

## About Math Works

Achieve's *Math Works* advocacy kit provides resources that make the case for why all students—regardless of their plans after graduation—should engage in rigorous math course-taking throughout their high school experiences. The *Math Works* materials—ranging from fact sheets, PowerPoint presentations, brochures and others—is a resource for policymakers, advocates, educators, parents and students alike that demonstrates the connection between higher-level mathematics course-taking and college access and success, workplace and career readiness, and personal and U.S. competitiveness.

At its core, *Math Works* seeks to answer the age-old question familiar to any mathematics educator: Do I really need to learn this, will it help my future and will I ever use it again? The short answer is yes, yes and yes.

*Math Works* underscores that all high school graduates—regardless of whether they enroll in college, join the workforce or enter the military—benefit from acquiring a comprehensive knowledge base and skill set in mathematics.

## Math Works Materials

- **Fact Sheets:** A series of one-page fact sheets focusing on specific arguments for advanced math course-taking in high school, such as *All Students Need Advanced Math*, *Advanced Math Equals Career Readiness* and *Advanced Math: Closing the Equity Gap*.
- **PowerPoint Presentation:** Each fact sheet will have a complementary PowerPoint Presentation.
- **Mathematics at Work Brochures:** The Mathematics at Work brochures present case studies drawn from leading industries nationwide – such as Information Technology, Advanced Manufacturing and Civil Engineering Technology – to illustrate the advanced mathematics knowledge and skills embedded in jobs that offer opportunities for advancement and are accessible to high school graduates.
- **Policy Paper:** *The Building Blocks of Success: Higher-Level Math for All Students* synthesizes the current research base on why math is so important to all students, how it serves as a foundation for higher order thinking, improves access and success in college and careers and benefits individuals as well as the U.S. economy.
- **Math Research Resource Bank:** An annotated resource bank of mathematics related studies, reports and other resources.

## How to Get Math Works Materials

All materials are available free of charge on our website and are also available in hard copy, along with a custom *Math Works* folder, upon request. Please feel free to contact Sandy Boyd ([sboyd@achieve.org](mailto:sboyd@achieve.org)) or Kate Blosveren ([kblosveren@achieve.org](mailto:kblosveren@achieve.org)) with any additional questions regarding this work.