika,West of Kathmandu Valley, East of Nagarjun Jungle, North of Sitapaila and South of Halchowk Bhariab Temple. This is a government school. The environment of the area is very good. There are more indigenous Newar community people such as Putuwar, Nagarkoti, Rajbahak etc who are deprived from basic education and awareness. There are more financially deprived children. Most guardians are laborers.

Shree Halchowk Secondary School was established in 1979 (2036 B.S.). The school has 2 buildings, 3 trusses with total of 13 rooms, one hall and two toilets (one for boys, one for girls). There are total of 266 students, 20 teachers and 3 general staff members. The Principal of this school is female and she is trying her best to improve the school.

Students Playing

The school is focusing to provide quality education to the children. With the development of technology and information the school plans to installed computers and provide access to internet to all the students. It is also planning to change provide good physical infrastructures including desks, benches, more toilets, drinking water facility, good library, and science labs and math lab as per the needs of the students. All the infrastructures is planning by doing by school management with the help of others partners organization. So the school management is requesting for the installation of math

Lab in the school. The math lab provides an opportunity for the students to discover mathematics through doing. Many of the activities present a problem or a challenge, with the possibility of generating further challenges and problems. The activities help students to visualize, manipulate and reason.

Objective:
1. To provide hands on learning opportunities for the students.
2. To motivate students to master math skills and problem solving techniques.
3. To improve the students' ability to learn mathematics.

Action Plan:

S.N	Activities	Date	days	who	What to do	How
1	Group Discussion of the Committee Members		2	Committee Members	Discussion	Meeting
2	Research and list the Math Equipment		10	Committee Members	Discussion	Meeting
3	Research in the market for the pricing		3	Committee Members	Visit Market	Visiting
4	Buy the math equipment from selected shop		2	Committee Members	Visit Market	Buying
5	Transport Equipment in the school premises		1	Committee Members	Transporting	Through Vehicle
6	Installed equipment in the market		2	Committee Members	Installation	Field Work
7	Ready for use….		….	Students & teachers	Practical……	……….

Budgeting

SN	Math Equipment	Quantity	Rate	LSF Share	School Share	Total
1	Set of 125 pcs. in 5 colors	1	755	755	-	
2	Decimal Abacus 70 beads with 7 wires	1	755	755	-	
3	3 D Paper Nets	1	411	411	-	
4	Transparent Geoboard 11cm*11 cm	1	377	377	-	
5	Double Sided Geoboard	1	497	497	-	
6	Geo Geometry Stick(Set of 24 pcs)	1	3123	3123	-	
7	Geometry Kit(set of 7 sticks)	1	480	480	-	
8	Exterior Angle of Regular Polygon	1	1,355	1,355	-	
9	Construction Parabola	1	514	514	-	

10	Cyclic Quadrilateral	1	669	669	-	
					-	
11	Angle Sum Property of Quadrilateral	1	669	669	-	
12	Angle Sum Property of triangle	1	446	446	-	
13	Ratio of Area of similar Triangle	1	446	446	-	
14	Color Figures (3D Shapes)	1	560	560	-	
15	Area of Circle – Same as derivation of pie	1	531	531	-	
16	Base Ten Stamp Set (set of 4 pcs)	1	926	926	-	
17	Base Ten Stamp Set (set of 4 pcs)	1	926	926	-	
18	Decimal Kit	1	909	909	-	
19	Cuisenaire Strips	1	1,046	1,046	-	
20	Factorixation Tiles	1	772	772	-	
21	Integer Counter 18mm (set of 100 pcs. In 2 color)	1	909	909	-	
22	Tangram Plastic	1	737	737	-	
23	Magnetic Fraction Bar	1	1,990	1,990	-	
24	Magic Ring – Angle in a Circle	1	360	360	-	
25	Measuring Tape 3 Meter	1	360	360	-	
26	Wall Thermometer	1	566	566	-	
27	Jug & Beaker	1	600	600	-	
28	Spring Balance	1	205	205	-	
29	Palm Clock	1	247	247	-	
30	Plastic Dice (set of 4)	1	154	154	-	
31	Junior Pythagoras Theorem	1	514	514	-	
32	Working Model of Pythagoras Theorem	1	3,329	3,329	-	
33	Case 1 (a+b+c)2	1	1,647	1,647	-	
34	Case 2 (a+b)2 – (a-b)2 = 4ab	1	1,647	1,647	-	
35	Cubic Identity	1	2,930	2,930	-	
36	Algebra Tiles Magnetic	1	2,917	2,917	-	
37	Clinometer Compass	1	1,252	1,252	-	
38	Place Value Board Multiplication	1	686	686	-	
39	Place Value Board Multiplication	1	686	686	-	
40	Ascending Card Game	1	686	686	-	
41	Descending Card Game 1	1	686	686	-	
42	Division Board	1	686	686	-	
43	Factor Board	1	686	686	-	
44	Number Card	1	686	686	-	
45	Arithmetic Progression Kit	1	2,076	2,076	-	
46	Geometrical Progression Kit	1	2,076	2,076	-	
47	Magnetic Bottom	1	650	650	-	
48	Magnetic Board (3*4)	1	7,000	7,000	-	
49	Graph Board (2*3)	1	3,900	3,900		
50	Cupboard	2	20,000	-	40,000	

51	Table	5	5,000	-	25,000	
52	Transportation		5,000		5,000	
53	Communication		2,000	-	2,000	
54	Miscellaneous		5,000	-	5,000	
	Total			**57,035**	**77,000**	
	VAT 13%			**7,415**		
	Project management & reporting			11,407		
	Grand Total			**75,857 (49.6%)**	**77,000 (50.4%)**	**152,857**

Monitoring & Evaluation

According to the decision of the Math Lab Project Committee, the school management committee will observe the project in running phase and as well as in the completion of the project. The committee will submit the progress of the work frequently. The follow up will be done through school management in oversee of the math lab project committee.

Committee Members:

1. Karuna Tiwari (ACM) – Leader
2. Gyanda Adhikari (Principal) – Leader
3. Chanda Gajurel (Math Teacher) Member
4. Kausalya Satyal (Math Teacher) - Member
5. Laxman Neupane (Math Teacher) - Member
6. Pradeep Acharya (Math Teacher) – Member
7. Supriya Putuwar (LSF/E4E Girl) – Member
8. Anushka KC (LSF/E4E Girl) Member