



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

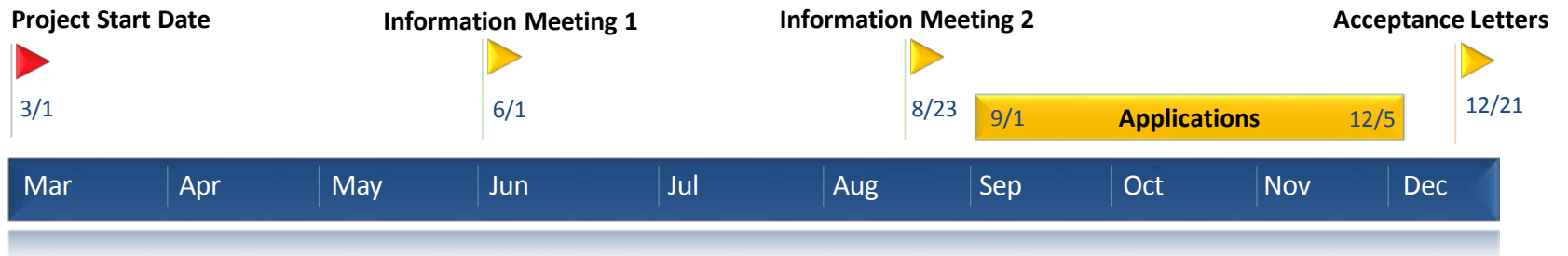
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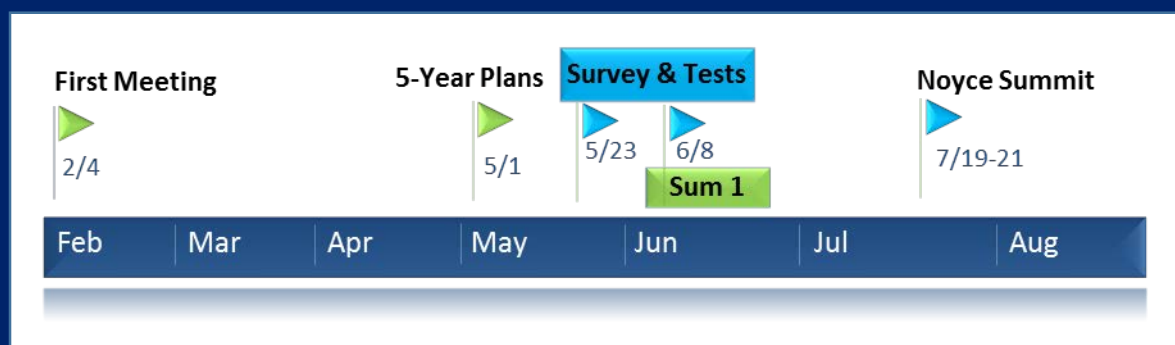
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# Timeline

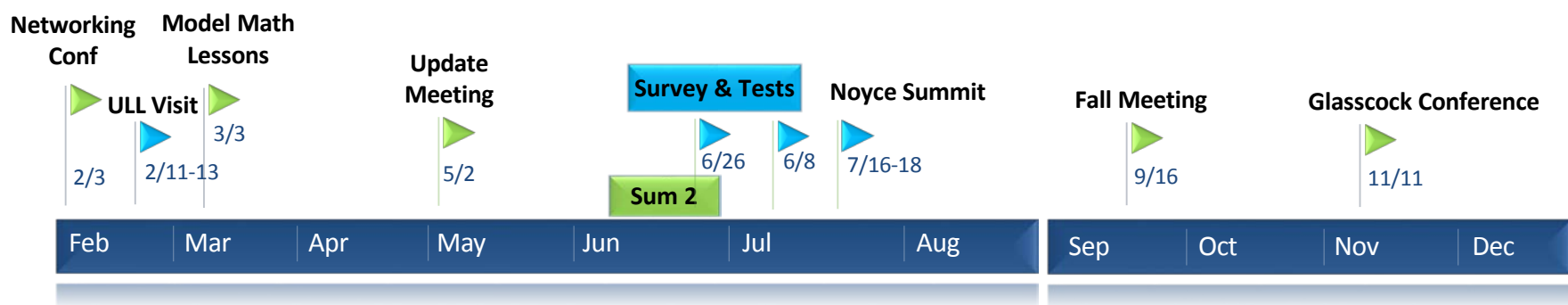
## 2016: (Recruitment)



