



Mansfeld Magnet Middle School's STEM Practices

Mansfeld's teachers implement our innovative STEM curriculum by integrating at least one of our 17 STEM practices into each daily lesson in every class and content area.

Science Practices	Technology Practices	Engineering Practices	Math Practices
Engaging in argument from evidence			
Observing and asking questions	Becoming aware of the web of technological systems on which society depends	Defining problems	Making sense of problems and persevere in solving them
Developing and using models	Learning how to use new technologies as they become available	Planning and carrying out investigations (iterative process)	Modeling with mathematics
Planning and carrying out investigations	Recognizing the role that technology plays in the advancement of science and engineering	Designing solutions	Looking for patterns and using tools strategically
Constructing explanations	Making informed decisions	Obtaining evaluating and communicating information	Attending to precision

In addition, all of Mansfeld's teachers use these practices to inform **quarterly cross-curricular STEM units** in which students examine problems or topics from various content area perspectives.