



**Radboud Universiteit  
8 April 2016**

**Focus Session: Education**

**Programme:**

Paul Hewitt is an American physicist, former boxer, cartoonist, and sign painter, and started teaching physics at the age of 28. He wrote also textbooks. His latest contributions are tutorial screencasts, that are available to all on YouTube, all gathered on [www.hewittdrewit.com](http://www.hewittdrewit.com).

Session leader: Jan van Riswick (Raayland College & Radboud University)

**Abstract:**

This sessions consists of two parts.

**Part one - CONCEPTUAL PHYSICS:**

To teach wide coverage of physics in a survey course, I recommend focusing on the laws of physics, most of which are expressed in equation form. Teach students to read the equations in a way similar to musicians reading sheet music. Teach equations as guides to thinking. If you minimize numerical problem solving, your class coverage can extend to rainbows and far beyond.

**Part two - CARTOON WORKSHOP:**

Hewitt was a cartoonist before becoming a physics teacher. Increase class interest by drawing simple cartoons, one step beyond stick figures, in your class. Hewitt will guide step-by-step lessons in drawing your own common physics illustrations.