The Rice University Noyce Master Teaching Fellowship Program (DUE # 1556006): Evaluation Update for Year 1 and Year 2

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### Timeline

#### 2016: (Recruitment)

<table>
<thead>
<tr>
<th>Project Start Date</th>
<th>Information Meeting 1</th>
<th>Information Meeting 2</th>
<th>Acceptance Letters</th>
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<tbody>
<tr>
<td>3/1</td>
<td>6/1</td>
<td>8/23</td>
<td>12/5</td>
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#### Year 1
Spring/Summer 17

<table>
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<tr>
<th>First Meeting</th>
<th>5-Year Plans</th>
<th>Survey &amp; Tests</th>
<th>Noyce Summit</th>
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<tr>
<td>2/4</td>
<td>5/1</td>
<td>6/8</td>
<td>7/19-21</td>
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#### Year 2
2017-18

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<tr>
<th>Networking Conf</th>
<th>Model Math Lessons</th>
<th>Update Meeting</th>
<th>Survey &amp; Tests</th>
<th>Noyce Summit</th>
<th>Fall Meeting</th>
<th>Glasscock Conference</th>
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<td>ULL Visit 2/3</td>
<td>3/3</td>
<td>5/2</td>
<td>6/26</td>
<td>6/8</td>
<td>9/16</td>
<td>11/11</td>
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Overarching Program Goal

Guide exceptional secondary mathematics teachers’ development as leaders who are deeply grounded in sound mathematical content and research-based pedagogical, leadership, adult education, and mathematics advocacy skills.
Eight teacher leaders engaged in five or fewer of these 22 activities.

The greatest number of activities engaged in by a teacher leader was 14.
Administrators’ and Colleagues’ Perceptions of Leadership Attributes

- Medians range between 4.73 and 4.80
- High averages in all areas
- Large spread at the lower ends
- Individual feedback based on the areas that can be improved
AVID Survey of Teacher Leadership

In the past 12 months, how often did you engage in:

- Helping develop school policy
- Serving as a mentor to new teachers
- Reflected on my own teaching practice
- ...

Leadership

![Graph showing engagement levels between Pre and Midpoint](image)

**Profile**
- Knowledgeable in Math & pedagogy
- Involved in math pd (lifelong learner)
- Have people, communication, and problem solving skills

**Action Items**
- Lead by example
- Collaborate w/ team & be accessible
- Search & share opportunities for pd
- Practice know & grow

**Mathematics Teacher Leader: Qualities & Characteristics**
- Taking the initiative in team planning
- Sharing ideas with others
- Participation in professional activities
- Teacher observations w/ feedback
- Develop Curriculum
- Model Teacher
I work to develop my students’ critical thinking skills.

I believe that all students can learn.

I am involved in the community where I teach.
Specialized Content Knowledge

LMT scores

- **Number Concepts**
- **Geometry***
- **Functions & Algebra**

*Significant at $\alpha = .05$  **Significant at $\alpha = .01$

[Bar graph showing LMT scores with pre and midpoint data for Number Concepts, Geometry, and Functions & Algebra]
Conclusions

- Improved content knowledge
- Improved leadership but not to the extent possible

Next Steps

- Encouraging Master Teaching Fellows to focus on leadership areas that have more potential for growth
- In years 3-5, the program will offer more opportunities for leadership activities