

THE MAGIC OF TLM IN ACTIVITY BASED LEARNING

TEACHER	Padhiyar Mukeshbhai Bhagvanbhai
SCHOOL	Shri Refda Primary School, Barvala taluka, Botad-382255
PHONE NUMBER	9601-2886-01
E-MAIL	m.b.padhiyar20912@gmail.com



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Shri Mukesh Padhiyar who is originally from Ahmedabad was posted at Shree Bela Primary School of Barvala taluka of Botad district as assistant teacher in March 2007 and then transferred to Refda in 2018. He holds a primary teaching certificate from CN Vidyalaya of Ahmedabad. His area of interest has been to create interesting teaching learning materials (TLMs) for children.

The magic of PRAGNA TLM

While teaching in class 1 and 2 Shri Padhiyar noticed high absenteeism in students. He was unable to give them individual attention that each class had around 89 students in Class-1 and 91 in Class-2. There was also a lack of adequate teaching resources to make learning interesting for the students. To overcome these issues, he came up with the idea to create interesting T.L.Ms for students. These activity-based learning methods are called “Pragna” in Gujarati. His ideas manifested in the form of Adarsh Pragna Varg (Ideal activity-based learning classroom) which involved the following activities.

Talking Walls. He decided to use the walls and staircases of the classroom and the school for creating the TLMs. The walls were around 25 to

30 feet long and 12 to 15 feet wide. Mr. Padhiyar painted the walls and stairs in black at negligible cost. These black coloured walls and stairs were used to write and give more information about the current unit of the syllabus according to the Study card. After the unit was over, information about the next unit was similarly displayed.

Paver Block and Basement. Shri Padhiyar designed a project whereby the paver block and basement was converted into a type of activity centre. Games and activities including educational puzzles, numbers and basic alphabets were available here. The activities were such that the children could do them independently during their free time and during recess hours.

Words-number garland. The classroom was decorated with garlands made from cuttings of about 1300 different words and numbers. This TLM familiarised the children with numbers and improved their vocabulary.

Study cards. Shri Padhiyar has created study cards that help the students in revising their lessons and strengthening their reading, writing and counting skills. The cards also accomplished the aim of Mission Vidya and remedial classes. Using the computer, he created and then laminated around 4000 cards for language and maths. The TLMs he created for the children are:

- Unit based cards – more than 1200
- Micro cards – more than 2000
- Strip T.L.M
- Reading Set – more than 15
- Reusable Card
- Counting Set – more than 10
- Portfolio Card
- Display Board Materials
- Lamination of basic alphabets and number dice
- Dice games card
- Rubber Stamp



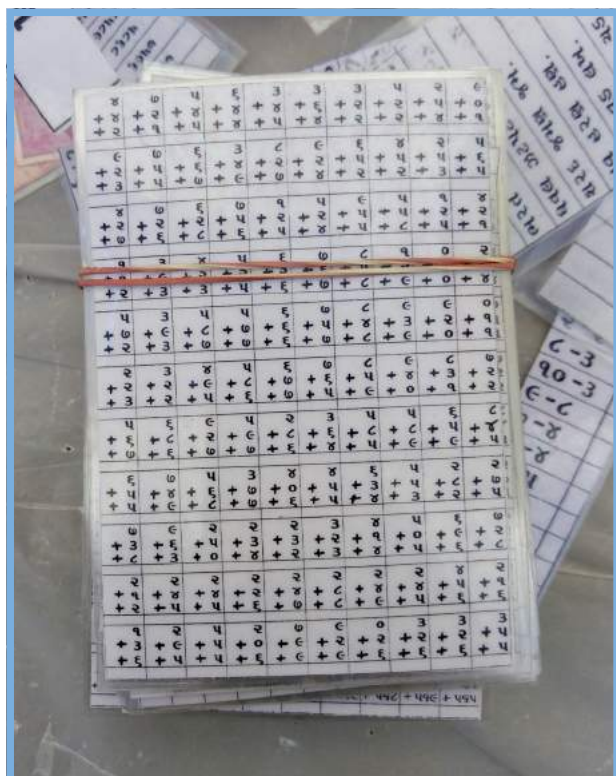
Badge for Literacy

- Word wheel
- Number wheel
- Word Arrow
- Number arrow
- Place value board
- All number knowledge
- Word-Number I-card
- Number knowledge Cup
- Emojis
- Basic alphabets, number game of snakes and ladders
- Puzzle
- Basic alphabets, number coins
- Games with hands
- Writing Proverbs
- Patterns
- Beading TLM
- Beads ladder, Mind game

These were also prepared Class 3-5 (for language, maths and environment).

Remedial kit. A laminated card kit has been prepared for students of classes 1 to 8 in need of remedial work in reading, writing and calculation.

Pragna learning through Animation cartoon. This was the first of its kind project created by Shri Refda Primary School. If students of class 3 to 8 learn using QR codes why should the children of Class 1-2 be deprived of this? In 2019, QR codes were prepared for the students of class 1 and 2 in the subjects of language and mathematics. For Pragna,



Additional Cards



Numerology TLM

different QR codes were prepared according to units such as children's songs, rhymes, stories and other academic and non-academic activities.

ICT was used to teach all the four groups that were part of Pragna. The study cards were animated to make learning interesting and also clarify concepts using the well-loved cartoon characters.

Education through PPTs. PPTs were made as teaching aids to support reading, writing and counting activities. These PPTs are also made to give variety in the ways of learning.

Other material. Shri Padhiyar also made TLMs using materials such as leaves, coins, ice-cream sticks, glass, and old calendars.

Evaluation

With the introduction of TLMs, attendance increased to 92%. Also, academic scores of students improved. The school grade increased from C to A in Gunotsav. This innovative project was also recognised as suitable for replication, and up to April 2020 the kit had been distributed among 4321 schools who have also achieved good results. The Pragna Kit, Remedial Kit and Kit for Class 3 to 5 were also supplied at negligible costs.

