Online Support for New Physics Teachers

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Physics Teaching Web Advisory PATHWAY

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

* mostly

PATHWAY Components

- Synthetic Interviews
- Digital Video Library
- Connections to
  - National Science Education Standards
  - Research in Physics Education
  - Helpful Web sites

informedia digital library

www.physicspathway.org
Right now

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

Soon*

- Add Paul Hewitt Workshops
  - 8 lessons on teaching conceptually
  - 1 lesson on cartooning
- Add contributed videos
- Perhaps add some SI videos

A Synthetic Interview

Synthetic Interview Creation

We Offer Multiple Personalities

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
  - Project staff
  - Testers
  - Random people?

What are they asking?

n=2498 questions

- 70% pedagogical
- 12% content
- 8.0% single word or concept
- 6.3% miscellaneous
- 2.0% demonstrations
- 1.4% activities
- 0.2% assessment

Features to add

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

We would like your help

- Suggest features or questions
- Try the system at: [www.physicspathway.org](http://www.physicspathway.org)
- A workshop today at 4:00
- Give us feedback
  - Follow link on SI page
  - Fill out form now
  - Email badrian@phys.ksu.edu

Questions or Comments?

- Brian Adrian
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- [www.physicspathway.org](http://www.physicspathway.org)

THANK YOU!