

STUDENTS AND TEACHERS AS RESEARCH SCIENTISTS
EXPERIENCING THE SCIENTIFIC ENTERPRISE TO ENHANCE SCIENCE EDUCATION

SPONSORED BY
PFIZER INC.
LMI AEROSPACE INC.
D3 TECHNOLOGIES
OFFICE OF THE CHANCELLOR-UM-ST. LOUIS
SAINT LOUIS UNIVERSITY
WASHINGTON UNIVERSITY
THE SOLAE COMPANY
GREEN FOUNDATION

A PARTNERSHIP WITH
DONALD DANFORTH PLANT SCIENCE CENTER
SAINT LOUIS UNIVERSITY
SIU-EDWARDSVILLE
WASHINGTON UNIVERSITY
UNIVERSITY OF MISSOURI-ST. LOUIS

STARS
TEACHER APPLICATION FORM

APPLICATION DEADLINE POSTMARKED BY MARCH 27

I. BACKGROUND INFORMATION

A. APPLICANT'S NAME: _____
LAST FIRST MIDDLE

PREFERRED NAME TO BE CALLED: _____

B. ADDRESS

HOME: _____ PHONE: _____
Street

City State Zip Code

SCHOOL NAME: _____ PHONE: _____

SCHOOL ADDRESS: _____
STREET CITY ZIP CODE

C. PERSONAL DATA

1. SEX: MALE FEMALE U.S. CITIZEN: YES NO BIRTH DATE: _____ AGE: _____

2. ETHNIC BACKGROUND: AFRICAN-AMERICAN NATIVE AMERICAN OR ALASKAN ASIAN OR PACIFIC ISLANDER
(OPTIONAL) HISPANIC WHITE, NON-HISPANIC OTHER _____

3. DO YOU HAVE ANY SIGNIFICANT MEDICAL CONDITION(S) OF WHICH THE FACULTY AND STAFF SHOULD BE AWARE? YES NO

IF YES, PLEASE DESCRIBE: _____

4. DO YOU HAVE COMPREHENSIVE ACCIDENT AND HEALTH INSURANCE? YES NO COMPANY NAME: _____

5. EMERGENCY CONTACT PERSON'S NAME: _____ WORK PHONE: _____

6. WHAT SIZE T-SHIRT DO YOU PREFER? SMALL MEDIUM LARGE EXTRA-LARGE EXTRA-EXTRA LARGE

7. DO YOU REQUIRE VEGETARIAN MEALS? NO, YES; OTHER SPECIAL FOOD REQUIRMENTS _____

D. PRINCIPAL OR CHIEF SCHOOL ADMINISTRATOR: _____

E. DO YOU HAVE ACCESS TO A COMPUTER: AT HOME _____; AT SCHOOL _____; E-MAIL ADDRESS: _____

F. TEACHING EXPERIENCE

1. TOTAL YEARS OF CLASSROOM TEACHING EXPERIENCE: _____ YEARS AT _____ SCHOOL(S).

2. PLEASE LIST THE COURSES YOU HAVE TAUGHT.

| COURSE | GRADE LEVEL | NUMBER OF YEARS | YEAR LAST TAUGHT |
|--------|-------------|-----------------|------------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

II. WRITING AND RESEARCH EXPERIENCE

A. HOW INTERESTED ARE YOU IN WRITING A RESEARCH PAPER WITH A SCIENCE RESEARCHER?

- NOT REAL INTERESTED SLIGHTLY MODERATELY VERY STRONGLY

B. HAVE YOU DONE ACTION RESEARCH WITH RESPECT TO YOUR TEACHING? YES NO

IF YES, BRIEFLY DESCRIBE YOUR PROJECT: _____

C. HAVE YOU WRITTEN ANY OF YOUR OWN CURRICULUM MATERIALS? YES NO IF YES, PLEASE GIVE TYPES AND EXAMPLES:

D. TO WHAT DEGREE WOULD YOU LIKE PREPARING A TEACHING UNIT BASED ON A SUMMER LABORATORY RESEARCH EXPERIENCE?

- NOT INTERESTED SLIGHTLY MODERATELY VERY STRONGLY

E. WITH WHICH FOUR 10TH OR 11TH GRADE STUDENTS IN YOUR SCHOOL WOULD YOU LIKE TO SPEND SIX WEEKS IN THE SUMMER WORKING ON A RESEARCH PROJECT? WHAT ARE THE MAIN TWO OR THREE REASONS FOR THEIR SELECTION?

