Online Support for New Physics Teachers

Brian Adrian and Dean Zollman Kansas State University

Scott Stevens Carnegie Mellon University

Supported by the National Science Foundation under grant nur DUE-0226157, DUE-0226219, ESI-0455772 & ESI-0455813



Physics Teaching Web Advisory PATHWAY

- A new type of digital library for physics teaching
 - ombining
 - CMU digital video library technolog
 - KSU Physics Education expertise
 - Materials contributed by teachers
- Offering continuously improving* web-based assistance and expertise for teachers of all levels

www.physicspathway.org

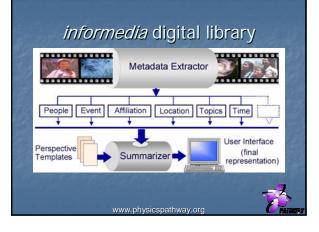
* mostly

PATHWAY Components

- Synthetic Interviews
- Digital Video Library
- Connections to
 - National Science Education Standards

www.physicspathway.org

- Research in Physics Education
- Helpful Web sites







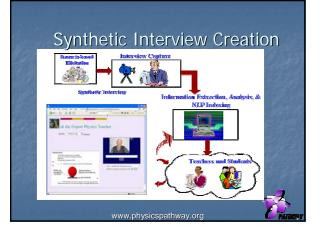
Right now

- Over 100 clips
- 20 from the Video Encyclopedia of Physics Demonstrations
- Not downloadable



www.physicspathway.org







Responses Available Now

- Global answers
- Answers to background questions
- Answers about tools
- Many kinematics answers
- We have answers to more than 1,000 questions!

Who is asking questions?

- Pre- and In-service teachers
- Meeting attendees
- Workshop participants
- Others

 - Random people?

What are they asking? n=2498 questions

- 70% pedagogical
- 12% content
- 8.0% single word or concept
- 2.0% demonstrations
- 1.4% activities

Features to add

- Literature info
- Associated media
- Science Standards
- FAQ list
- Topics list



We would like your help

www.physicspathway.org

www.physicspathway.org

Give us feedback

- Email badrian@phys.ksu.edu

Questions or Comments?

www.physicspathway.org

Brian Adrian

www.physicspathway.org

THANK YOU!

www.physicspathway.org