

Ed 362 \* Instructional Technology

Chapter (6) Lecture  
by  
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### Curriculum: Standards & Benchmarks

- Curriculum, GLEExpectations, MOChecklists
- Curriculum Standard is a Curriculum Goal
- Curriculum Goal is a Expected Outcome
- Curriculum Benchmark is a Learning Objective
- Learning Objective is a Measurable Outcome

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### Technology Integration

- Combination All Technology Components
- Technology & Curriculum Integration (=)?
- HW & SW & Curriculum Specific Levels
- Teachers must realize Technology is a Tool!
- T should not drive C! C should drive T!

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## Classrooms vs Computer Labs

- Technology needs Trained Teachers
- Teacher have Accessible & make Decisions
- Labs Ok at start but Classrooms better!
- Use Technology at Point of Instruction
- Technology present at Teachable Moment

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## Integration of C & T

- Key is Identify! What is accomplished?
- What are Standards & Objectives?
- Identify Appropriate Technology Resources
- Innovation for Diverse Populations
- Provide for various Learning Styles
- Provide for various Teaching Strategies

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## Instructional Strategies

- Students change from Passive to Active
- Teachers change from Dictator to Facilitator
- Motivates, Guides, Promotes, Attitude,
- Appreciation of Self & Life Long Learning
- Changing Instructional Strategies (Paradigms)
- Wellivers Instructional Model Pg 344

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## Barriers to Integration

- Lack of Teacher Technology Training
- Lack of Local & District Teacher Support
- Limited Time for Teacher Planning
- PC Placement & Access Difficultly
- Budget Constraints at Local & District
- Resistance to Change Pg 345 to do!

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## Integration & Learning Process

- Students engaged (active) in Learning Process
- Authentic Learning: Classroom to Real Life
- Active: Gather, Analyze, Use information
- Anchored Instruction: Build on a Base!
- Active: Problem Solving & Discovery Learning

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## Role of School Districts

- Technology Plan: District and Departments
- Technology Plan for ES, MS, HS
- Technology Plan for Buildings
- Technology Plan for Teacher Facilitators
- Technology Plan for Active Students
- Technology Plan for Involved Parents

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## Classroom Integration

- One to Two PCs in a classroom
- Data Projector, PC/TV Converter, etc
- Multi-Computers in a Classroom
- Shared Computer or Learning Centers
- Home Assignments via WWW or Internet
- References, Resources, Investigations, etc

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## Instructional Models

- Know, Want to know, Learn Chart Pg 355
- ASSURE Learning Model Pg 356 ←
- The Learning Cycle (E,E,E,E,E)
- Cooperative or Collaborative Learning
- The Scientific Method (G,D,H,T,C)
- Investigate LC & SC at Wikipedia!

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## Learning Centers

- Classroom Learning Environments
- Specific Learning Positions (Tables)
- Communication Center: Internet & WWW
- Multimedia Center: Interactive Materials
- Production Center: WP, SS, DB, PP, etc...
- Developmental Center: Curriculum SW

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Conclusion

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