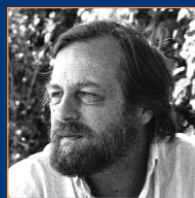


Today students face "must pass" scenarios: passing newly required math courses and statewide assessments such as the MCAS, TAKS and Regents. These tests and courses require many students to think in new ways, and work harder than they ever have before. COMAP provides the necessary tools to help teachers prepare students for these challenges: curriculum and teaching strategies that promote critical thinking and motivate students to achieve.

*"When COMAP began in late 1980 we had a rather simple mission—to teach mathematics through modeling and applications. Students have asked for years, 'What will we ever use this for?' We set out to answer them with a body of curriculum materials in modules, journals, newsletters, and texts in print, video, and electronic formats that embodied this approach—presenting mathematics through its contemporary applications. And, over the years, we have worked at every educational level, from elementary school to graduate school, because we believe that students need to see mathematics as part of their personal experience from their very first encounters with number and pattern.*

*We have been changing the way mathematics is taught."*

—Solomon Garfunkel  
Executive Director



Solomon Garfunkel earned a Ph.D. in Mathematics from the University of Wisconsin, taught at Cornell and the University of Connecticut, served as a consultant with the Education Research Center at MIT as well as the Education Development Center in Newton, MA, and has been the Executive Director of COMAP since its inception in 1980.

## MEETING STUDENTS' EDUCATIONAL NEEDS

Today's technical and vocational schools face a new challenge—preparing students for high-stakes exams based on changing curriculum standards, while retaining their commitment to applied and contextual learning. The pressure has increased for students to grasp algebra and geometry thoroughly, and apply these concepts to problems found on exams and in the workplace.

The need for functional understanding of math goes beyond the horizon of standardized tests: A lack of mathematical facility is an enormous handicap in virtually every facet of life in the real world.

Since 1980, we have worked with partners such as the National Science Foundation, the National Council of Teachers of Mathematics, the United States Department of Education, the National Security Agency, the Massachusetts Curriculum Library, and the Public Broadcasting Corporation. We produce award-winning videos, textbooks, modules, teacher training materials, and various contests for students. We support the national movement to improve education at all levels.

The satisfaction that comes with solving a real problem—being challenged, and overcoming that challenge—is what COMAP is all about. We create learning environments in which students of all ages and all levels address relevant problems and develop real skills; skills for academic advancement; skills they will use for the rest of their lives.



## COMAP'S CURRICULUM CUSTOMIZATION

Effective curricula for technology and vocational schools prepare students to:

- Reason analytically, and relate mathematical concepts to everyday activities
- Develop a deep understanding of concepts, and apply them in meaningful and efficient ways
- Experience learning by *doing*—through discovery, exploration and invention. Students participate in problem-solving activities, hands-on projects, and laboratories
- Apply concepts in relevant, realistic contexts; reinforce a strong connection to the working world that awaits them after school

## WE OFFER:

- Integration with your current curriculum
- Project-based learning
- Curricula that integrates rigorous academics and mathematical applications into occupational learning
- Increased student motivation to learn mathematics
- An extensive library of supplemental mathematics material

COMAP's curriculum development combines the power of high-level mathematics with the goals of students who are pursuing careers in fields such as technology, construction trades, and agriculture.

We address varied learning styles, and reinforce the transfer of classroom knowledge to work situations.

## PROFESSIONAL DEVELOPMENT AND CONSULTING

COMAP effectively trains teachers to integrate applications-based materials with existing curricula. Trainers with experience in classroom techniques, mathematical applications, and hands-on projects enable educators to prepare students for today's high-stakes testing atmosphere. Sessions are customized to each school's needs.

Call 1-800-772-6627 x37 or e-mail us at [info@comap.com](mailto:info@comap.com) for a **FREE** needs analysis.

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## GEAR UP FOR MATHEMATICS SUCCESS!

For a **FREE** needs analysis, call 800-772-6627 x37, e-mail us at [info@comap.com](mailto:info@comap.com), or return this form.

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School \_\_\_\_\_

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City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Phone number \_\_\_\_\_

E-mail address \_\_\_\_\_

My interest is:  Technical Math Curriculum  Professional Development for Math & Career Education Teachers

