Multidimensional Education Supports Whole Child Development & Equitable Engagement for All Learners

Science
Knowing science content allows people to fully engage in the work of science. Using crosscutting concepts and engaging in the practices of science, allows us to make sense of real-world phenomena and make informed decisions about critical issues our societies face.

Technology
Technology supports exploration, discovery, creativity, and collaboration. 21st century careers require the effective use, evaluation, and creation of information, media, and technology.

Engineering
Engineering helps us to solve real-world problems. Understanding an engineering design process, being able to engage in the practices of that process, and thinking like an engineer are critical pieces of this work.

Mathematics
From simple measurement to complex statistics and probability, math is integral to many scientific disciplines and careers. Both fields rely on quantitative data and utilize mathematical models and computational thinking.

Literacy
Reading, writing, and engaging in discourse play an integral role in everyday life and the sense-making, explaining, and designing of scientists and engineers.

Arts & Humanities
Central to all human cultures are arts and humanities. Engaging in this dimension builds intercultural understanding, provides a foundation for a civically engaged life, and supports the critical and creative thinking needed for a rapidly changing world.

Culture and Affective
Classrooms that leverage the diversity of cultures and the personal experiences students bring have deeper learning and more engagement. Attending to this is not just a catalyst for learning, but a prerequisite.

Learning, Life, and Career Skills
These skills transcend the boundaries of school and set students up for success in a modern world. They include things like goal setting, critical thinking, stress management, problem solving, and collaboration.