

Climate

At MICDS, we teach the science of climate change as an essential part of a modern science education. Decades of peer-reviewed research and overwhelming consensus from the global scientific community confirm that Earth's climate is changing, and that human activity is the primary driver of recent changes due to the release of heat-trapping greenhouse gases.

Our curriculum emphasizes that climate science is not a matter of political opinion or debate, but a well-established field rooted in data, models, and physical principles. We teach students to evaluate claims, interpret evidence, and understand how scientific conclusions are drawn from long-term trends, satellite observations, and computer simulations. Instruction is scaffolded developmentally across grade levels and grounded in national standards, including A Framework for K–12 Science Education from the National Research Council and the Next Generation Science Standards.

Students learn about Earth's energy balance, carbon cycle, and the relationship between greenhouse gas emissions and global temperature rise. We also explore the societal implications of climate change, including sea level rise, extreme weather, and the need for mitigation and adaptation strategies. At MICDS, students are empowered not only to understand the problem but also to imagine and evaluate solutions.

We reject false equivalence between scientific consensus and misinformation. Our faculty are supported in teaching climate science with integrity, clarity, and evidence. At MICDS, we believe that preparing students for the future includes equipping them with the knowledge needed to address one of the most pressing challenges of our time.