## Year 1 Spring/Summer 17

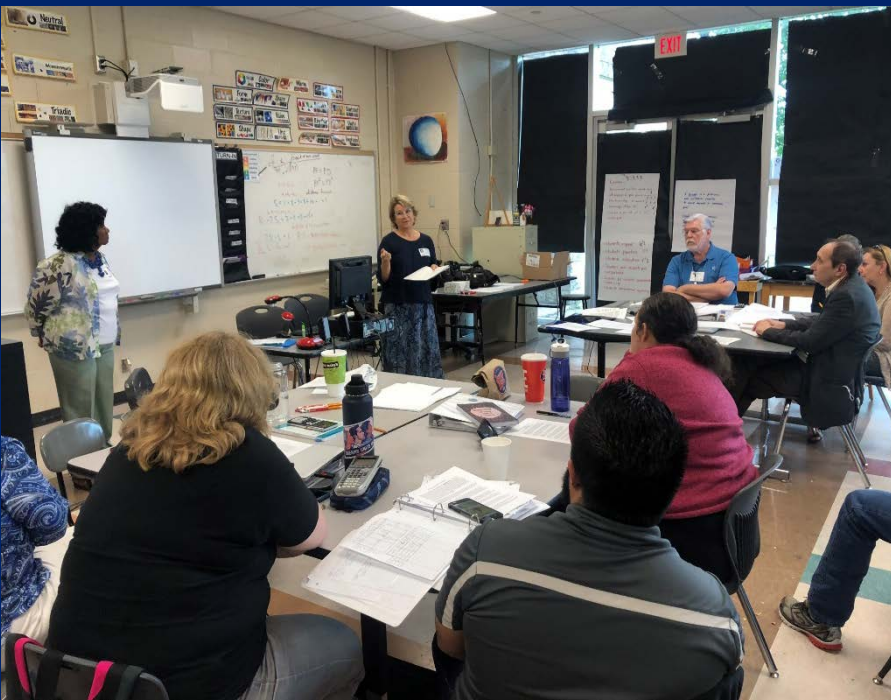


## Year 2 2017-18





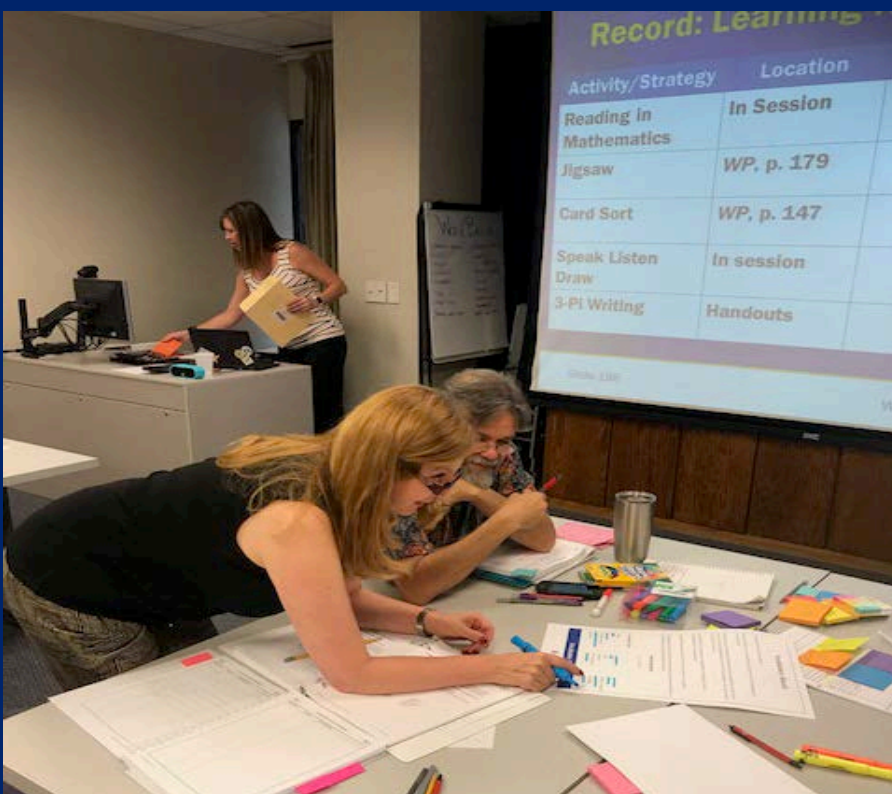
# Overarching Program Goal


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.



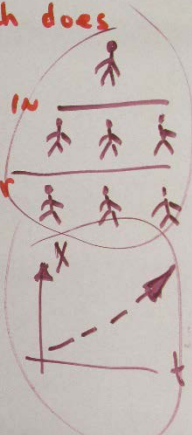
What Do EFFECTIVE Instructional Strategies Look like.

- Students engaged 
- Students questions ???
- Students interactions 
- Teachers and students feel comfortable
- Grades for students assessments improving
- Students performance improving



