

UNCOMMON



MATH

2023-24

Vision Statement

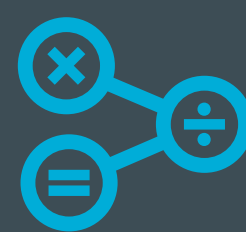
Every Uncommon Schools mathematics classroom is a joyful community of learners who are problem-solvers, flexible thinkers, risk-takers, and lovers of math. Students develop deep, lasting, and flexible mastery that spans across lessons, units, and courses. To achieve this, we are committed to developing mathematicians who construct viable arguments, respectfully critique the reasoning of others, and persevere through challenging tasks in the classroom and in their everyday lives and in their future careers. We also strive to motivate and support students' long-term goals to pursue careers in STEM-related fields.

Core Values of 5-12

Mathematics Instruction



We talk math.



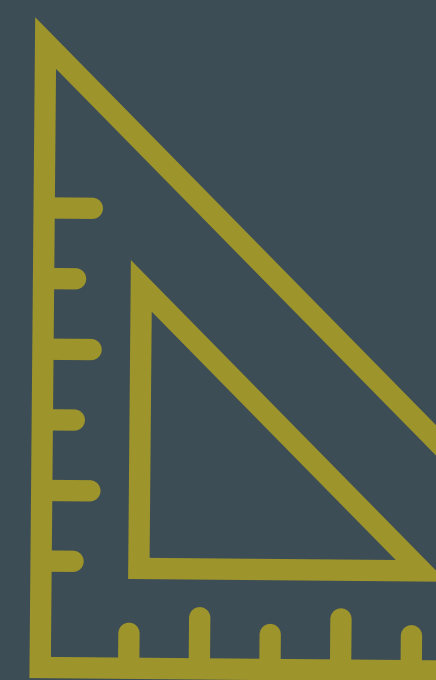
We make math connections.



We persevere.



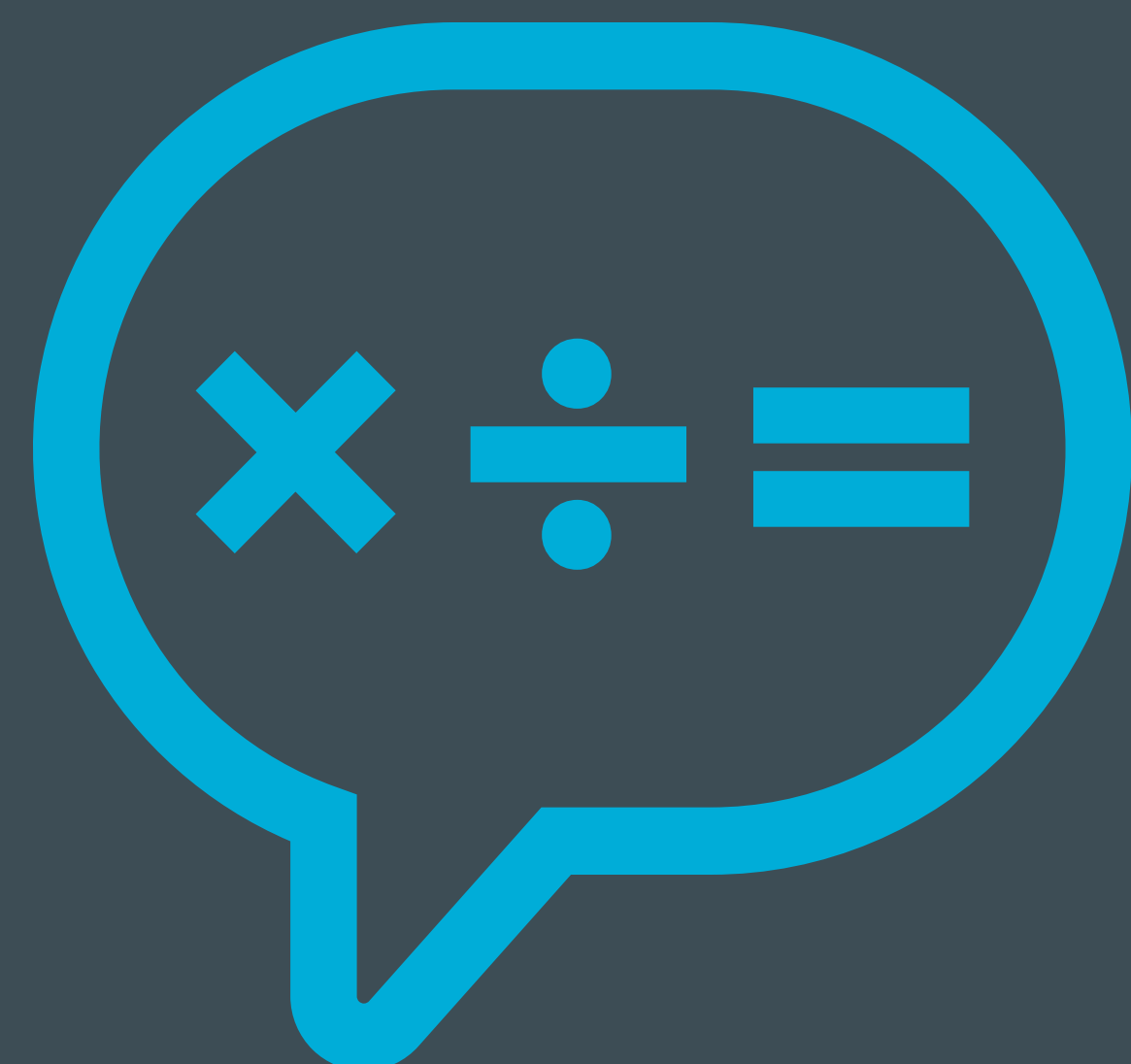
We are a community.



