

MCAA STEAM Units Driving Questions

2022-2023 STEAM Units

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Grade 3	How can studying food systems of indigenous peoples improve food sustainability?	How does investigating and caring for the past help guide our present and our future in this ever changing world?	How can motivations of populations impact how and where people live? What motivations bring families to MCAA?	New Unit Under Development (Heat Energy)
Grade 4	What does revolution look like?	How can we design an experiment that could be conducted on the International Space Station?	How can new technology help us solve problems as a society expands?	New Unit Under Development (Ecosystems)
Grade 5	How can we design a home that can withstand the natural forces of an earthquake?	How can we as global citizens address the need for affordable housing in our communities?	New Unit Under Development (Electricity & Magnetism)	New Unit Under Development (Civil Rights)

Units Under Review/Revision

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Grade 3	How can we prevent the damage caused by weathering and erosion at MCAA?	How do MCAA students experience conflict and cooperation during recess? How can MCAA students address conflict and cooperation during recess independently?	How can we help solve the problem of pollution <i>and</i> how will our solution help animals and plants survive in the Georgia habitats?	How do we develop unique products incorporating local resources as entrepreneurs to productively contribute to the economy of Marietta? What are the opportunity costs of supporting your local economy?
Grade 4	How do we predict, measure and forecast weather?	What do my rights look like, as a student at MCAA?	How can we as scientists engineer a contraption that applies the concepts of force and motion to provide entertainment to those around us?	How is the development of new technology affecting the jobs that are available?
Grade 5	How can we use innovative solutions to solve traffic issues in Metro Atlanta?	What characteristics and features of microorganisms make them beneficial or harmful?	How can we design a survival kit to help refugees while they relocate?	How do scientists classify living things? What is the naming process of new plants/animals?