**Research Experiences for Teachers in**

**Engineering Design and Manufacturing**

***High School Teacher Application Form***

**Part A: Applicant Information**

Name

(Last) (First) (M.)

Contact Information**:**

Home Address City

State/Zip Cell ( ) Other (Work/home) ( )

Email (primary) Email (secondary)

If accepted, I will need assistance in reserving summer housing in Beaumont, Texas. Yes No

\* The accepted teachers will receive stipends ($1,000/week for a regular teacher and $1,200/week for the master teacher) from the program. The teachers will then be responsible for the cost of living.

**Part B: Education and Professional Development**

List all college degrees earned or in progress:

|  |  |  |  |
| --- | --- | --- | --- |
| **Institution Name** | **Degree** | **Year Earned** | **Major/Minor Subject** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

List professional development activities related to STEM education in which you have participated during the past five years: Provide a brief explanation (2-3 sentences) regarding what you learned/gained from each activity. :

1)

2)

3)

4)

5)

**Part C: School/District Information**

School Contact Information**:**

District Name School Name

School Address City

State/Zip

Phone ( )

Provide your current student campus (not district) demographics (percentages):

% White % Black % Hispanic % American Indian % Asian

What percentage of your school’s students are on the free lunch program? %

**Part D: Experience**

What subject(s) are you certified to teach in Texas?

What laboratory research experience have you had?

Have you participated in a research program before? If so, please describe the name of the program, the area of research, and how long was the research experience.

Please describe your prior experience in curriculum development, including any group leadership experience

(attach additional pages if needed).

Teaching experience history (please begin with the **most current year**):

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of School campus** | **Name of School District**  **(and state, if outside TX)** | **Academic Years Taught at that campus** | **Subject(s) Taught** |
| Example: XYZ High School | Example:  ABC School District | Example:  2009-present | Example: Algebra I, Geometry |
|  |  |  |  |
|  |  |  |  |
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**Part E: Essays**

1. (**Required for all applicants**) Please write and attach a 1-2 page essay that addresses each of the following topics. Provide specific examples wherever possible.

 Why do you want to participate in this program?

 What do you hope to gain?

 Describe professional leadership roles you have held.

 How would you expect to take this experience back to faculty and students at your campus?

2. (**Required only for applicants who wish to be considered for the Master Teacher position**) The role of the Master Teacher position is to provide additional assistance during the curriculum development process to other teacher participants in the cohort. The Master Teacher should have curriculum development and administrative experience. The Master Teacher needs to be positive and approachable and have strong communication skills. The Master Teacher must be able to provide curriculum assistance to teachers who teach subjects other than those of the Master Teacher. The Master Teacher must be a good problem solver, and also have the ability to provide timely support to participants. Please write and attach a 1-page essay that address what you think are the biggest challenges that teachers will face during the program and what you, as the Master Teacher, could do to help the teachers. Please give concrete examples of what you would do.

**Part F: Sample Lesson Plan**

Please attach one of your current (or previous) lesson plans that illustrate a non-lecture-style lesson. For example, you could include a lesson that is interactive, hands-on, cooperative, inquiry-based, or team-oriented.

**Part G: Reference**

Provide a completed reference form from your department head or your campus principal/associate principal. The form can be accessed at [http://engineering.lamar.edu/retdesign](http://engineering.lamar.edu/ret)

**Part H: School Principal Certification**

This section is to be completed by the Principal or Assistant Principal of the applicant’s campus.

I hereby certify that

(Principal Name) (Applicant Name)

is a secondary teacher in the School District.

(District Name)

**Principal Signature**:

**Date:**

**Part I: Applicant Certification**

I hereby certify that the information provided in this application is

(Applicant Name)

correct to the best of my knowledge:

**Applicant Signature**:

**Date:**

**To be considered for this program, your completed application package should be postmarked by**

**April 9, 2018 and include:**

 Complete application with signatures from:

o Principal or Assistant Principal

o Applicant

 Essay(s) – All applicants must submit an essay for Part E(1) above. In addition, applicants who

wish to be considered for the Master Teacher position must submit an essay for Part E(2). We anticipate that each summer cohort will consist of five Teacher participants and one Master Teacher

participant.

 Sample lesson plan

 Recommendation form from your Principal or Assistant Principal (enclosed in a sealed envelope)

Submit all application materials together in one envelope and send via U.S. postal mail to: Dr. Xinyu Liu

Research Experiences for Teachers in Engineering Design and Manufacturing

Department of Industrial Engineering, P.O.Box 10032

Lamar University

Beaumont, TX 77710

Please also send an electronic copy of your application form, essay(s) and sample lesson plan to Dr. Liu at xinyu.liu@lamar.edu.

Applicants will be notified by April 23, 2019.