



WILLIAM & MARY

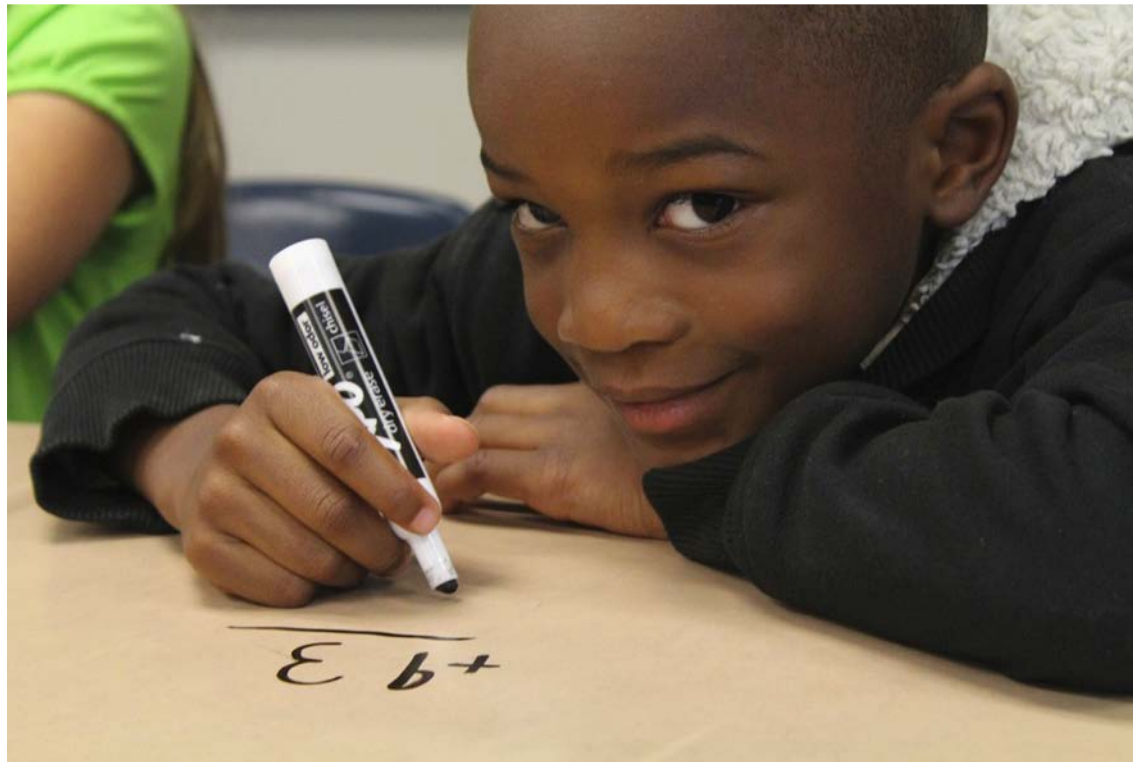
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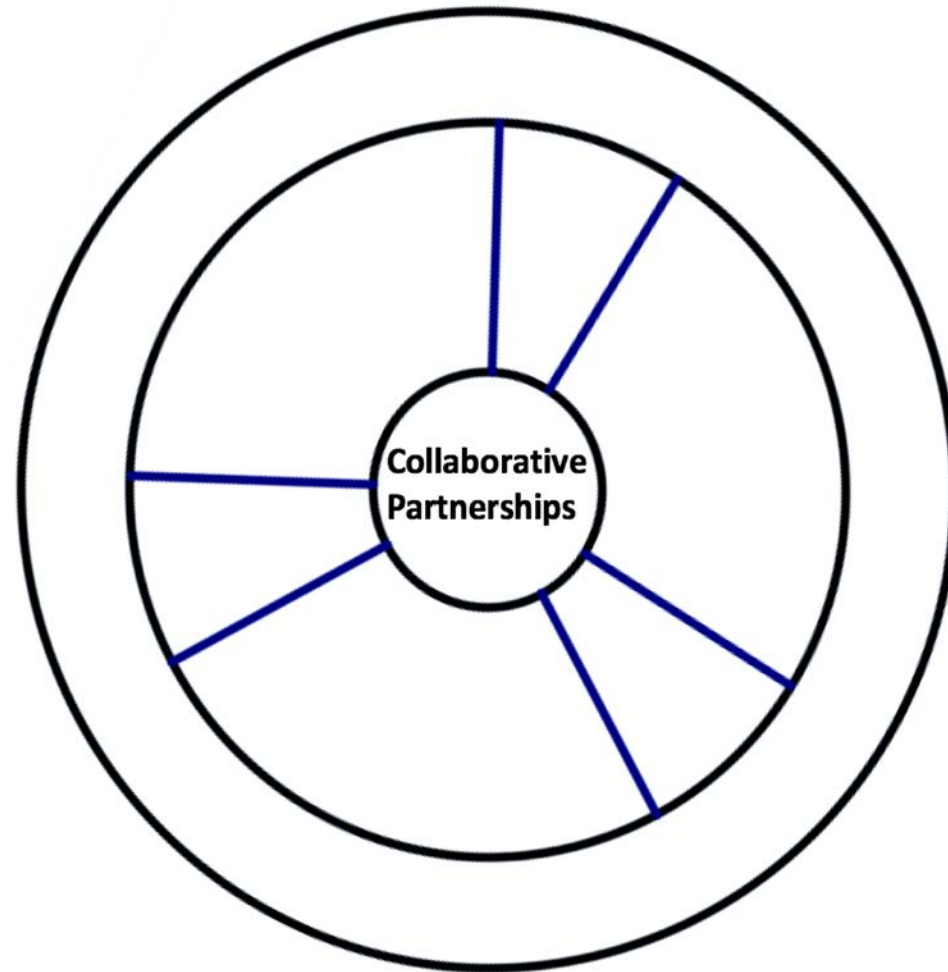
# CREATING SUSTAINABLE GROWTH IN RURAL MATHEMATICS CLASSROOMS

