

**Stonegate Elementary School – Grade 4**  
**EnviroScape Model**

January 31 – February 2, 2011

Fourth-grade students learned about watersheds and how pollutants affect water quality using the EnviroScape model. The classes were co-taught by GreenKids & Stonegate teacher Linda Morgan.

Students investigated what happens when it rains in a landscape where the waterways are not protected by riparian buffers. They observed and discussed how sediments, pesticides, fertilizers, sludge, litter and manure were carried into the Chesapeake Bay by rainwater runoff. Next, they developed strategies for protecting the waterways and implemented their strategies. Following a second rainstorm over their “protected” watershed, students evaluated the effectiveness of their strategies in improving water quality. Also, they discussed point source and non-point source pollution.