1. _____ 3. _____
 2. _____ 4. _____

III. INSTRUCTIONAL ATTRIBUTES

A. PEER TEACHING

TO WHAT EXTENT HAVE YOU PARTICIPATED IN PRESENTING IN-SERVICE WORKSHOPS OR ACTIVITIES FOR COLLEAGUES AND/OR PROVIDED EVALUATION, ADVICE, AND GUIDANCE FOR OTHER TEACHERS?

B. COMMUNICATION SKILLS

1. HAVE YOU SUPERVISED STUDENTS IN DEVELOPING WRITTEN REPORTS OR VERBAL PRESENTATIONS? GIVE EXAMPLES, DEGREE AND AMOUNT OF INVOLVEMENT.

IV. ACADEMIC HISTORY

A. DEGREES AND CERTIFICATION

| INSTITUTION | DEGREE OR CERTIFICATE | YEAR GRANTED | AREA |
|-------------|-----------------------|--------------|------|
| | | | |
| | | | |
| | | | |
| | | | |

B. OTHER PROFESSIONAL TRAINING

PLEASE DESCRIBE ANY OTHER FORMAL TRAINING OR ACADEMIC ACTIVITIES WHICH HAVE LED TO YOUR INCREASED PROFESSIONAL DEVELOPMENT.

- C. WOULD YOU BE INTERESTED IN EARNING TWO SEMESTER HOURS OF GRADUATE CREDIT FOR YOUR SUMMER RESEARCH WORK, PREPARING A RESEARCH-BASED LESSON AND EVALUATING THE PRESENTATION OF THE LESSON TO YOUR STUDENTS? Yes No

V. EXTRA-CURRICULAR ACTIVITIES

A. INDEPENDENT STUDENT LEARNING ACTIVITIES

TO WHAT EXTENT HAVE YOU CONDUCTED PROGRAMS THAT ALLOW STUDENTS TO DO INDEPENDENT PROJECTS AND/OR PURSUE INDIVIDUALIZED LEARNING ACTIVITIES? PLEASE GIVE SPECIFIC EXAMPLES.

VI. PROFESSIONAL SUMMARY

- A. HOW DO YOU FEEL ABOUT STUDENTS WORKING TOGETHER ON CLASSWORK? HAVE YOU BEEN INVOLVED IN COOPERATIVE LEARNING STRATEGIES? GIVE EXAMPLES AND OUTCOMES.

- B. TO WHAT DEGREE WOULD YOU BE INTERESTED IN CONTINUING YOUR RESEARCH PROJECT AND CURRICULUM PROJECT BEYOND THE REGULAR SIX-WEEK SUMMER PROGRAM?

NONE AT PRESENT VERY LITTLE SOMEWHAT MOST LIKELY HIGHLY ABSOLUTELY CERTAIN

- C. DO YOU PROMISE TO CREATE, DEVELOP, IMPLEMENT AND EVALUATE A RESEARCH-BASED LESSON IN ONE OF YOUR CLASSES DURING THE NEXT ACADEMIC YEAR IN YOUR SCHOOL? Yes No

- D. WILL YOU COMMIT YOURSELF TO THE NECESSARY TIME, INCLUDING SOME EVENING HOURS, NEEDED TO SATISFACTORILY PARTICIPATE IN ALL ACADEMIC AND SOCIAL ACTIVITIES THAT ARE PART OF THE SCHEDULE OF THE STARS PROGRAM? Yes No

VII. COMMITMENT AND AGREEMENT

I CERTIFY THAT THE INFORMATION ON THIS APPLICATION IS COMPLETE AND ACCURATE. I CONCUR WITH THESE STATEMENTS AND WILL ABIDE BY THE AGREEMENTS AND FULFILL THE COMMITMENTS SPECIFIED AND IMPLIED BY THIS APPLICATION.

SIGNATURE: _____ DATE: _____