Toward a Numerate Culture: A Quantitative Literacy Project

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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

- Emory & Henry campus.
- ACA schools invited.

Funding.
- Mellon Foundation
- Project Kaleidescope
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.
LWC thanks

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