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# ICT Teacher Training Model for Developing Shared School Technology Leadership

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# Background

- Eklavya School (Gujarat, India)
  - ICT for Literacy Learning for Disadvantaged Children at Eklavya School
  - Extension of ICT throughout School Curriculum
  - Need for ICT Teacher Training
  - Since 2001 Training Model is implemented in 6 other primary schools within area.
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# Barriers to ICT Teacher Training

- Teachers' preference for traditional teacher-centered instruction as opposed to student-centered instruction.
  - Belief among some teachers that the mere use of ICT could make lessons more motivating and exciting to the students.
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# ICT Teacher Training Model

- Theoretical Basis: Constructivist Learning

## **Technology in Learning Framework**

- Technology as tool to support knowledge construction.
- Technology as information vehicles for exploring knowledge to support learning-by-construction.
- Technology as context to support learning-by-doing.
- Technology as social medium to support learning by conversing.
- Technology as intellectual partner to support learning-by-reflecting.

(Adapted from Jonassen, Peck, Wilson 1998)

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# Assumptions

- School leader practices instructional leadership.
  - School leader has a vision for school technology in terms of improving teaching and learning processes.
  - School leader is active in fostering the necessary conditions for providing teachers with professional development opportunities.
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# Components of ICT Teacher Training Model for Shared School Technology Leadership

## Four Key Components

1. Study of the Role of ICT in Teaching & Learning Processes
  2. Application of ICT for Learning
  3. Planning for ICT in Classroom
  4. Managing Classroom Learning Supported by ICT
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# Components of ICT Teacher Training Model for Shared School Technology Leadership

## Ongoing Professional Development

- Development of Learning Community
    - Mentorship
    - Joint Lesson Plan Development
    - Joint Infusion of ICT into School Curriculum
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# Lessons Learned in Implementation of ICT Teacher Training Model

- School ICT policy not only impacts classroom ICT integration, but also teacher ICT-competencies and ICT teacher training.
  - Teacher incentives play a large role in regular participation in professional development activities.
  - Shared School Leadership is developed through learning communities among teachers.
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# Current Status of ICT Teacher Training among Gujarati Schools

- Need for demonstrating student-centered learning as it takes place in classroom.
  - Need for engaging teachers in student-centered learning themselves.
  - Need for emphasizing range of ICTs useful in impacting teaching and learning processes.
  - Need for school leaders to understand ICT for improving teaching and learning processes.
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# For More Information...

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Thank you.

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