The New York State Master Teacher Program in partnership with the Western Section of the Science Teachers Association of NYS are offering science content minicourses. Please join us in this professional development in preparation for the Next Generation of NYS Science Learning Standards.

Participants will learn science content while using the Three Dimensional Learning as outlined in the Framework for K-12 Science Education and the New York State Science Learning Standards.

**Matter and Its Interactions**
**NYSSLS Grades 2, 5, MS**

This minicourse builds ideas about the nature of matter and interactions. We will explore the small particle model of matter and how this model can be used to explain the characteristics of solids, liquids, and gases. We will also investigate physical changes versus chemical changes, and conservation of mass. We will explore the NGSS learning progressions and performance indicators in physical science. [Note: This course is not intended for anyone with chemistry certification]

**Waves & Sound**
**NYSSLS Grades K, 1, 4 and MS**

In this minicourse, we will explore phenomenon of waves and sound. We will learn how waves are made starting with pulses and then introduce the wave model for continuous waves. Refraction, reflection, water waves, sound waves, and seismic waves are all investigated. [Note: This course is not intended for teachers with physics certification.]

Register at msmt.buffalostate.edu/professional-development-wny-teachers
Questions? Please contact the Master Teacher Program at MSMT@buffalostate.edu.