



Mansfeld Magnet Middle School's STEM *Plus* Practices

Mansfeld's teachers implement our innovative STEM+ curriculum by integrating at least one of our 21 STEM+ practices into each daily lesson in every class and content area.

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.

Science	Technology	Engineering	Math	<i>Plus</i> Art, Music, PE
Observing and asking questions	Becoming aware of the web of technology on which society depends	Defining problems	Making sense of problems and persevering in solving them	Conveying meaning through artistic expression
Developing and using models	Learning how to use new technologies as they become available	Planning and carrying out investigations (iterative process)	Modeling with mathematics	Expressing oneself visually, chorally, and instrumentally
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	Gathering data and making connections using all five senses
Constructing explanation	Making informed decisions	Obtaining, evaluating, and communicating information	Attending to precision	Developing technique and coordination through movement
Engaging in argument from evidence				