

Ideas for activities

1) Have students measure how fast they can run and accelerate. Have them graph classroom data to fit a standard bell curve.

Teaching topics addressed

Speed
Velocity
Acceleration
Graphing
Standard distribution

2) Have students map environmentally significant features around their school (ex. ditches, streams, riparian buffers, trash cans, detention ponds, green spaces, impervious surfaces)

Teaching topics addressed

Mapping
Riparian buffers
Point and nonpoint source pollution
Impervious surfaces
Rainfall infiltration and runoff
Latitude and Longitude
Best Management Practices

3) Survey your schoolyard. Though you can't do a three dimensional survey (the z-axis is not accurate enough), you can do a two dimensional survey of your schoolyard.

Teaching topics addressed

Mapping
Surveying
Distances
Units

4) Allow the students to take a GPS home over the weekend to map waypoints of point and nonpoint source pollution around where he or she lives. Bring all of this data together into Arcview to understand what is going on in your watershed.

Teaching topics addressed

Point and nonpoint source pollution
Best Management Practices
Watersheds
Mapping

5) Mapping anything of interest to your school or area: streams, sampling locations, indicator species, etc.

If you come up with a good idea please add to this list!