LAKE MICHIGAN COLLEGE

Teachers bring real world into math instruction

By RALPH HEIBUTZKI

HP Correspondent

BENTON HARBOR Advanced math is tough ever, the order and type sale is a better deal?" Kelenough without slogging through all those "x+y=z" equations, so Lake Michigan College math instruc- ogy, engineering, math) or Brown's and Bendixen's tors Peter Brown and Chris non-STEM majors, said classes have included credit Bendixen are giving it a real Leslie Kellogg, LMC's vice card rates, subprime loans world spin in their quantitative reasoning class.

"There's some algebra, education). but more modeling of algebra," Brown said. "There's a lot of critical thinking, taking problems from the real class. STEM majors will world and analyzing.

how math is taught – starting with the order of classes Quantitative students take.

Under the old system,

mediate algebra and precalculus/calculus.

Starting this fall, howof classes students take logg said. "It's that kind of will depend on if they're applicable real life math." STEM (science, technolpresident of academic ser- and stock market perforvices (career and workforce mance, among others.

students will start with prealgebra and a math literacy then proceed to intermedi-The new approach also ate algebra (Math 122) and coincides with changes in classes in their fields, while non-STEM majors will take Reasoning (Math 123).

introductory algebra, inter- Say that you're grocery and Sidnee Tyree agreed that if buying two of something in a smaller container on

> Subjects covered

For example, students Under the new system, might have to read an article about the subprime loan industry, analyze a topic and write a paper on it, Bendixen said. Students also learn to work with Excel spreadsheets.

Brown and Bendixen remonth's LMC board meet- B's and C's in his math class-"There's financial literacy, ing, where students Kaitlyn es, because "I hated math all

shopping, how do you figure taking the quantitative reasoning class has gotten them to think of math differently.

> Mettler appreciated the chance to work in groups, which she credited with sharpening her analytical abilities.

She cited a project that required researching various nations' death rates and seeing how the statistical information applied to each one.

"I learned you have to analyze it more," she said. "Does the data make sense to the problem at hand, and would the solution make sense to what (the project's) asking you to do?'

Santana described himself viewed their work at last as someone who got by with students took pre-algebra, there's consumer use math. Mettler, Nicholas Santana my life," he said, laughing.



Lake Michigan College math instructors Peter Brown. left, and Chris Bendixen say it's time to give the subject a stronger grounding in the real world and make it more relevant for students.

Ralph Heibutzki / HP Correspondent

Taking the class changed day, also enjoyed the class's that thinking, especially af- strong real world posture. ter he saw how his college loans are calculated, Santana said.

Now I can see how \$9,000 loan becomes over a 20-day period. \$20,000 by paying (only) the minimum balance," he said. "It's beneficial to know do that.'

own business some no idea.'

Her favorite project required choosing and investing in a particular stock, then seeing how it performed

"Not only was I learning about math, but I was learning about stuff that was how to build your credit. going on in the real world, This course has helped me too," she said. "It was fun to do a project like that, and Tyree, who hopes to run learn how stocks work. I had