

## 2011-2012 WHRO VideoClassroom Preview

**Series Title:** Visualizing Human Physiology  
**Curriculum Area:** Health; Science  
**Grades:** 10-12  
**# of Programs/Length:** 1/15:00 minute program

Human beings, like every living organism, are driven by two inherent needs – to survive, and ultimately, to reproduce – that is – to pass our genes on to the future of our species. To accomplish the goals of survival and reproduction we have inherited bodies finely crafted by evolution so that every one of us, every individual human organism, is an organic super factory – a living machine made up of systems that process fuel, build products, repair damage, expel waste, and defend against invaders.

In this premiere program, the complex physiological systems of the human body are introduced – muscular movement, digestion, circulation, perspiration, nerves, glands, immunity, and reproduction. The cellular basis of life, and the importance of carbon and organic chemistry are illustrated and explained.