Access

Direct Link: [http://www.open.edu/openlearnworks/course/view.php?id=25](http://www.open.edu/openlearnworks/course/view.php?id=25) This direct link may be subject to change. Please use the link provided below if you experience any difficulties.

Bridge to Success: [http://bridge2success.aacc.edu](http://bridge2success.aacc.edu) Under “Courses” on the left side of the screen, scroll down to *Succeed with Math* and select the link embedded in the text.

Description

*Succeed with Math* (SWiM) is a free Open Educational Resource (OER) that engages students through interesting and genuine real world examples young adults can easily relate to. This course reviews key arithmetic concepts, improves students’ college readiness, and helps students gain mathematical confidence and abilities while showing practical applications of basic math in everyday situations. SWiM is a relevant, fun, and unique course that students can take on their own or use as a supplement for class.

Content

**Unit 1: Math and You** is designed to build math confidence, to start to develop problem-solving strategies, and to explore some of the study skills that you need to be successful in mathematics.

**Unit 2: Getting Down to the Basics** addresses these key areas: the history of numbers, using a number line, decimals, rounding, and estimating.

**Unit 3: Everyday Math** introduces the four basic math operations and some mental math strategies.

**Unit 4: Math in Real World** looks at more problem-solving strategies, as well as the importance of order of calculations and exponents.

**Unit 5: Numbers Everywhere** explores units of measurement, signed numbers, and reading and writing mathematics.
Unit 6: Parts of the Whole focuses on understanding and using fractions, and applying the four basic math operations to them.

Unit 7: Using Fractions reinforces strategies for what to do when you get stuck on a problem, using a real-life problem with fractions.

Unit 8: Relationships Among Numbers provides activities to address how numbers are used in daily life, and explores the connections among fractions, percentages, and ratios.

Unit 9: Exploring Patterns and Formulas explores some of these patterns to help you tackle a different variety of problems.

Unit 10: Investigating Geometric Shapes and Sizes is about how shapes and sizes can be measured.

Unit 11: Communicating with Data, Charts, and Graphs explores how we collect, record, analyze, interpret and use math in our everyday life.

Key Features

- Pre-Quizzes to assess current concept knowledge
- Post-Quizzes to gauge student progress
- Promotion of successful study habits and written work
- Web 2.0 Calculator (http://web2.ocalc.com) with tutorials
- Brief overviews at the start of each unit entitled “What To Expect”
- Activities that include helpful hints/discussions as well as fully explained solutions
- Short video clips that enhance topics and solidify conceptual knowledge
- Instructor explanations through Pencasts (animated pdf files) on difficult topics
- Self Checks with answers that provide students with more practice on key concepts

Institutional Partners and Acknowledgments

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Open Educational Resources

Some of our current favorites:

- OpenStax: [http://openstaxcollege.org/books](http://openstaxcollege.org/books)
- Scottsdale Community College Math Blog [www.sccmath.wordpress.com](http://www.sccmath.wordpress.com) (Part of Maricopa Community College System in Arizona [www.maricopa.edu/oer](http://www.maricopa.edu/oer))
- Mathispower4u Tutorials by James Sousa: [www.mathispower4u.com](http://www.mathispower4u.com) (vast video library)
- Succeed with Math project & Math anxiety web-shop: [http://bridge2success.aacc.edu](http://bridge2success.aacc.edu)
- Multimedia Educational Resources for Learning and Online Teaching: [www.merlot.org](http://www.merlot.org) (search feature in upper left box)
- OpenTextBookStore: [www.opentextbookstore.com/catalog.php](http://www.opentextbookstore.com/catalog.php) (math texts only)
- Community College Consortium for Open Educational Resources: [www.oerconsortium.org](http://www.oerconsortium.org)
  - Creative Commons: [www.creativecommons.org](http://www.creativecommons.org) (everything from creative-commons licensing to searching for pictures and clipart)
  - MyOpenMath: [www.myopenmath.com](http://www.myopenmath.com) (homework system)
  - Math courses: [www.opencourselibrary.org/course](http://www.opencourselibrary.org/course) (includes higher level)
  - Repository: [http://collegeopentextbooks.org/opentextbookcontent](http://collegeopentextbooks.org/opentextbookcontent)

Some of your colleagues favorites (collected during the AMATYC presentation):

- YouTube Channel “OCLphase2” (Liberal Arts Math videos)
- YouTube Channel “PatrickJMT” (includes higher level math videos)
- Illustrative mathematics for teacher preparation courses: [www.illustrativemathematics.org](http://www.illustrativemathematics.org) (CAUTION: Don’t abbreviate “mathematics” or a potentially harmful webpage may pull up)

OER issues to keep in mind:

- Sustainability
- Technical challenges
- Accuracy of mathematical content

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