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Kerry Mitchell
Project Tri-Chairs
Dr. Lisa Young, Scottsdale Community College
Dr. Alisa Cooper, Glendale Community College
Angela Christiano, Paradise Valley Community College

OER Faculty In Residence
Matthew Bloom, Scottsdale Community College

Executive Sponsor
Dr. Sam Dosumu, Associate Vice Chancellor of Academic Affairs

CEC Representative
Dr. Jan Gehler, President, Scottsdale Community College
Mathematics

- MAT082 Basic Arithmetic
  23,093 non-OER students, 5605 OER students
- MAT092 Introductory Algebra
  32,931 non-OER students, 7909 OER students
- MAT12x Intermediate Algebra
  36,785 non-OER students, 5,233 OER students
- MAT15x College Algebra/Functions
  29,132 non-OER students, 3,330 OER students
Mathematics

- Taught using MyOpenMath (MathAS)
- Use creative commons licensed videos
- Use creative commons licensed textbooks
- Use creative commons licensed workbooks
- Some require printed materials
OER students had, on average, higher grades than non-OER students.

The only exception was MAT08x, where the average OER grade was still higher, just not statistically significantly higher.

In all five groups of classes, the OER students dropped at a lower rate, and those drops were statistically significant.
Grant – funded OER Courses

- Business
- Psychology
- Reading
- Biology
- Health Science
- Spanish
- Chemistry
- English

Open Textbooks are in your future.

http://collegeopentextbooks.ning.com/
Project Timeline for Grants

**Fall 2017**
- Proposals submitted and reviewed
- Participants selected

**Spring 2018**
- Training of participants
- Development of OER materials w/support and training
- Monthly update reports due on 1st of each month

**Summer 2018**
- Development of OER materials
- June 15, 2016 - Course materials submitted for review

**Fall 2018**
- Piloting of OER materials in live classes
- Continued Development of OER materials w/support and training
- Monthly update reports due on 1st of each month
- Load completed course to Canvas Commons
Maricopa Millions Grants

- Courses
- 9 Phases
- Training
- Development
- Piloting
Maricopa Millions Grants

- **CHM130**  
  Fundamental Chemistry  
  17,407 non-OER students, 1240 OER students

- **ENG101**  
  First-year Composition  
  74,794 non-OER students, 179 OER students

- **ENG102**  
  First-year Composition  
  60,616 non-OER students, 122 OER students

- **GBS151**  
  Introduction to Business  
  14,839 non-OER students, 335 OER students

- **PSY101**  
  Introduction to Psychology  
  52,433 non-OER students, 3898 OER students
Maricopa Millions Grants

- Of the five courses reviewed (CHM130, ENG101, ENG102, GBS151, and PSY101), only one (GBS151) had statistically significant grades for OER classes.

- For CHM130 and both ENG classes, the grades were definitely worse for OER.

- PSY101 is slightly better, but statistically undecided.

- CHM130 and GBS151 had statistically significantly better drop rates for OER classes.

- For ENG101 and PSY101, the drop rates were significantly worse, and ENG102 was undecided.
OER Enhancements

- OER Fee
- RFP for Vendors
OER Enhancements

- MathAS
- Lumen Learning - Waymaker
- Knewton - alta
- Cengage Open Now
Conclusions

Could the work required through collaboration across faculty and colleges on OER result in stronger success metrics for those students enrolled in OER courses?
What’s Next

- Study courses at home institutions
- Look at other Maricopa Milions grant-funded courses
- Look at other courses using OER Enhancements
## OER Savings Progress

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<tr>
<th>Semester</th>
<th>Cumulative</th>
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<tr>
<td>Fall 2017</td>
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<td>Spring 2017</td>
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<td>Fall 2013</td>
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### Project Total:

- **Spring 2018:** $1,264,000
- **Total:** $11,520,000