

## Instructional Design Institute

From Instructional Method to  
Instructional Media

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## Concerns

- ◆ If I change what I do in the classroom, won't I have to sacrifice some content?
- ◆ How can I provide immediate feedback to students on their quizzes?
- ◆ How can I motivate students to read the text?

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## Initial Assumptions

- ◆ Instructional design is all about meeting educational goals
  - Instructional technologies should be "handmaidens" of your goals
  - Effective use of technologies is not "top down"
  - "Technology for technology's sake" is usually counterproductive

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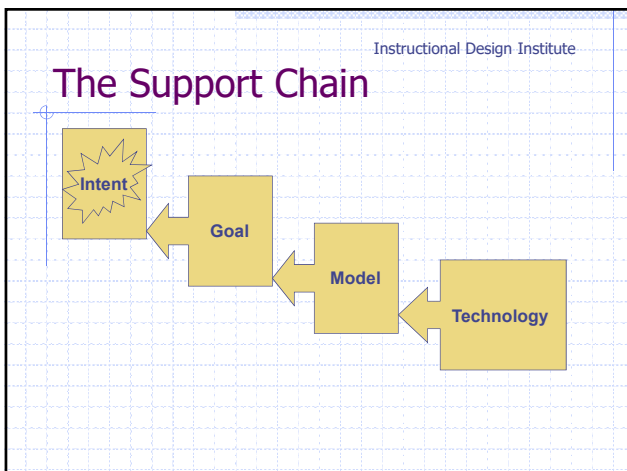
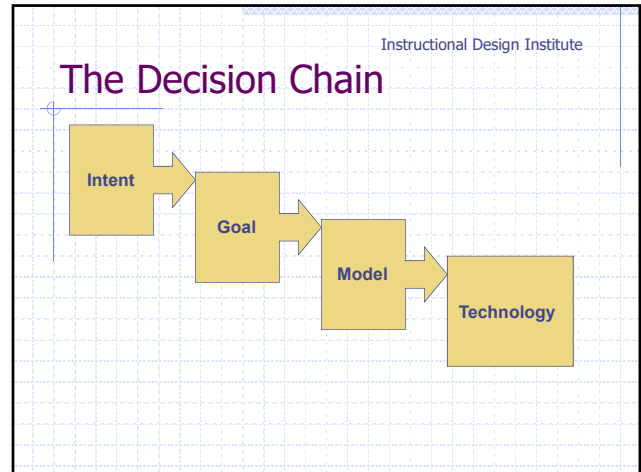
## Initial Assumptions

- ◆ Our focus will be on "new information technologies"
  - "Old technologies" are analog & linear
  - "New technologies" are digital & non-linear

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## Starting Point

- ◆ What is your instructional goal?
  - Intent Statement (#7, p. 60)
  - Goal & Revised Intent (#11, p. 81)
- ◆ Which instructional model?
  - Match goal with learning type (#12, p. 97)
  - Select appropriate model (p. 152)



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## The Big Question

- ◆ Which instructional technologies best fit your instructional model in order to reach your instructional goal?

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## Selection Grid

	Presentations	Digital Media	Web Pages	Courseware	Mediated Discussion	Collaboration	Online Courses	Online Quizzes	Productivity Software
<b>I. Instructor-Oriented</b>									
A. Lecture	X		X	X					
B. Demonstration	X	X	X	X					
C. Drill & Practice			X	X					
D. Quiz & Test				X				X	

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## Instructional Technologies

- ◆ Presentations
  - ◆ Example: Chris Miller's OT Presentations:  
<http://www.cedarville.edu/employee/millerc/>

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## Instructional Technologies

- ◆ Digital Media
  - Still Image
    - ◆ Example: Dennis Sullivan's Human Histology Slides:  
<http://www.cedarville.edu/dept/sm/sullivan/histology/imagemenu.htm>
  - Animation
    - ◆ Example: Joe Francis' Animated Examples of Prokaryotic Cell Division:  
<http://www.cedarville.edu/dept/sm/jwf/division.htm>
  - Audio
    - ◆ Example: Oyez! RealAudio of oral arguments in N.Y. Times v. Sullivan:  
[http://oyez.nwu.edu/cases/cases.cgi?case\\_id=277&command=show](http://oyez.nwu.edu/cases/cases.cgi?case_id=277&command=show)
  - Video

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## Instructional Technologies

- ◆ CIC "Effective Practices" Site
  - [http://www.cedarville.edu/dept/ca/cic/test\\_bed](http://www.cedarville.edu/dept/ca/cic/test_bed)
  - <http://www.cedarville.edu/dept/ca/cic/workshop>

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## Instructional Technologies

- ◆ Web Pages
- ◆ Courseware
- ◆ "The Classroom Flip"
- ◆ Examples of Web Page resources by Instructional Strategy
  - <http://www.cedarville.edu/dept/ca/cic/workshop/strategy.htm>

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## Instructional Technologies

- ◆ Mediated Discussion
- ◆ Collaboration Software


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## Instructional Technologies

- ◆ Mediated Discussion
  - E-mail
  - Listserv mailing lists
  - Chat rooms
  - Bulletin Boards
  - Threaded Discussion

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## Instructional Technologies



The screenshot shows a web browser window displaying an email list. The list includes several entries with dates and times. The selected email is from Kimberly Kucynski, dated Wed, Apr 8, 1998, 14:49. The subject is "Audio Conferencing". The body of the email contains the following text:

Kimberly Kucynski; Andrew Marshall; Sumner Schafer; Kristy Young

AUDIO CONFERENCING: A telephone call with a speakerphone on one end that allows 3 or more people (in 2 or more separate locations) to communicate at the same time.

INTRODUCTION: Teleconferencing systems include any electronic system that allows 3 or more people to

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## Instructional Technologies

- ◆ Online Courses
  - Complete Courses for Distance Education
  - Enhanced Courses to supplement face-to-face courses
- ◆ Online Quizzes

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## Instructional Technologies

### Student Tracking

Personal Information		Access Information			Articles	
Full name	Login ID	First Access	Last Access	Hits	Read	Printed
Sample, Student	1164140	Mar 31 22:02 98	Jun 3 12:41 98	65	5	2
Sample, Student	1154217	Mar 31 17:00 98	May 30 10:17 98	112	8	6
Sample, Student	1112379	Mar 31 20:44 98	Jun 3 0:38 98	52	20	5
Sample, Student	1114393	Apr 2 14:44 98	Jun 2 21:23 98	20	2	1
Baker, Wes	bakerw	Mar 27 15:02 98	Jul 30 13:55 98	130	52	11
Sample, Student	1121458	Mar 31 18:37 98	Jun 2 13:42 98	198	7	1
Sample, Student	1171164	Mar 31 20:50 98	Jun 3 10:28 98	251	2	2
Sample, Student	1152957	Mar 27 18:31 98	Jun 2 15:37 98	86	1	1
Sample, Student	1081888	Apr 1 1:06 98	Jun 2 21:12 98	78	24	4

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## Instructional Technologies

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## Instructional Technologies

- ◆ Productivity Software
  - Word Processing
  - Spreadsheets
  - Databases
  - Statistical analysis
  - Etc.

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## The Big Question Revisited

- ◆ Which instructional technologies best fit your instructional model in order to reach your instructional goal?