Teacher Created Lesson Plans for TECH Trek

Teachers and scientists have worked together to create (adapt) lesson plans for the Tech Trek Mobile Research Laboratory. These plans are available on the CD-ROM teachers receive during the training session. Although written with specific grade levels in mind, they are easily adapted to meet your classroom needs.

Objectives correlate to the Ohio Proficiency Tests

The objectives are keyed, when possible, to the Mathematics and Science sections of the Ohio Proficiency Tests, which are currently given at 4th, 6th, 9th, and 12th grades. For example, (S12-5) represents the 5th performance objective of the twelfth grade science section and (M4-17) represents the 17th performance objective of the fourth grade mathematics section.

Scientific Method

Scientists carefully observe their surroundings, make educated guesses and predictions, and test these guesses against actual experiences in nature or the laboratory. Francis Bacon, an English philosopher, developed the steps to the scientific method in the 1600's. Educators and scientists use this method today!

Steps In The Scientific Method

1. Choose your question
2. Research your topic
3. Make your hypothesis
4. Make a prediction
5. Write your procedures
6. Test your hypothesis
7. Present your conclusion

Lesson Plans for Tech Trek	**Suggested Grade Levels**											
Activity	1	2	3	4	5	6	7	8	9	10	11	12
Ants and Other Icky Critters	X	X	X	X	X	X						
Tech Trek Adventure				X	X	X	X	X	X	X		
Tech Trek Identification Key				X	X	X	X	X	X	X		
Stream Macro-Invertebrates						X	X	X	X	X	X	X
Butterfly Scales Lab						X	X	X	X	X	X	X
Exploring Tech Trek Microscopes			X	X	X	X	X	X	X	X	X	X
Exploring Salts - Mysterious Crystals				X	X	X	X	X	X	X		