INTRODUCTION TO PROJECT

Science for kids? Surely it begins at home. When kids grow up in science-friendly homes, they are encouraged to ask questions, think critically, experiment, explain their reasoning, read, write, create models, and watch science programs on TV. We want to make Science accessible for our kids from deprived families

STEM Learning was conceptualized with an aim to inculcate basic concepts of Science, Technology, Engineering, Mathematics at school level, thereby encouraging inclination of students / learners towards science and technology. Models designed by STEM help students in identifying and experiencing the actual concepts which they learn from textbooks making it more practical in approach

OBJECTIVE

- To ignite scientific interest in children so that
- To Question intelligently and Learn through exploration and hands on experiments
- To Connect scientific concept with everyday life activities
- To enhance their logical reasoning
- To reduce the fear for Maths and Science
- To promote and encourage students to opt for Science Stream

STRATEGIC AREA OF FOCUS

1. Providing quality teaching aids to improve teaching methods for students from lesser privileged sections of society.
2. Enhancing a positive attitude, learning capacity, and skills of students.
3. Providing a platform where students and teachers can volunteer for customized engagement programs/events.
4. Creating partnerships and collaborating with various stakeholders to ensure sustainability of the project.

BACKGROUND AND PROJECT NEED

The education system in India is undergoing a transformational process with special emphasis on Science and Math education. Science education in India is faced by various practical challenges today. It has been observed amongst the children from marginalized communities that due to lack of concept clarity and resources, most of the children have fear towards Maths and Science. Hence, many fare poorly in examinations and opt out of these studies for higher education. In Spite of many children having interest towards the subject, children are not able to explore beyond classroom settings due to lack of opportunities, resources and guidance.

The Stem Project will give the students of Sparsha to explore the wonders of science and understand the magic of numerical concepts and its implication.

PROJECT EXPECTED OUTCOME

Aptitude of students for learning science and mathematics improved by creating simple, child friendly concepts

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Empowering teachers with easy teaching aids

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Improve teaching pedagogy by use of models in conducting the science and math class through better engagement of teachers in teaching

