AMATYC 2016 – S152 OER From Beginning Algebra to Precalculus and Statistics
Sophia Georgiakaki Tompkins Cortland Community College (New York)
Professor of Mathematics szg@tompkinscortland.edu

Started in 2011 through the Kaleidoscope grant
- Success rates increased from 23% to 75-83% (C or better)
- Retention rates increased from 62% to 78%
- Cross-section success increased from 38% to 53% the 1st semester of implementation

Intermediate Algebra Course:
- MyOpenMath Course www.myopenmath.com
- PLUS Functions Chapter & Linear Inequalities in Two Variables (credit to James Souza MOM)

Support Content:
- YouTube Channel: https://www.youtube.com/channel/UC9AJPSBh6zF1DIPr1K68w_Q
- Blank Notes
- Practice Tests
- Updated Video Content

2191 Students have used MOM from Spring 2011 to Fall 2016 – $265,000 - $360,000 in textbook savings
Students love the value, videos, practice activities, homework, notes, practice tests, YouTube Channel
We have expanded (in MyOpenMath):
- College Algebra and Trigonometry / Precalculus
  - CK12 Textbook http://www.ck12.org/algebra/ (course developed in MOM by James Souza)
  - David Lippman/Melonie Rasmussen Book http://www.opentextbookstore.com/precalc/
- Statistics
  - Open Stax Textbook https://openstax.org/details/books/introductory-statistics
  - MyOpenMath Assessments developed by Alyson Day www.myopenmath.com
- Support Course for Beginning Algebra in MyOpenMath (in-house workbook for TC students only)
  - MyOpenMath Assessments developed by Christel Donlick www.myopenmath.com

Other OER at Tompkins Cortland
- Multiple Courses: Psychology, Biology, Business Administration – NextGen Grant for fully OER degree, Computer Applications / Computer Programming / Computer Information Systems, Economics, English, Communications
- Fall ‘11 to Spring ‘16 total textbook savings ~$599,400; well over $600,000 thru Fall ‘16
- 102 Sections in calendar year 2016
- 29 instructors 2011-2016; PLUS 20 new instructors for 2017

You can take a peek at our Intermediate Algebra course (as a student or as an instructor)