The Evolution of Professional Development
Developmental Mathematics
Pellissippi State Community College
AMATYC 2012

Fall 2008: Full implementation of a completely redesigned developmental math program.
- Traditional lecture → Collaborative learning
- Textbook → Online software
- Classroom → Classroom & Computer classroom

Professional Development
- Two 4-hour sessions + a 2-hour session during college-wide adjunct inservice
  - Focused on:
    - Structure of New Courses
    - Online Software
    - Course Management System
  - Areas that Needed Improvement
    - Philosophy of the Redesign
    - How to Teach in a Collaborative Classroom
    - How to Teach in a Computer Classroom

Fall 2009: Two 4-hour sessions + a 2-hour session during college-wide adjunct inservice
- Focused on:
  - Results from 2008
  - Philosophy of the Redesign
  - Collaborative Activities
  - Online Software
- Areas that Needed Improvement
  - New Faculty Training

Fall 2010: Added New Faculty Training
- New Faculty Training: (4-hour session 10 days before classes begin)
  - Course Structure/Policy
  - Student Information System (Banner)
  - Course Management System (D2L)/Webmail
  - Reports
  - Software Training
- New & Returning Faculty Training: (4-hour session a week before classes begin + a 2-hour session the week classes start)
  - Philosophy & Goals of the Program
  - Curriculum Changes
  - New Reports
  - Modeling New Classroom Activities
Fall 2011: Continued with 4-hour New Faculty Training and 2 sessions for New & Returning Faculty
- Philosophy & Goals of the Program
- Curriculum Changes
- Faculty Handbook
- Modeling New Classroom Activities
- Tying the Classroom Activities to the Software Assignments
- Early Intervention Strategies for At-risk Students

Spring 2012: Continued with 4-hour New Faculty Training and 2 sessions for New & Returning Faculty
- Discussion of Failure Syndrome: Active learning & student engagement instead of memorization
- Interactive Technology Stations: Online software, reports, student information system, course management system
- Tutor Training
- Small Group Stations: different classroom activities—how to implement, how to integrate with software, how to make relevant to students

Fall 2012: Continued with 4-hour New Faculty Training and 2 sessions for New & Returning Faculty
- Reading Strategies for MATH students
- Overview of Course Progression
- Big Picture Activities Focusing on Conceptual Understanding
- Interactive Stations for Modeling Classroom Activities
- Guest Speakers from Student Services: Counseling, Services for Students with Disabilities, TRIO, Behavioral Intervention Team, Student Success Coordinator

GOALS OF PROFESSIONAL DEVELOPMENT
- Promote a community of educators who collaborate to improve the program and student success
- Reinforce the constructivist philosophy of teaching and learning
- Provide the opportunities to experience and create active learning content
- Learn how to integrate technology to improve student learning
- Promote consistency in the courses, programs, and department
- Focus instruction on real-world applications and skills
- Help faculty integrate student support services into their course

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