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AGENCY OF EDUCATION

To: VT School Counselors and VT School Leaders
Re: VTVLC offering Essential Math for College and Careers (EMC²)

Contact: Kristin Hubert, Director, VT GEARUP, hubert@vsac.org

Website: vsac.org/emc2

We are excited to announce that the Essential Math for College and Careers (EMC²) course is available online through VTVLC. EMC² is a one-year, two-semester, one-credit high school course taught by a highly qualified VT high school math teacher trained through the EMC² Teacher Professional Development program.

Enrollment is **FREE** to any Vermont high school student who is appropriate for the course through the support of VSAC's GEAR UP grant. This offer has been extended through the 2025-2026 school year. Register at vtvlc.org for Essential Math for College and Careers. This is a year-long, one-credit high school math course.

This course is ideal for students who have completed Algebra I, Geometry, Algebra II, or the equivalent but still need to strengthen their core algebra and numeracy skills or are missing key proficiencies for graduation. We have linked to, and assess specifically for, 16 Essential Concepts all of which are drawn directly from the Common Core State Standard-Math standards. These Essential Concepts can readily link to high school math proficiencies. Students who are looking for an option to improve their conceptual understanding in a more hands-on, discussion-format, problem-based course would benefit from taking this course. Our data shows that students who've taken EMC² feel more confident in math and about taking future math courses.

Partnering with VTVLC allows us to provide this course to students all around our rural state if their school cannot offer it on-site. To maintain the best practices of the course, this will NOT be self-paced. Students will occasionally participate in group discussions synchronously. Accommodations will be made to make participation accessible to many. Outside of the group discussions, students will have flexibility to engage in the materials like any other online course (at the best time that works for them). We have found that students do best when they schedule a time at school to work on the course with others. This is a TWO semester course and student schedules must reflect this.

See vsac.org/emc2 for the list of Essential Concepts and data results from students and teachers who've taught the course.