



Teacher Education for Virtual Schools

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Center for Technology in Learning and Teaching

With support from Rick Ferdig & Team University of Florida

2007 Virtual Schooling Symposium



Teacher Education Goes into Virtual Schooling

http://www.ctlt.iastate.edu/~vschool/index.html

With the Universities of Florida and Virginia, Graceland University & Iowa Learning Online

ISU is creating a national model for preservice teacher education

- Future teachers prepared to facilitate VS
- Some graduates will be more aware as a VS Teacher and/or VS Designer

Funded by US Department of Education FIPSE and collaborators





TEGIVS' 3 complementary strategies to take U.S. preservice teacher preparation into virtual schooling are:

- 1. Identifying and building competencies
- Developing curriculum and tools to support virtual teacher education
- Building a national community of VS practice





Key Roles Identified:

VS Site Facilitator: Mentoring & Advocating Local mentor and advocate for student(s) Proctors & records grades etc.

VS Teacher: Pedagogy & Class Management
Presents activities, manages pacing, rigor etc.
Interacts with students and their facilitators
Undertakes assessments, grading etc.

VS Designer: Course Development

Designs instructional materials

Works in team with teachers and a virtual school to construct the online course etc.



Findings





Despite challenges VS implemented as:

- Secondary lab & lecture (4 hours)
- Elementary lab & lecture (4 hours)
- Field experience in VS (5 24 hours)
- Theme within course on Distance Education (45 hours)
- Unit in Instructional Design course (12 hours)
- Theme within a regular Methods course (12 hours)

In

- 4 preservice teacher education degree programs
- 1 masters program for teachers

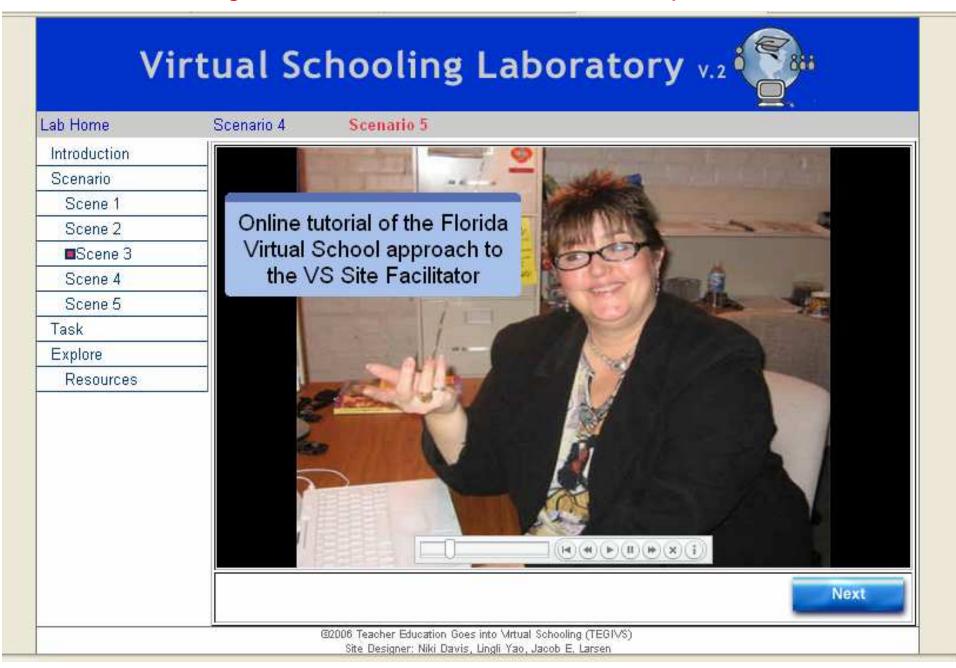


Findings Data from 294 future teachers and 550 graduates

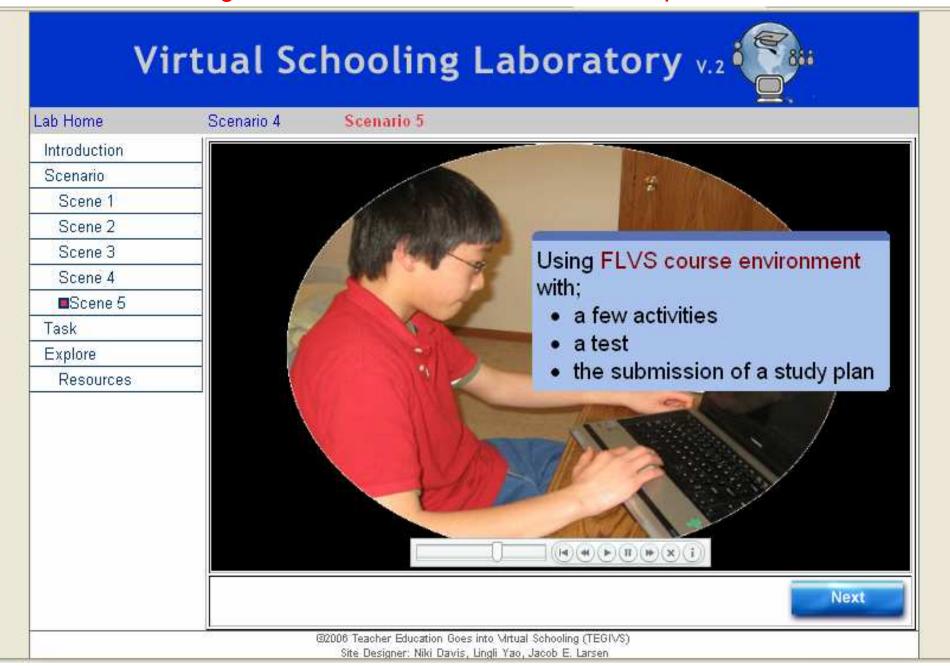
Evidence from usability studies and trials so far:

- Most graduated teachers without VS preparation are not competent to facilitate students in VS (64%)
- Most future teachers agree that VS is important to include in preservice teacher education
- TEGIVS resources can be effective in changing perceptions, as can experience in online learning
- A little field experience can increase confidence to facilitate students in VS (but not to teach VS)
- Preparing for VS instructional design is particularly challenging in preservice programs
- Adaptation into the rapidly evolving variety of preservice courses within programs is challenging, particularly in its rigorous evaluation

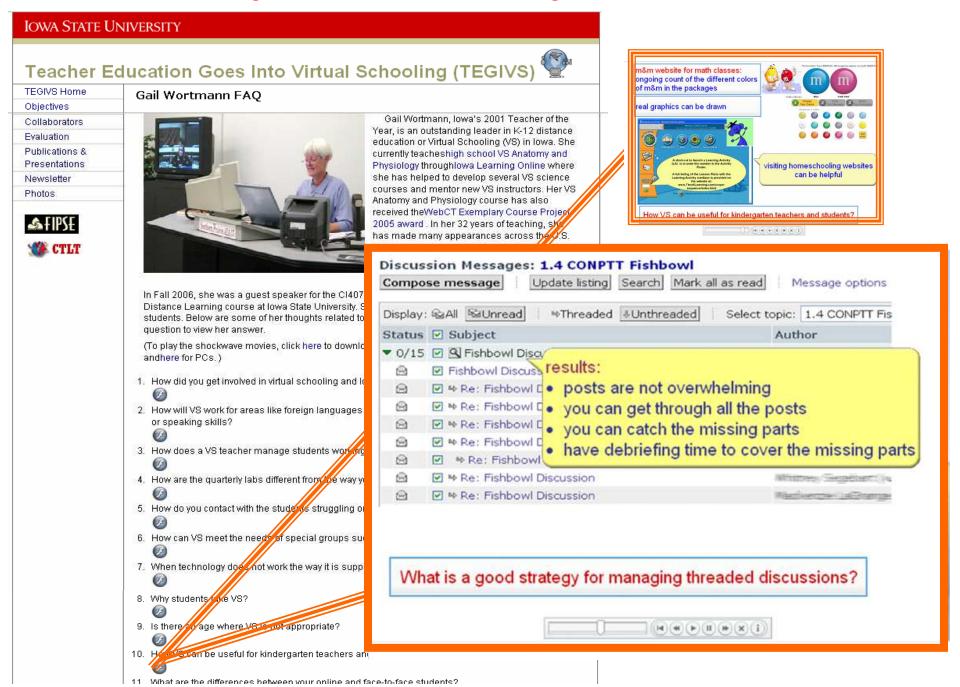
TEGIVS e.g. Scenario Max takes Math from Hospital in Lab Tool



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TEGIVS e.g. FAQ with Iowa Learning Online lead teacher /mentor





Website



http://www.public.iastate.edu/~vschool/

IOWA STATE UNIVERSITY

Teacher Education Goes Into Virtual Schooling (TEGIVS)



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About TEGIVS

Teacher Education Goes into Virtual Schooling (TEGIVS) is a national project leading preservice teacher education programs across the U.S. and the world. Its curriculum development and research prepare future teachers for the twenty-first century phenomenon of K-12 distance education (Virtual Schooling), through which all ages of students are learning from a teacher who is not located in their school. Students in all U.S. states are engaging in VS and the number is growing exponentially. A key to effective practice is teacher support in each student's location, thus, there is a pressing need to prepare all teachers for VS. TEGIVS will provide a model to incorporate VS in teacher education training for preservice programs across the U.S.

This web site was developed under a grant from the prestigious comprehensive program of the Fund for the Improvement of Post Secondary Education (FIPSE), U.S. Department of Education. However, these contents do not necessarily represent policy of the Department of Education, and no one should assume endorsement by the Federal Government. We also wish to acknowledge support from all participating organizations, particularly the Iowa State University Center for Technology in Learning and Teaching (CTLT).

TEGIVS News



TEGIVS Retreats Focus Goals, Celebrates Achievements

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Conclusion



- This project has required a re-examination of the complexity of the professional development continuum, including preservice (see survey on table)
- The medium of delivery, the curricular resources, and the pedagogical strategies of implementation have all provided both affordances and constraints to professional development activities
- The lens of VS professional development promotes a deeper understanding of equity in teaching and learning
- Please join with our developing national community of practice to promote simultaneous renewal in preservice programs, K-12 schools, and Virtual Schools





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