

WHY STUDY MATHEMATICS AND SCIENCE?

- ❖ To prepare for high-paying and high-quality jobs that improve one's quality of life.
- ❖ To support our country's economy, workforce, and national defense.
- ❖ To gather and understand information, think critically, and become good problem solvers.
- ❖ To build an understanding of natural phenomena and human made devices and systems.
- ❖ To be well-informed and better-prepared members of a community.
- ❖ To appreciate the beauty and complexity of the arts, nature, and so much more of our world.

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Ohio Mathematics & Science Coalition

Advocates for the
improvement of mathematics
and science education.

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WHAT IS MATHEMATICS?



Mathematics - The study of numbers, forms, arrangements, and associated relationships, using rigorously defined literal, numerical, and operational symbols.

WHAT IS SCIENCE?



Science - The observation, identification, description, experimental investigation and theoretical explanation of natural phenomena.

*(Definitions taken from
The American Heritage Dictionary)*

Ohio's students must be prepared for a work place and world that are being increasingly driven by advances in mathematics, science, and technology. Preparing all of our students to better understand and address the critical medical, social, and economic issues of tomorrow requires that our schools, communities, businesses, and policy makers work together to improve mathematics and science education today.