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Session: New Horizons in Education

The NSTA Nanoeducation Challenges

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Nanoscience research, concepts and principles have influenced graduate level educational programs for the last few decades and currently are influencing multiple undergraduate programs throughout the world. The trend continues with the critical intentional integration of nanoscale concepts into K-12 education, in particular grades 7 - 12. However, the introduction and integration of new material into 7 - 12 curriculum faces multiple challenges. These challenges will be briefly discussed with examples of lessons learned and successful implementation strategies for nanoscale content into 7 - 12 grade traditional science courses.