Real World Problem Scenario

Teacher Name: Olivia Mullins

School District: Warren Local Schools

Business Partner Name: Anthony Canter

Business/Organization Name: Microbac

How many classes participated? 1

How many students participated? 18

What was your timeline? 5-9 weeks

Grade level(s): 11, 12

Subject(s): Environmental Science

Standards & Skills: Biosphere, lithosphere, hydrosphere, atmosphere, movement of matter and energy through each sphere, pollution water/water pollution, portable water quality, use and availability, soil and land, food production and availability, waste management

Career Cluster(s): Agriculture, Food, & Natural Resources, Business, Management, and Administration, Finance, Government & Public Administration, Health & Science, Science, Technology, Engineering, & Mathematics

What needed to be considered or defined in order for your students to create a solution for your RWPS? Explain PCB and why we should be concerned about contamination. Be sure to think about the areas listed in the standards/skills addressed section above: Plan for sampling the area, testing the contamination, plan for clean up, financial planning/funding, long lasting effects

Real World Problem Scenario: A transformer containing PCB oil exploded on a farm near a roadway and waterway. A plan to clean up the oil and assess the damages must be completed. How can a team create a plan to minimize the effects of contamination in the area?

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