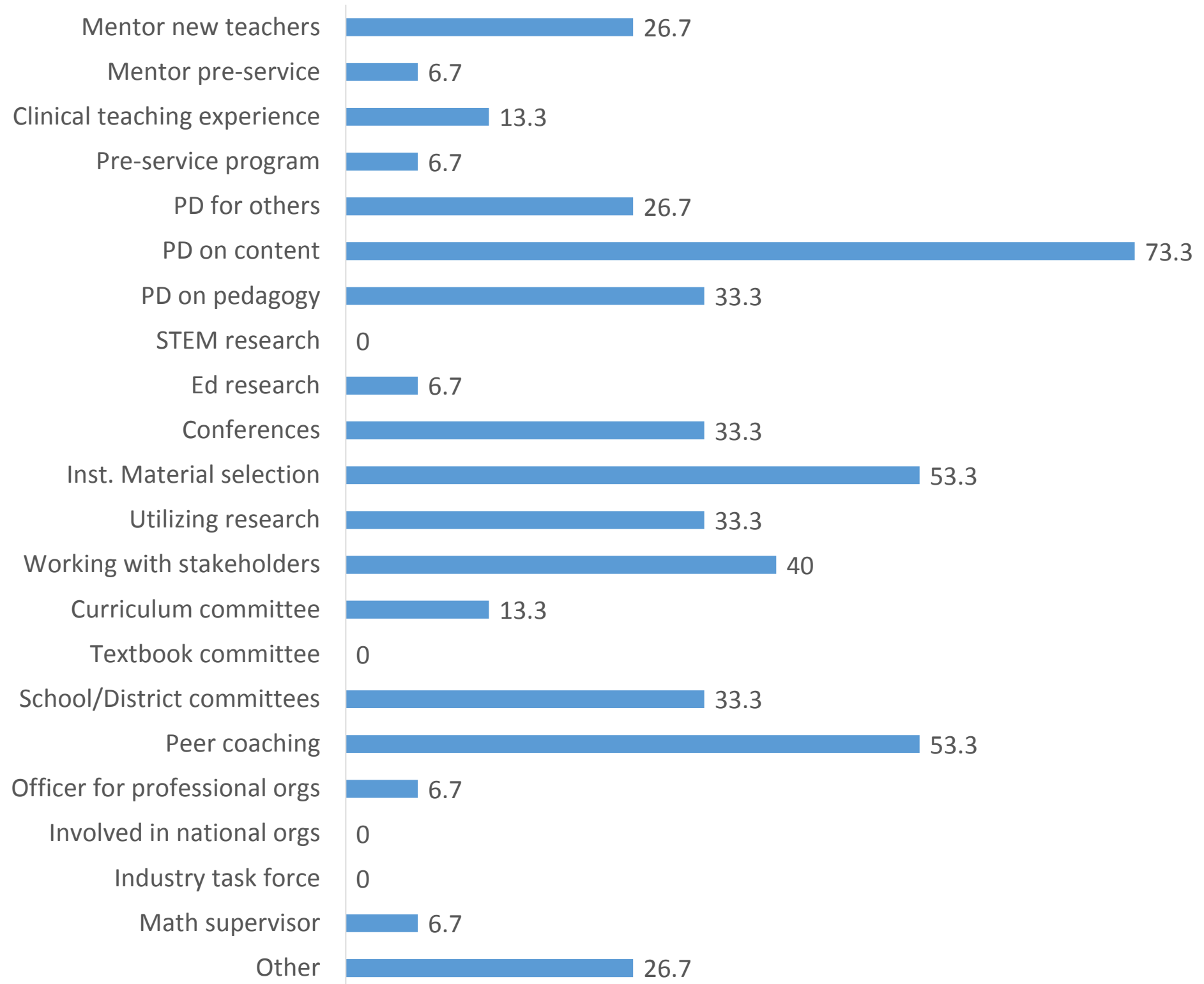
Leader - 

An informal position which does not depend on your place in the hierarchy. A leader encourages others to improve in pursuit of a common goal.



