

Title: "Science on the go, the iPad as a portable laboratory".

Paul Dolk

Biography: Paul has been a physics assistant with the VU-Vu teacher training institute for many years, at present he manages the Mac lab of the Amsterdam branch of inHolland University of Applied Sciences. He has been an active volunteer with the public astronomical observatory in his home town of Haarlem for 15 years. In 2004 Paul became an active volunteer with the Orion Planetarium of his province, Noord-Holland (NH). He does astronomy/science oriented lectures for schools and clubs. He also co-presents the Astronomy/Physics course at the Orion Planetarium <<http://www.volkssterrenwachtorion.nl>>. His special interest as an Apple Distinguished Educator is the use of science education applications on Apple's Mobile and Macintosh platforms. Planetary Paul.



Abstract: Engaging students in science is essential in promoting further interest in mathematics and science. Implementing science using mobile technology and "learning to go" is one way to engage all learners. Come see how the iPad (and by extension the iPod touch and iPhone) enable an entirely new class of experimentation in and out of the classroom, engaging even the most reluctant learners. This workshop investigates how these devices can enhance learning in the field of science. Get a hands-on experience with applications on mobile devices that will allow your school to extend science everywhere.

In this workshop a number of iPad programs will be demonstrated that can enhance science education. Some live experiments will also be performed. With the iPad always at hand (the other iOS devices too for that matter), science can now be learned opportunistically as well as scheduled in the traditional way.

We will work with some of the sensors that are native to the iPad, the accelerometers and the microphone. We will also use some external measuring probes (from a range of many) that enable us to do science experiments that the iPod on its own cannot.

"Science on the go" is for anyone interested in getting a hands-on introduction to the iPad and natural science applications. www.planetenpaultje.nl