C & M PBL Superb Southside Super Team presents

The Get to it Program

Sorting it all out!! And Many More Brilliant Cases brought to by:

• Super Emory Student – Svea Closser
• Lil ol’ Southside teacher – Maureen McManus
Implementation Logistics

- Used in Environmental Science classes
- Class sizes range from 15-28
- Block Schedule
- 3 classes per day
- Cases will be done on Tuesdays and Fridays
- Teacher and Student will have open lines of communication for case development and writing
- Student/Teacher meeting held on Friday during planning

The Get to It Cases

- Miles to Go - Metric Conversion/Scientific Method/Stoichiometry (Third week in August)
- The Right Move- Environmental Justice/ Ethics/ Air Pollution/ Soil Pollution (Series of weeks throughout the year)
- Sorting it all out – Ecosystem Structure/ Population Dynamics/Species Interaction (Late August/ early September)
- Outbreak!! – Water Pollution/ Toxicology/ Agricultural Practices (Late October/ Early November)
- Sewer Woes – Urban Sprawl/ Water Pollution (October)
Sorting it all out!!

- Case involves ecosystem structure, species interaction and population dynamics
- Students are required to solve a problem by creating graphs and drawing inferences from them.
- Case based on lesson plan from the group Population Connection.

The Story

Rene, a college student, mixes up her roommate’s Ecology final project the night before it is due and must sort out the pages, placing each species with the data which fits that species.

Focuses on character education issues of honesty, procrastination, and respect as well as science objectives
QCCs covered

- 27.3 Create graphs that display the interactions that occur in an ecosystem.
- 6.1 Determine the various factors in the physical environment that promote changes in populations.
- 28.1 Identifies the factors that effect the balance of nature.
- 28.2 Identifies causes that lead to the cyclical reduction and increase of species.
- 2.1 Analyze data provided to make inferences.
- 1.1 Apply researching skills by using current technologies such as CD-ROM, Internet and online data search to explore current research related to a science concept.

Student Product

1. Graphs of population data for each species
2. Identification of which graph applies to which species
3. Apology letter to roommate explaining the situation and how the problem was solved, using technical science terms