# Leadership Activities (NSF List)

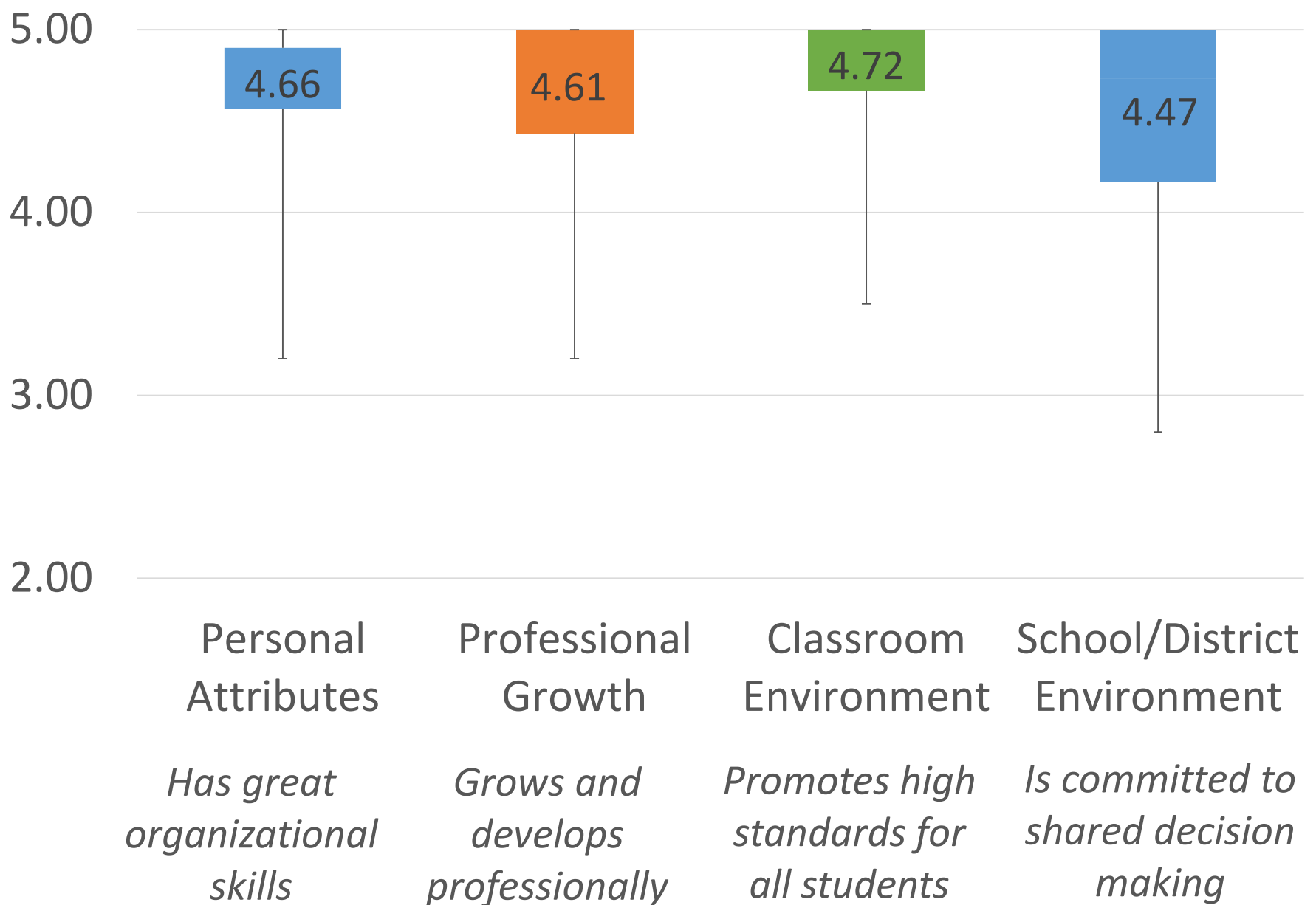
Percentage of teachers who participated in leadership activities before the program started



