Walk This Way

Toe the line and match the motion, step for step

Materials
__Motion Sensor and interface device (School's)
__Computer and "Match Graph"–style software (School's)
__Support rod and base (School's)
__Optional: Computer projector and screen

• AC (for projector)

A Few Specifics
__iBook (2001-2007)
__MacBook (2007-)
__Pasco PASport Motion Sensor and USB-Link
__Pasco EZ-screen (includes Match Graph)

Introduction
    A motion sensor monitors the participant's motion and the computer plots a graphical display of their position as a function of time.

Assembly
    Connect the motion sensor and interface device to the computer and start the appropriate software. Arrange the motion sensor to emit its signal horizontally and at the participant's chest height.

To Do and Notice
    Start the monitoring and move while the computer plots the motion graph. Take a practice run to see how it works. Then choose a graph and try to match it. See how your score indicates how well you matched the graph.

What's Going On? Research!
    How does the motion sensor work? What else do participants need to know?

• **MOTION**