

Phox Valley Physics & Physical Science Sharing

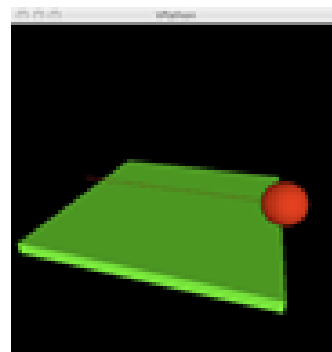
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Computational Modeling

- I spent some time goofing around with vPython a few years back.
- Lately, I have been trying to learn Glowscript, which is an online version of vPython. www.glowscript.org
- The language is almost identical. Glowscript lacks some nice features (ex:frames) that vPython has but kids can use it on their Chromebooks.
- Here is the classic [CAPM Unit Passenger & Train Question](#)
- David Weaver has written [this beginners guide to Glowscript](#) which hits a nice balance between being thorough and being brief and inquiry based.
- There is a new language called Pyret that is being developed for teaching algebra to 8th and 9th graders. It seems to have potential. Check it out at www.pyret.org



Graphical Analysis 4

- They finally did it. I think that it is ready for the big time.

Rtl with Edficiency

- Brillion High School has been using Joe's software this year. www.edficiency.com
- So far, so good. Staff is still learning its power to varying degrees but it has been well received.
- Students (especially older students) hated it because it limited their freedom and held them accountable. Both good things. However, after a couple of weeks I can already see their attitudes shifting. It forces them to think about their learning and plan ahead.

Centripetal Force Paradigm Lab

- I've not done the circular motion unit before.
- I'm going to be building at least four centripetal force apparatus. I plan on using [the basic design Rex Rice has published](#) in the modeling materials unless someone has a better idea.
- What do I need to know about this lab? Any thoughts on design?