- ❖ 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.

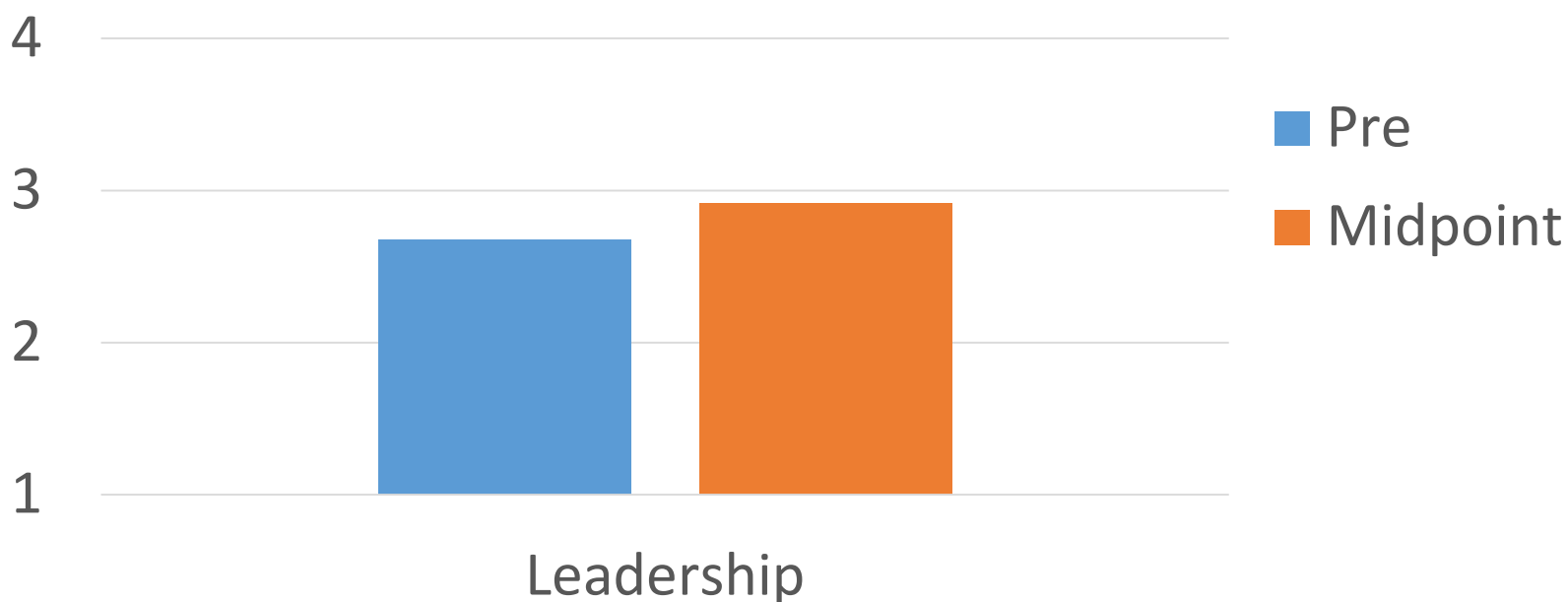


# Administrators' and Colleagues' Perceptions of Leadership Attributes



- ❖ 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*
- ...

