



# **Toward a Numerate Culture: A Quantitative Literacy Project**

**Scott Dillery  
Lindsey Wilson College  
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# Events to Present

- Students failing.
- Data Models implemented.
- Quantitative Literacy workshop and grant.
- Numeracy Teaching Circle at LWC.

# Students Failing

- 83% first generation.
- Quick to give up.
- Poor preparation with multiple deficiencies.
- Defiant toward Algebra.



# Data Models Implemented

- Analyze data graphically.
- Use recurrence relations.
- Implement spreadsheets.
- Include projects.
- Use open source text.

# Quantitative Literacy Workshop

- **May 2008.**
- **Emory & Henry campus.**
- **ACA schools invited.**
- **Funding.**
  - **Mellon Foundation**
  - **Project Kaleidoscope**

# Quantitative Literacy Grant

- Mini-grants.
  - Bio, Engl, Math, Psych
  - Continue in spring
- Persuasive speeches.
- Common reading.
  - *Money Ball*
  - *Freakonomics*



# Numeracy Teaching Circle

- 10 faculty.
- 8 disciplines.
- Meet weekly.
- Administer mini-grants.
- Lead common reading.

# Observations

- **Multidisciplinary helps buy in.**
- **Common reading is good.**
- **Data Models “works”.**
- **Inadequate student support.**
- **Less than expected faculty participation.**



# In the Future

- **QL workshop number two.**
- **Academic support coordination.**
- **Faculty workshops.**
- **Functions course.**
- **Team taught courses.**



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# Contacts

- **Scott Dillery, Math**  
**dillerys@lindsey.edu**
- **Greg Phelps, Comm.**  
**phelpsg@lindsey.edu**