

## BENEFITS TO TEACHERS

### Project LIFE

- Stipend - \$60 per day
- Classroom supplies (funds provided by school systems)
- Housing and mileage reimbursement (for eligible participants)
- 3 hr Graduate Science credit available
- Learn teaching and assessment strategies that increase student achievement

### Project LIFE Leadership

- Stipend - \$60 per day
- Housing and mileage reimbursement (for eligible participants)
- 3 hr Graduate Science credit available
- Gain skills, knowledge, and experience as a workshop presenter
- Develop the ability to serve as a collegial coach
- Be prepared to serve as a leader for your school system

## BENEFITS TO SCHOOL SYSTEMS

### Project LIFE:

- Knowledgeable, enthusiastic science teachers
- Hands-on, minds-on science classrooms
- Active Learners
- Close collaboration with regional University
- Follow-up support from Project LIFE staff
- Networking opportunities with other school systems

### Project LIFE Leadership:

- Enthusiastic teacher leaders well prepared to serve as workshop presenters and collegial coaches
- Teachers with in-depth content knowledge and the ability to positively impact student achievement
- Two standards-based workshops ready to be delivered within your system
- Close collaboration with Louisiana Tech's CATALyST K-12 science/math education center
- Networking opportunities with other school systems

## PROJECT LIFE YEAR ONE

- Orientation Meeting
- 2-Week Summer Project LIFE Course at Louisiana Tech University
- Independent Research Project
- Science Expo
- Extensive Academic Year Follow-up
- Four day-long Academic Year Workshops
- Newsletters
- Electronic Networking
- Classroom

## YEAR TWO LEADERSHIP

- Three-week Leadership Institute at Louisiana Tech University
- Participants design and present reform-oriented workshops
- Teams of participants present two workshops for teachers in home districts during the academic year
- Electronic Networking



## LABORATORY INVESTIGATIONS & FIELD EXPERIENCES

**Year One Session**  
June 8 Orientation  
June 9–21, 2003

**Leadership Session**  
July 14-Aug 1, 2003

Project LIFE Office  
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<http://projectlife.latech.edu>  
(applications available online)

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# Project LIFE (Laboratory Investigations and Field Experiences)



Project LIFE is a multi-year program for middle grades and high school teacher of life science and biology that focuses on life/environmental science and chemistry. Project LIFE has been successful in revitalizing science education in its participating school systems because it embodies the spirit of the national science reform movement. Teachers are taught by an experienced staff that models a hands-on, discovery-first, learning cycle

style of teaching. Teachers work as scientists to gain new knowledge and practice process skills through investigative activities, and develop increased confidence in their ability to teach science using standards based instructional and assessment strategies. Classrooms of Project LIFE teachers are filled with enthusiastic students learning science as they investigate life. Teams of selected Project LIFE teachers plus teachers who have participated in other standards-based professional development programs are eligible to participate in the Project LIFE Leadership Institute.



## Project LIFE Active Learning

### • WORKING AS SCIENTISTS

- Learning by Inquiry
- Investigating
- Designing Experiments
- Collecting and Analyzing Data
- Communicating Results
- Graphing

### • TRANSFERRING TO THE CLASSROOM

- Hands-on/Minds-on Learning Experiences
- Cooperative Learning
- Learning Cycle
- Classroom Management
- Math/Science integration
- Alternative Assessment
- Technology Integration



## Project LIFE Leadership Institute

### DEVELOP LEADERSHIP SKILLS

- Participate in standards-based science lessons
- Design learning cycle lessons that incorporate cooperative learning and authentic assessments
- Evaluate and revise a staff-led workshop and hand out
- Develop a guide for presenting effective workshops
- Enhance your skills as an effective workshop developer and leader
- Work as a team to develop and deliver a three-hour science workshop
- Correlate learning experiences with state and national teaching and assessment standards
- Practice evaluation of educational programs and approaches
- Explore equity issues and teaching to a diverse audience
- Develop the skills and knowledge to serve as a collegial coach