

Support for New Physics Teachers

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AAPT-AAS Seattle



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

www.physicspathway.org



PATHWAY Components

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

www.physicspathway.org



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Right now

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

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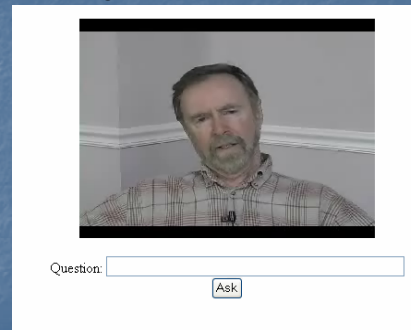
Soon*

- Add Paul Hewitt Workshops
 - 8 lessons on teaching conceptually
 - 1 lesson on cartooning
- Add contributed videos

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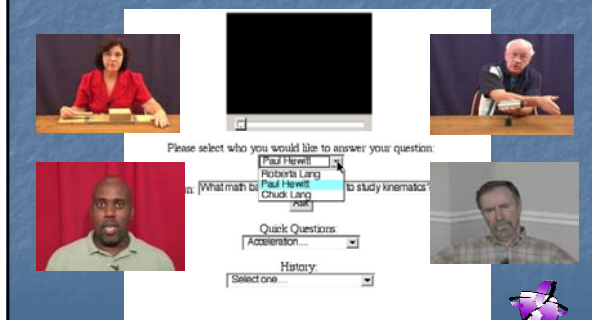
A Synthetic Interview



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We Offer Multiple Personalities



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Responses Available Now

- Global answers
- Answers to background questions
- Answers about tools
- Many kinematics answers

- We have answers to more than 1,000 questions!

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Who is asking questions?

- Pre- and In-service teachers
- Meeting attendees
- Workshop participants
- Others
 - Project staff
 - Testers
 - Random people?

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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

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Features to add

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



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We would like your help

- Suggest features or questions
- Try the system at www.physicspathway.org
- A workshop in Greensboro
- Give us feedback
 - Follow link on SI page
 - Email badrian@phys.ksu.edu

www.physicspathway.org



Questions or Comments?

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THANK YOU!

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