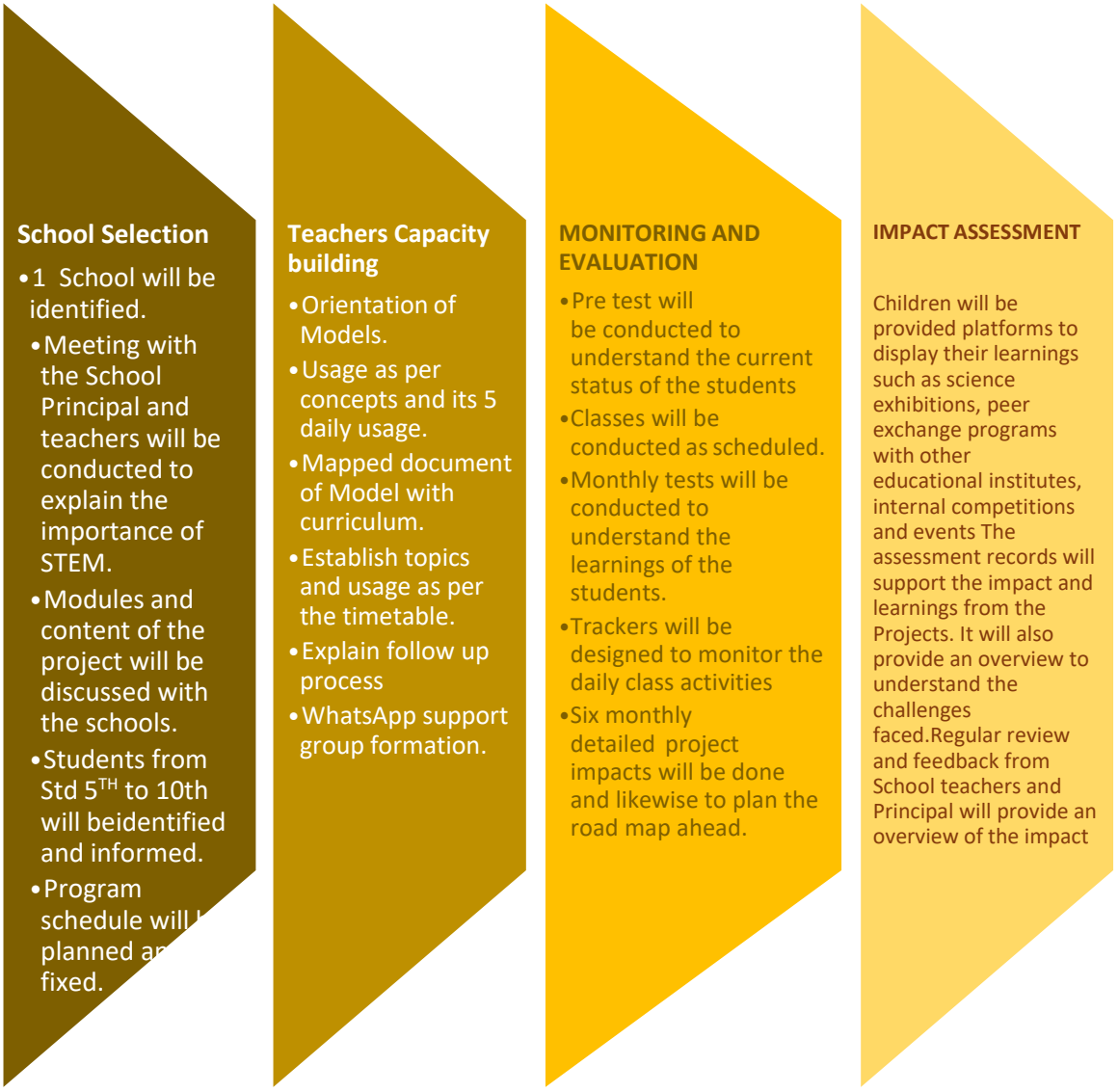
Increased self-confidence in tackling science & Maths classes and projects.

Shift in attitude about careers in STEM.

Gains in 21st century skills, including communication, teamwork, and analytical thinking

Higher likelihood of graduation and pursuing a STEM career..

PROJECT IMPLEMENTATION STRATEGIES



Project detailed budget Attached herewith in separate document

The budget is for 1 school for 1 MSC for 1 Year					
SR.NO	ITEM	DESCRIPTION	COST	NOS OF SCHOOLS	TOTAL
1	MINI SCIENCE CENTRE	80 MODELS + 80 USERS PLACARD+ 40 COLOURFUL BACKGROUNDS + 1 SAFETY PLACARD + 1 TEACHERS MANUAL INCLUDES INSTALLATION, DELIVERY	304,000	2	608,000
		TAXES @ 18%	54720		109440
		TOTAL	358,720	2	717,440
2	TRAINING OF TEACHERS (TTP)	CLUSTER TRAINING (Fresh & Refresher Training)	20,000	2	40,000
		TAXES @18%	3600		7200
		TOTAL	23,600	2	47,200
3	MONITORING & EVALUATION	Base-Line & End - Line	40,000	2	80,000
		TAXES @ 18%	7200		14400
		TOTAL	47,200	2	94,400
4	ANNUAL MAINTENANCE CONTRACT	CLEANING SERVICING & IF REPLACEMENT (if any)	40,000	2	40,000
		TAXES @ 18% (cost applicable from second years)	7,200		7200
		TOTAL	47,200	0	0
5	INFRASTRUCTURE	SET UP OF PLATFORMS & ELECTRIC CONNECTIONS	40,000	2	80,000
		TAXES @18%	7,200		14,400
		TOTAL	47,200	2	94,400
TOTAL A (1+2+3+5)			**476,720**		**953,440**
6	Sparsha Charitable Trust	administrative cost @ 5% (B)	23,836	2	47,672
GRAND TOTAL			**500,556**	1	**1,001,112**