## Leader Math Teacher

### Profile

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

### Action Items

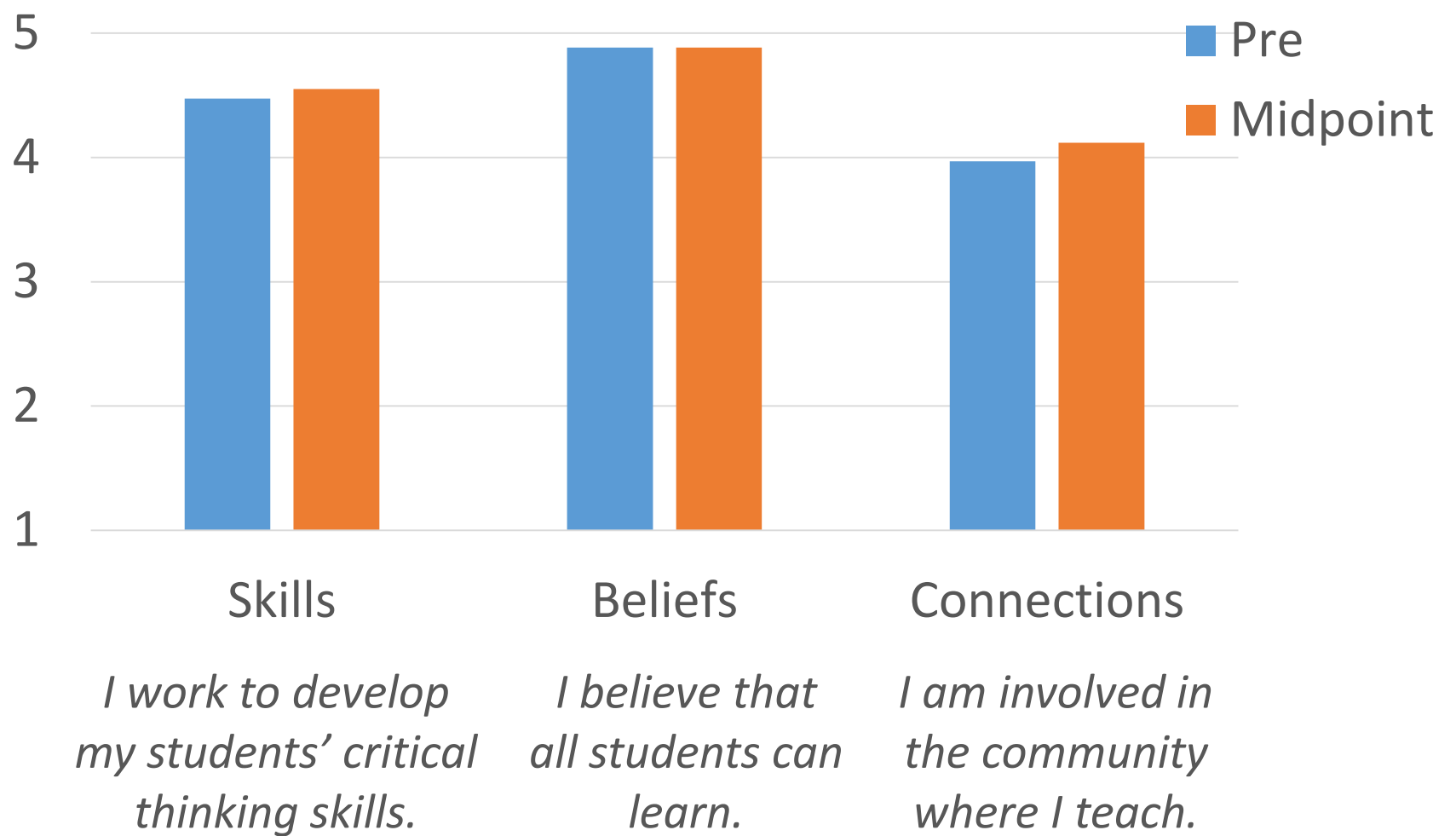
- Lead by example
- Collaborate w/ team & be accessible
- Search & share opportunities for pd
- Practice Glows & Grows

