

Ed 362 * Instructional Technology

Chapter (5) Lecture
by
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What is DM?

- Information, Computer, Integration Literacy
- Multimedia & Digital Media Literacy
- Define & Examples: Multimedia
- Define & Examples: Digital Media
- Interact, Express, Communicate, Entertain

Digital Media (Artifacts)

- Text (Regular & Hypertext) Pg 280-284
- Graphics: Creation & BMP, GIF, JPEG
- Animation: Creation & GIF or JPEG
- Audio (Speech, Music, Sounds) W, M, MP3
- Video (Full Motion) AVI, MOV, MPEG
- Audio & Video discussed: Pg 282-284

Digital Media (SW)

- CBT: Cognitive & Physical Pg 285
- eBook & eReference: Sony & iPod Pg 287
- How to Guides: Home & Work Pg 288
- Newsletters & eMagazines Pg 289
- Entertainment & Edutainment Pg 290-1
- VR & Info Kiosk & DM & WWW

Web Based Training

- Web Based Training & Distance Learning
- Universities & Colleges Pg 294 - 295
- Online Courses: eCollege, BB, WebCT, etc
- K-12 Schools (HS, MS, ES) Pg 294-296
- Personal & Professional Development

K-12 Education

- CAI, CBL, CAL: All Topics Pgs: 296 - 304
- Drill & Practice: Develop, Augment, Enrich
- Games & Tutorials: Skills & Knowledge
- Educational Simulations: Real World
- Integrated Learning Systems: Complete Pkg
- Curriculum Specific Teaching & Learning

Attributes of DM

- Creative Thinking: [Kids Works & Kid Pix](#)
- Critical Thinking: [Oregon Trail & SimCity](#)
 - Early, Middle, Higher Learning Periods
 - Language Arts & Foreign Language (ESL)
 - Mathematics & Science
 - Social Studies ([Google & Virtual Earth](#))

Creating & Presenting DM

- **Graphics:** Flatbed/Handheld Scanners, Digital Cameras/Camcorders
- Digital Media & Web Authoring
- Large Digital Monitors or Data Projectors
- PC/TV Converters for Analog TVs: [Pg 307](#)
- Interactive White Boards: [Pg 307](#)

DM so Vital?

- Single Most Important Feature of DM
- **Interactive Learning:** I hear, I see, I do...
- [Play, FF, REW, Stop, Pause and Notes...](#)
 - Digital Kids need **ARCS** model for **ED**!
- **Multitasking:** Many things at one time!
- **ED is competing with Hi-Tech World!**

Types of PC Connections

- Telephone Line or **Dial Up**
 - Telephone: Digital Subscriber Line (**DSL**)
 - Cable TV: **Broadband** or **High Speed**
- Modems (Analog vs Digital): **Modem?**
 - Investigate PC Connection Types:
 - Wikipedia or OneLook Dictionary

DM & Video

- DM & Video **End of Chpt: Pg 324 - 334**
- Definitions & Examples: **Pg 324 - 325**
- How to Select a Digital Camera! **Pg 326-9**
- Selecting a Digital Camcorder! **Pg 329-334**
 - Investigate Digital Terminology:
 - Wikipedia or OneLook Dictionary

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Conclusion