Sam Rhodes

*Funded by a Grant from the Mathematics and Science  
Partnership*

# How can we create sustainable change?

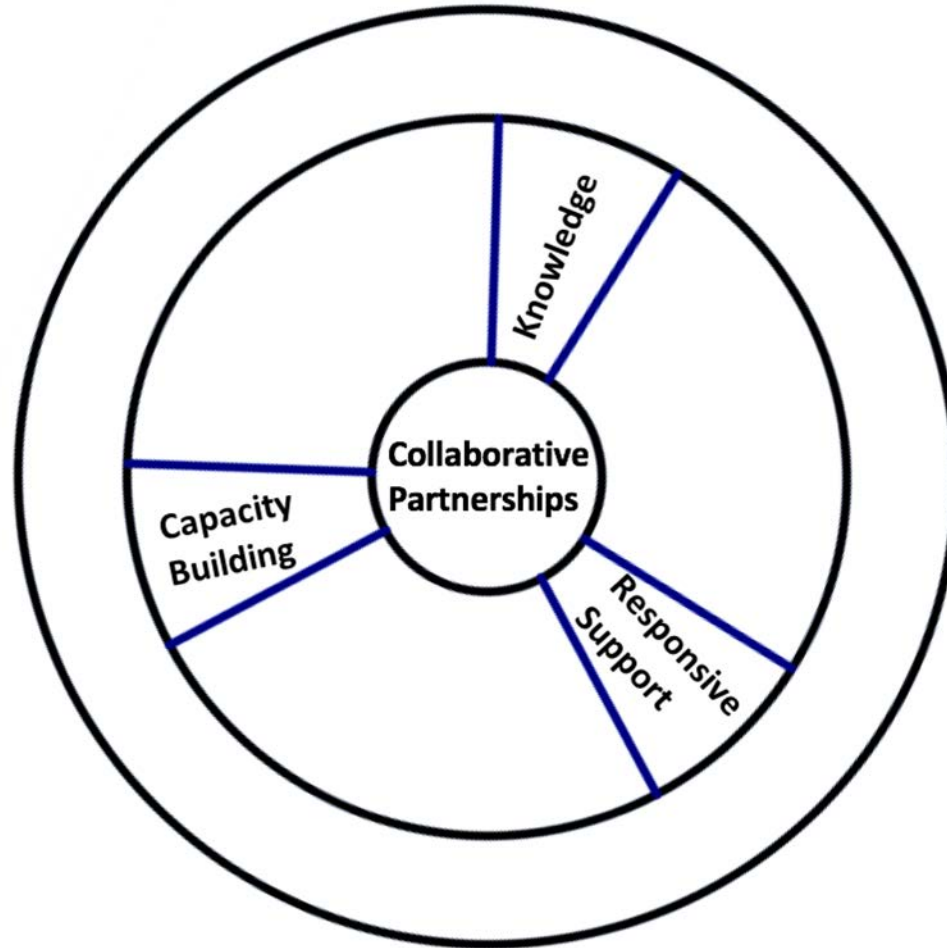


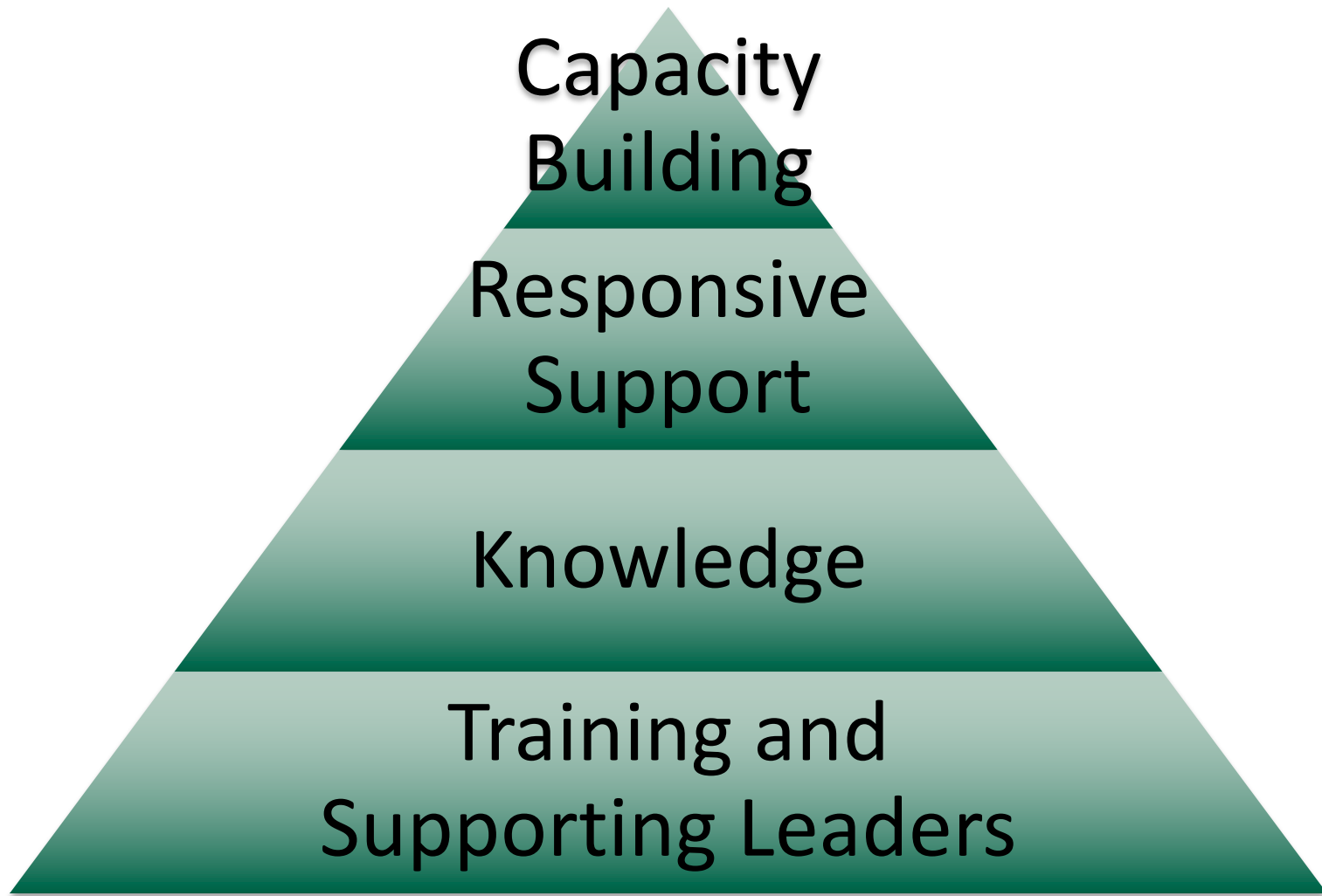


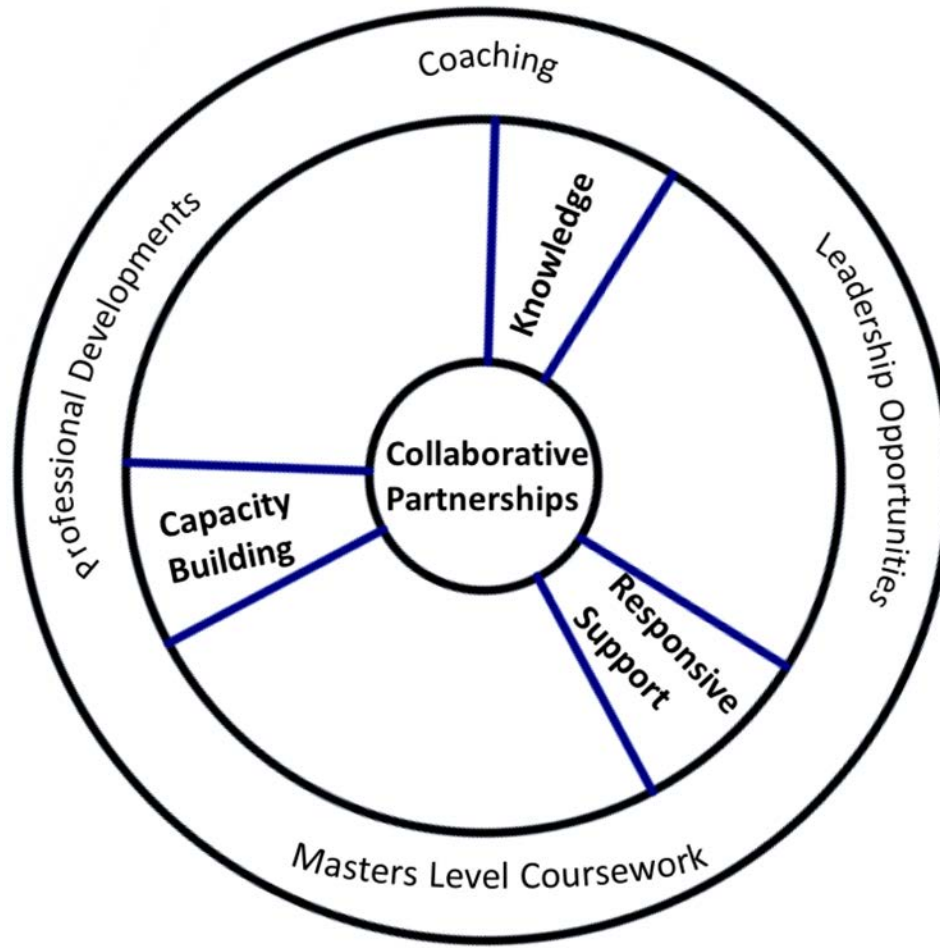
## Collaborative Partnerships Between:

- School leaders and the university.
- Teachers and specialists.
- Teachers and professors.











## Coaching

- Site-based coaching once per week.
- Helps teachers implement learning through model lessons, co-planning.
