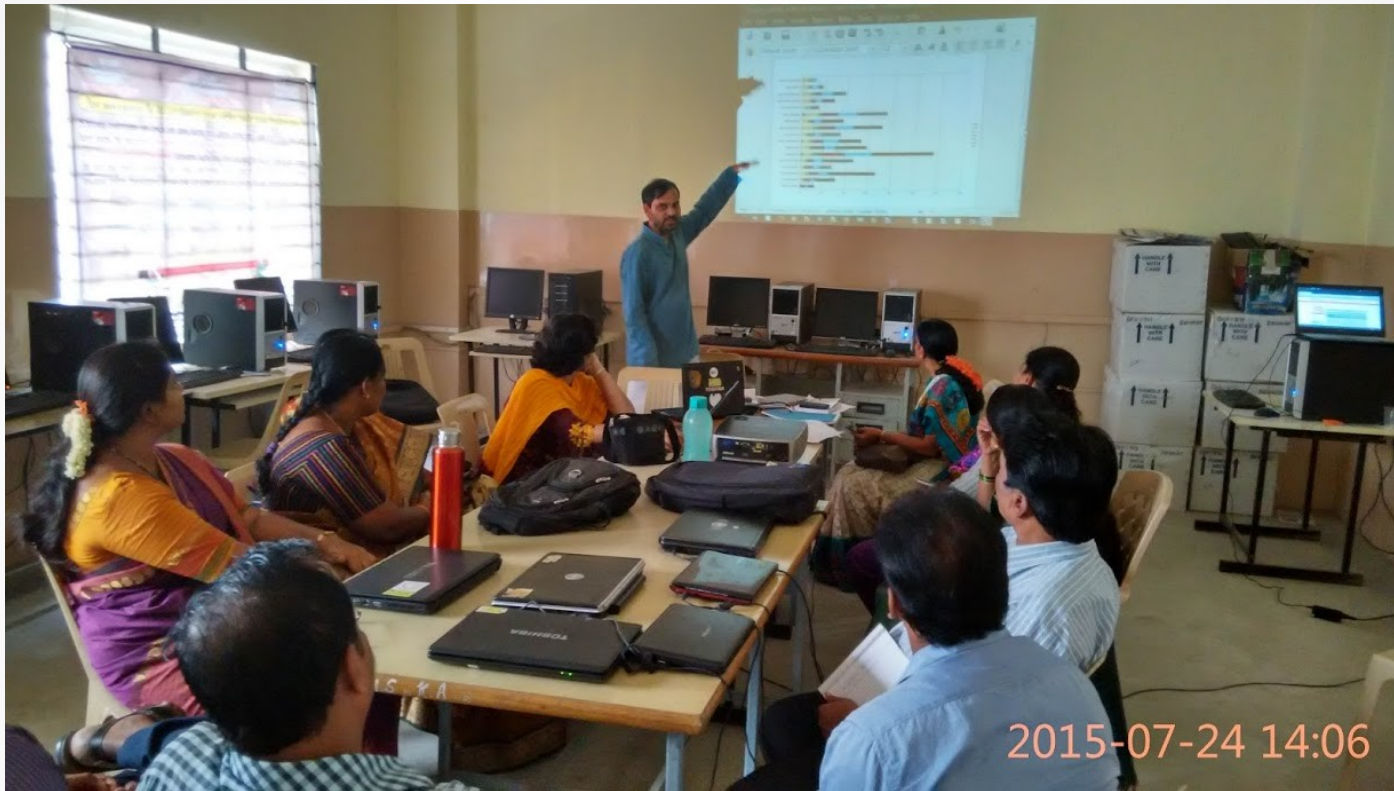


A 'Block' community of learning approach to teacher professional development-Role of ICT



Theme 4 – ICT in Teacher Professional Development (TPD)

Authors → Smt. Radha NA. Assistant Teacher, Government High School, Begur, Bengaluru and
Sri. Gurumurthy Kasinathan, Director IT for Change

Teacher Professional Development

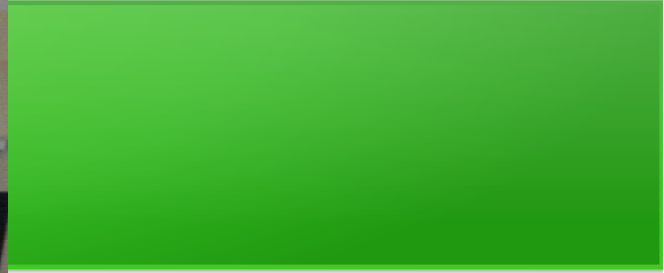
- TPD - Need for CPD
 - Changing contexts, new challenges
- Role of ICT
 - Creating and learning
 - Connecting and learning
 - Community of learning (COL)
 - Mitigate limitations of traditional teacher forums
 - Geographical (space) and temporal (time) barriers

Block COL (with ICT) – Bengaluru South 3

- 3 year program DIET Bengaluru South and IT for Change with teachers from 16 Government High Schools
- Similar geography / contexts in a block
 - Urban (poverty, migration)
 - Challenging home environments
 - Easy distractions
- Common academic challenges
 - Limited home support, foundational learning
 - Multiple linguistic backgrounds
- Similar administrative challenges