## Mathematics Teacher Leader: Qualities & Characteristics.

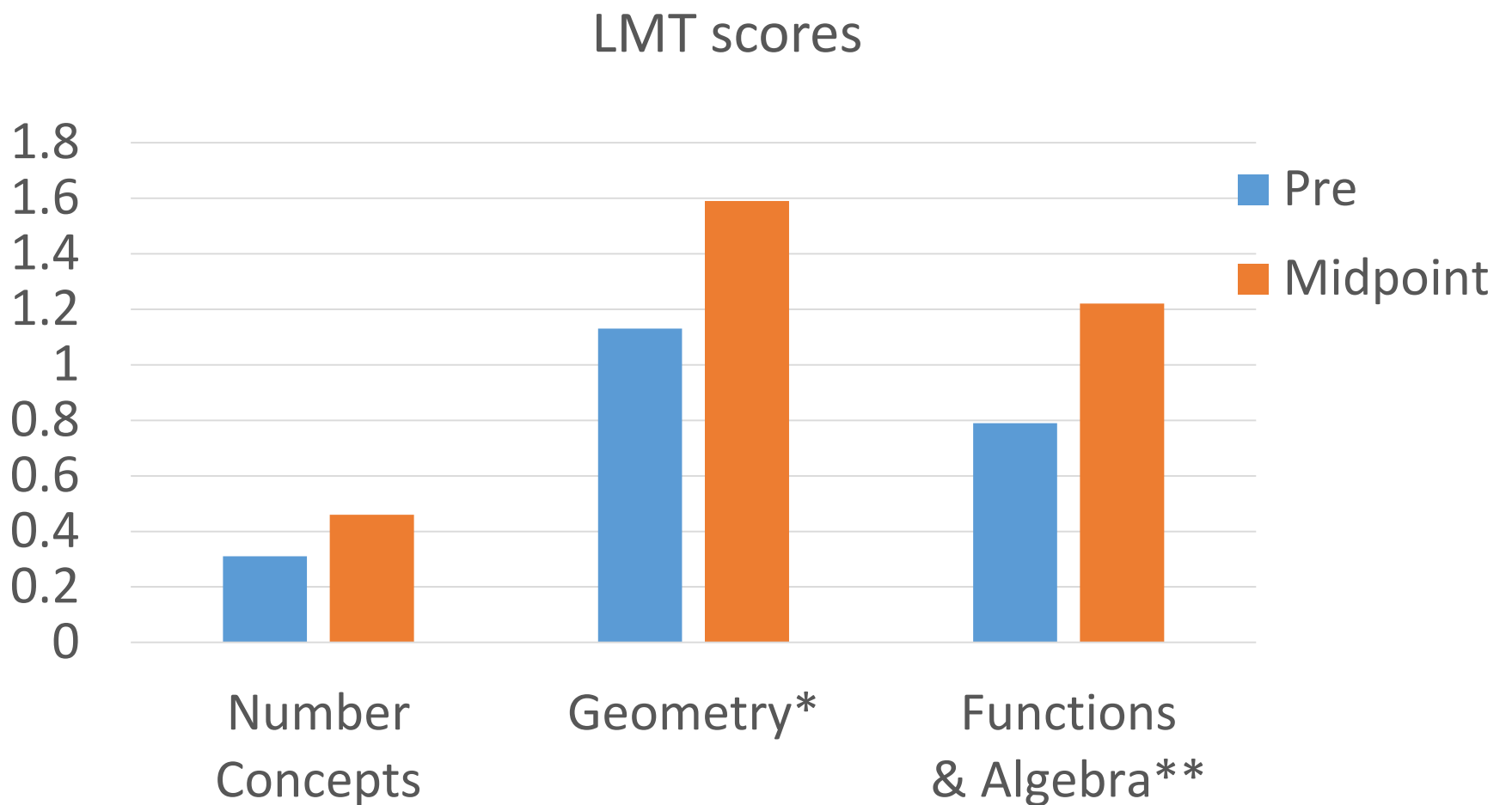
- Taking the initiative in team Planning.
- Sharing ideas with others
- Participation in professional activities.
- Teacher observations w/ feedback.
- Develop Curriculum
- Model Teacher.



