



NYSSLS Science Content Minicourses For P-8 Teachers and Administrators



<p>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.</p> <p>Participants will learn science content while using the Three Dimensional Learning as outlined in the Framework for K-12 Science Education.</p>	<p>When: May 22, 24, 29, 31 5:00 pm - 8:00 pm Food and beverages available at 4:30.</p> <p>Where: SUNY Buffalo State</p> <p>Who: All preK – 8 science teachers and administrators.</p> <p>Cost: There is no cost to attend this workshop.</p> <p>CTLE: All participants will earn 12 hours of CTLE professional development</p>
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Evolution

Grades 2, 3, and MS: LS4

Participants will investigate how variation contributes to the mechanisms of change within a population. The fossil record documents the existence, diversity, extinction, and change of many life forms throughout the history of life on Earth. Natural selection occurs when there is variation in a population that is expressed in traits that lead to differences in survival and reproductive ability.

[Note: Not intended for Life Science certified teachers]

Earth & Human Activity

Grades K, 3, 4, 5, and MS: ESS3

Participants will explore the relationship between humans and Earth; with a focus on energy, natural resources, and severe weather hazards. We will explore both scientific and technological solutions to these challenges and analyze impacts on humans and ecosystems.

[Note: Not intended for Earth Science certified teachers]

Forces & Interactions

Grades K, 3, 4, MS: PS2

Simple explorations using common household items will be used to study Static Electricity, Magnetism, and Gravity forces. Common misconceptions and fundamental ideas will be explored.

[Note: Not intended for Physics certified teachers]

Electricity & Energy

Grade 4 MS PS2

Teachers will learn about electric circuits and transformation to other forms of energy. Fundamental ideas about electric circuits and transformation to other forms of energy. Fundamental ideas about electricity and motion energy will be explored.

[Note: Not intended for Physics certified teachers]

Register at <https://tinyurl.com/ngss2018>

Questions? Please contact the Master Teacher Program at MSMT@buffalostate.edu.



BUFFALO STATE
The State University of New York



Science Teachers Association of New York State
Western Section

