



Jumping Into Born Digital:

Working with the born digital materials of the Science Education
Curriculum Collection

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Why?

- SAA Jump In Initiative held in 2013 was the catalyst
- These materials are ticking time bombs for data loss
- Involvement of the donor through an addition to the collection
- Interesting materials and problems – not your usual straight forward born digital files



Science Education Curriculum Collection

- Documents the creation and development of science teaching materials produced by FSU's science education program from the 1960s until 2005.
- The Interactive Media Science (IMS) projects were specifically the focus of our survey





Questions to Start With...

- What do we actually have?
 - Physically and Digitally
- Can we access these materials?
- How do we access these materials?
- How are the physical items stored?



Conducting the Survey





The Numbers

- Est. maximum of 4380.3 GB (or 4.3 TB) of information (on external media)
- 1750 items spread over six boxes including 3.5" floppy disks, CDs, micro cassettes, DAT, DVC, VHS, DVDs, EX drives, Jaz disks, laser disks, 8mm magnetic tape
- Apple IIGS and Macintosh G3 systems along with external hard drives are not included in TB estimate



New Questions

- What are we preserving?
 - Pedagogy
 - Historical computer code
 - Gaming experience
- How do we access the digital items?



Preservation

- Minimal processing
- Transfer to modern data storage

Access

- Computer museum
- Emulation
- Migration / Porting



Challenges

- Commitment of resources
- Preserving outmoded cutting edge technology





Possible Data Transfer Solutions

Using original equipment

or

Specialized controller (e.g. Kryoflux)



Possible Access Solution

Combined Approach:

- Emulation for games
- Migration for images and documentation



Next Steps

- Procure resources for data transfer
- Organize the collection for future retrieval
- Explore avenues for emulation



Thank You

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