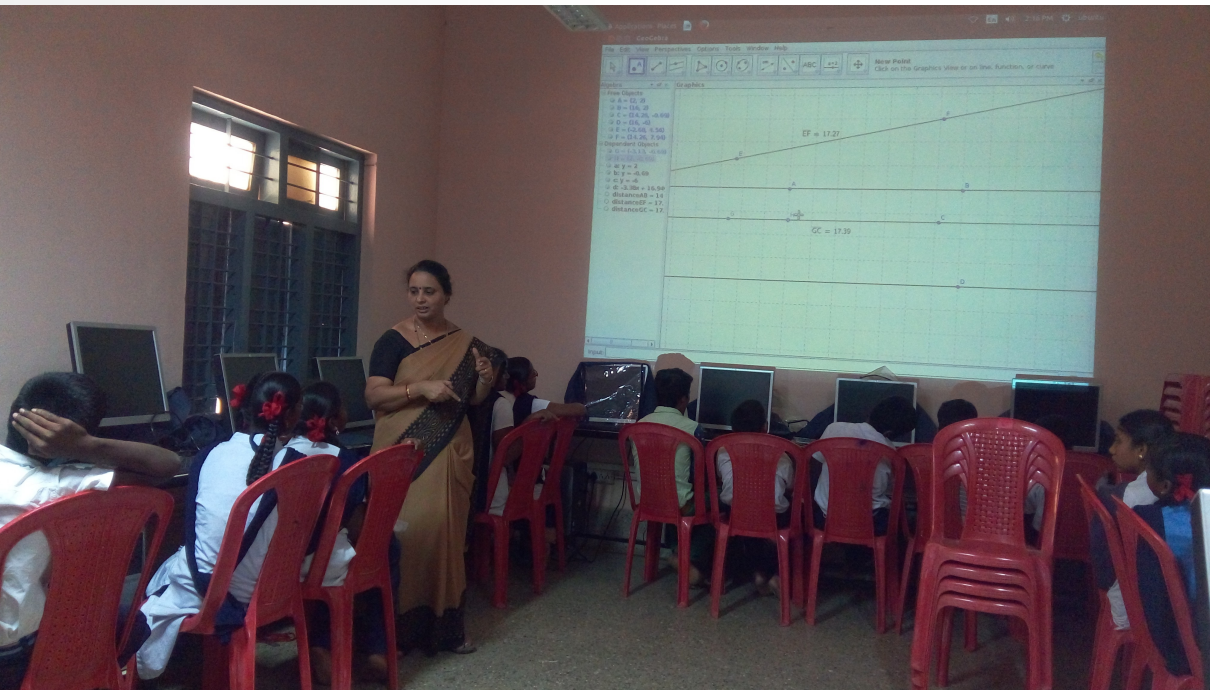
Community of learning processes

- Block level workshops
 - Mathematics, Science and Kannada teachers, 2-3 times a year
 - Head teachers
 - Acquiring digital capacities
 - Sharing digital integration work from school
 - Workshop locations across schools
 - Formal and informal interactions (voluntary participation, more ownership)
- Peer learning
 - Mobile phone based 'always on' interactions
 - On and off-list interactions, phone calls
- Nature of interactions in the COL
 - Mutual respect, empathetic space, sharing resources and seeking help
 - School achievements



Community of learning processes

- School level interactions
 - Working with students through digital demonstrations, lab activities



for information to all interested
<https://www.physicsexperiments.in>

3:29 PM

Rekha 9th Block

How to write Table of any two digit number?

For example Table of **87**

First write down **table of 8** than write down **table of 7** beside

8	7		87
16	14	(16+1)	174
24	21	(24+2)	261
32	28	(32+2)	348
40	35	(40+3)	435
48	42	(48+4)	522
56	49	(56+4)	609
64	56	(64+5)	696
72	63	(72+6)	783
80	70	(80+7)	870

This way one can make Tables from 10 to 99 .

Continuity of learning using Whatsapp And Emails

Rekha madam sent an activity for tables... Can anyone explain why it works?

7:40 AM ✓

Radha Stf

It's actually the direct multiplication method what we follow

7:45 AM

It's distributive property

7:48 AM

For ex
(80+7)2

160+14

7:48 AM

170+4

7:49 AM

They are writing it as
16+1=17 and unit digit as 4

7:50 AM

So the product is 174

7:50 AM

+91 98862 14160 ~Naveed Ahmed Parveez



7:50 AM

Radha Stf

Nicely illustrated

7:51 AM

Benefits of the block COL - Peer Learning and mentoring - CPD

- Building familiarity with using ICT tools
- Sharing of innovative ideas and responses to address classroom challenges
- School achievements
- Exploring and experimenting beyond the text book
- Posting problems, questions and quizzes for other members to respond
- Sharing news / information relating to their work – including academic and administrative aspects.
- Resources created by them
- Planning block level programs

Benefits of the block COL

- OER Sharing
 - Foundational materials
 - Assessments / worksheets
- Working towards the humane teacher
 - Relationships amongst teachers
 - Respecting diversity
 - Providing mutual support and encouragement
- School communities of learning spawned

Challenges

- Varying interest levels
- Existing work load
- Critical thinking development, time consuming, easy resource sharing and use, a challenge
- Balancing between being too lenient and too strict on 'irrelevant posts'

Suggestions for a block COL

- Building similar forms for teachers teaching all curricular areas.
- Moving beyond the current focus on subject-content learning, to larger issues of secondary education – gender, adolescent education (counseling, life skills)
- Bridging the school and community of parents / local community
- Need to connect across subject COLs to bring in common concerns of education.
- Block level COL should include the educational officers and teacher educators
- Block level important events and discussions should be shared across in the state level COLs for wider dissemination.
- Block COL should connect high school teachers to higher primary teachers, for mutual learning, mentoring and support.