2016 Science Standards Immersion Institute

June 17, 2016

West Des Moines Valley High School

#iowascience

WiFi: wdmcs-guest

8:30-9:00 Registration

9:00-9:20 Welcome, Introductions – Staplin Performing Arts Center (PAC)

9:20-9:30 Transition Time to Large Break-out Rooms

9:30-12:00 Investigating Phenomenon through 3D Learning

Unpacking: Analysis of 3D Science Lesson

12:15-1:30 Lunch and Informal Networking

1:30-3:30 Making Sense of the Iowa Science Standards

Examining Grade Level Performance Expectations

3:30-3:45 Closing and Next Steps


Resources:

[https://iowacore.gov/iowa-core/subject/science](https://iowacore.gov/iowa-core/subject/science)

[https://iowacore.gov/content/science-resources](https://iowacore.gov/content/science-resources)
Institute Facilitators

**Tricia Shelton** is a High Science Teacher and Teacher Leader with a BS in Biology and MA in Teaching, who has worked for 20 years in Kentucky driven by a passion to help students develop critical and creative thinking skills. Tricia is a 2014 NSTA Distinguished Teaching Award winner for her contributions to and demonstrated excellence in Science Teaching. As a Professional Learning Facilitator and NGSS Implementation Team Leader, Tricia has worked with educators across the United States to develop Best Practices in the Science and Engineering classroom through conference presentations, webinars, coordinating and co-moderating #NGSSchat on Twitter, and virtual and face to face PLC work. Tricia’s current Professional Learning Facilitation includes work around the Next Generation Science Standards and helping STEM students develop the 21st Century Skills of critical and creative thinking, collaboration and communication (including Social media and Video) and Project-Based Learning. Tricia serves on the NGSS@NSTA Advisory Board and works as a NSTA Discover the NGSS Trainer and NGSS EQuIP Rubric National Trainer for Achieve.

**Michael Novak** is a 2014 Golden Apple Fellow and National Board Certified teacher, who has taught science, mathematics, and social science in grades 6-8 for over 18 years. He also teaches courses in new approaches to learning and teaching and the high school science methods course in the School of Education and Social Policy at Northwestern University. He has authored instructional units and computational models for high school science classrooms though the Center for Connected Learning at Northwestern University for the past 10 years, and has worked with partnerships in multiple states to develop NGSS-aligned storyline based curriculum materials. Novak is also a facilitator and member of the design team for the Next Generation Science Exemplar System for Professional Development (NGSX), a web-based professional development system designed to help educators grow in their understanding of three-dimensional learning.

The 2016 Summer Science Standards Immersion Institutes are provided to Iowa educators by the Iowa Department of Education with support from Grand View University’s Jacobson Institute for Innovation in STEM Education