How Things Work is a course for non-science students that introduces them to physics in the context of everyday objects. It reverses the traditional format of physics courses by starting with whole objects and looking inside them to see what makes them work. Because it concentrates on concepts rather than math, and on familiar objects rather than abstract constructs, How Things Work serves both to reduce students' fears of science and to convey to them a substantial understanding of our modern technological world. In this talk, I will describe the course briefly and then look at how I do it. We'll examine the physics and science behind several common objects, including a roller coaster, a bicycle, and a microwave oven.