Core Value #1

WE TALK MATH

Students drive their own learning, and they develop deeper understanding, when they share ideas with each other. Our classrooms are designed to elevate student voice and build student capacity to have rich discussions about the mathematics they are doing and learning. More than 50% of the lesson is student talk.

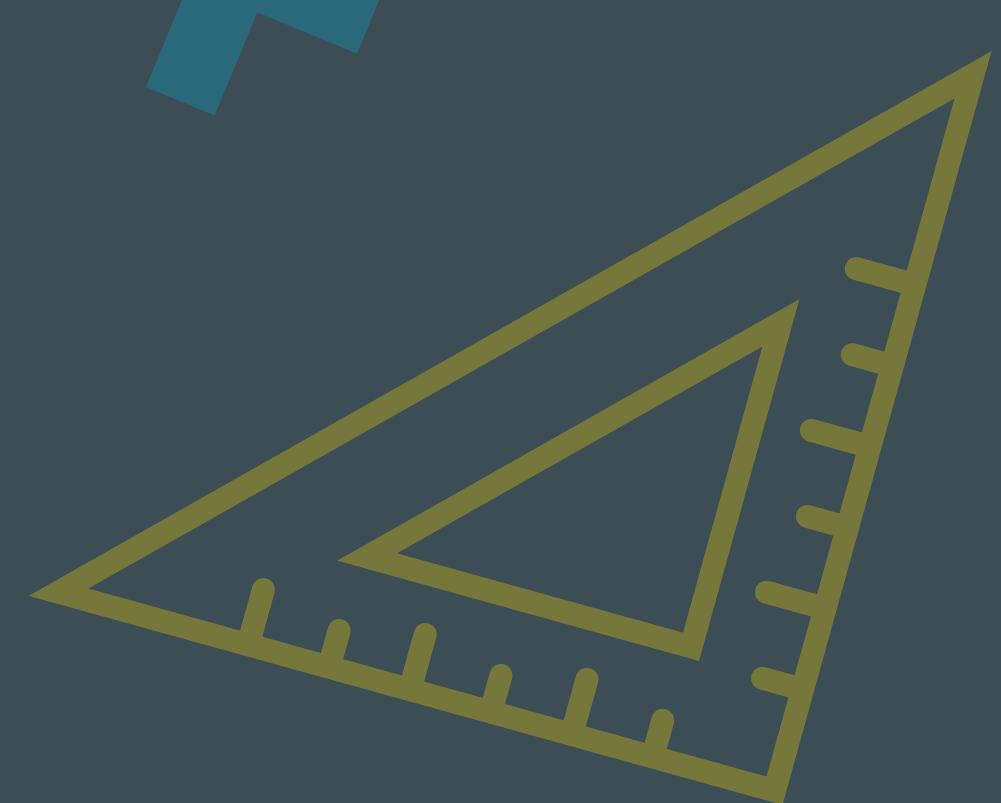


Core Value #2

WE MAKE MATH CONNECTIONS

We actively promote and celebrate multiple representations (for example, table, equation, graph) and multiple solution pathways (for example, arithmetic vs. algebraic).

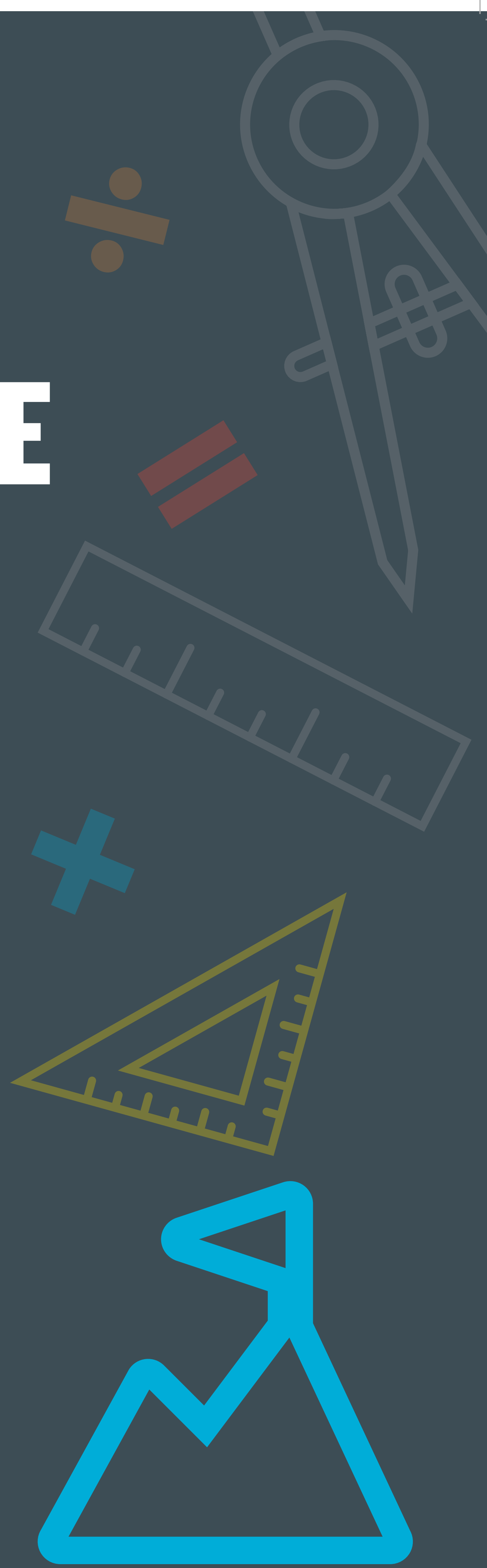
Teachers understand the enduring mathematical understandings and encourage students to make mathematical connections between lessons, units, and courses. It is our responsibility to help students understand how each lesson connects to a big idea.



Core Value #3

WE PERSEVERE

The math classroom is a safe and brave space where all members value mistakes and see them as growth opportunities. We take risks and are comfortable being uncomfortable. We encourage curiosity and teach our students how to persevere when facing tough problems.



Core Value #4

WE ARE A COMMUNITY

We are a community of mathematicians where teamwork is valued. We celebrate each other's growth & achievements, and we support each other through individual and collaborative struggle. We believe that two minds are better than one; we learn better together than alone.