- Allows for constant assessment of school needs.
- Informs professional developments.



## Professional Developments

- 7 professional developments per year.
- Based on the needs of the school.
- Developed collaboratively through conversations between the university staff and school leaders.

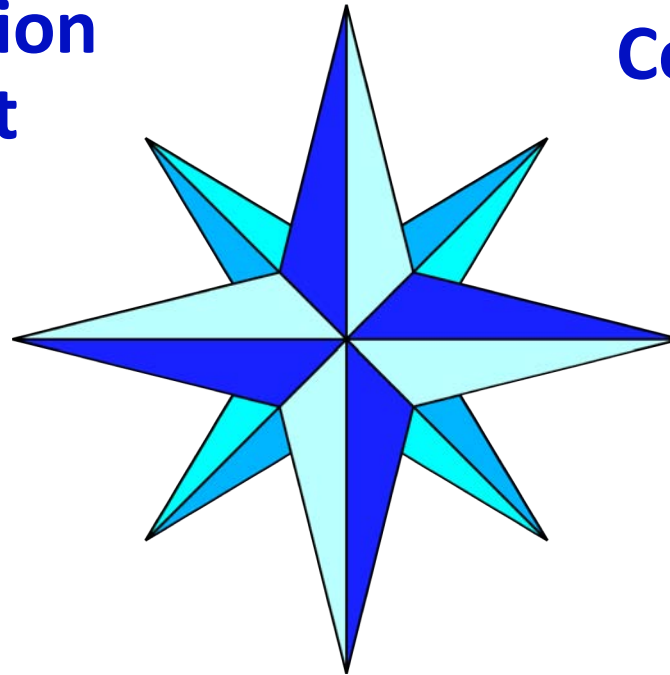


**Collaboration with  
School Leaders**

**Coaching/ Reflection  
and Adjustment**

**Coaching/Needs  
Assessment**

**Collaboration with  
School Leaders**



**Collaboration with  
School Leaders**

**Coaching/  
Implementation**

**Professional  
Development**

**Collaboration with  
School Leaders**

## Coursework

- Teachers offered free math specialist courses.
- Leads to VA math specialist certification.
- Focus on the development of content and pedagogical knowledge.



## Leadership Opportunities

- Guaranteed a place to present at our annual mathematics conference.
- Allowed to lead professional developments at their schools.
- Focus on developing sustainability through leader training.