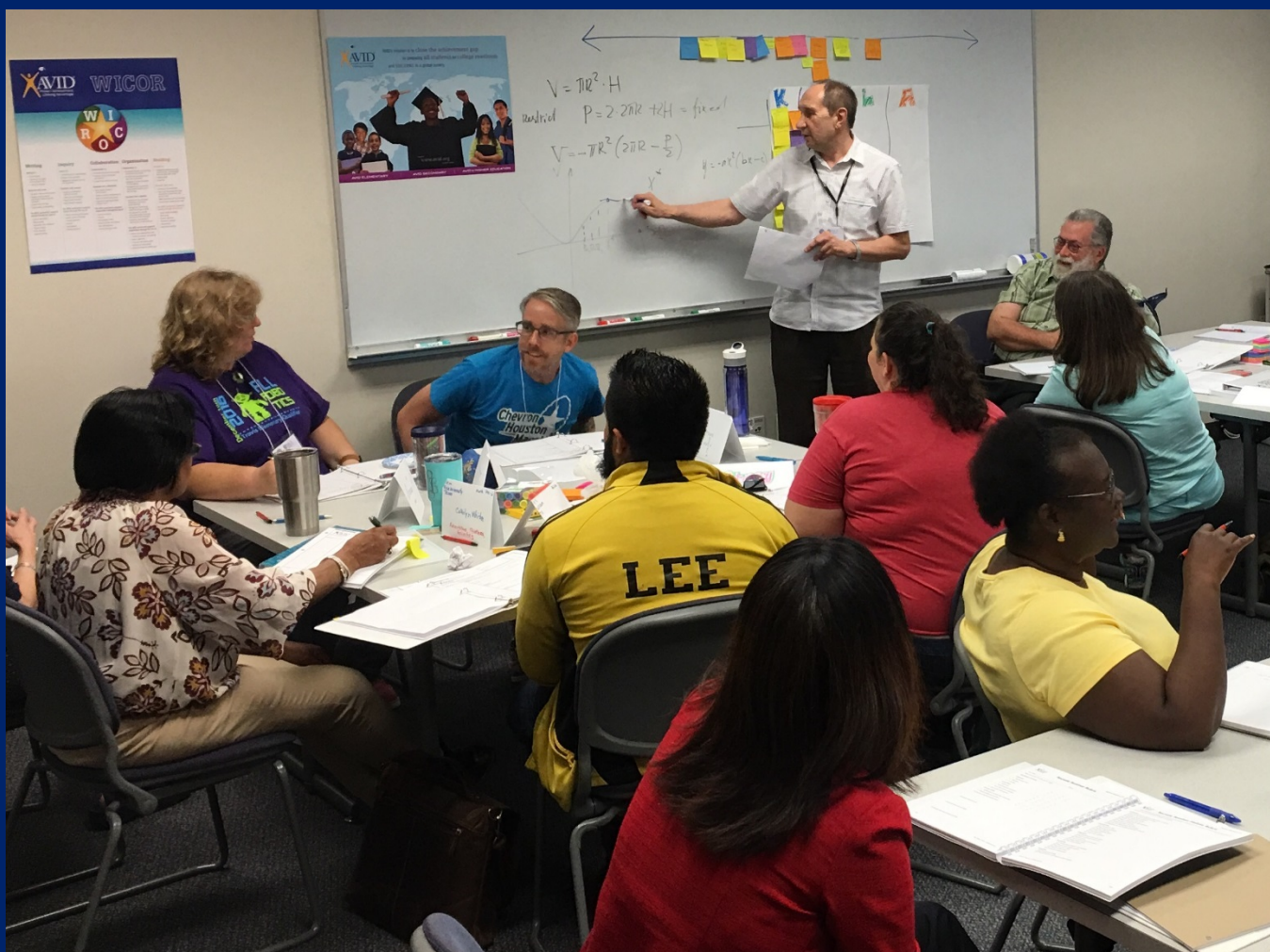
# Diversity Disposition Index



# Specialized Content Knowledge



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





# 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

