

Engaging Learners at the Intersection of Common Core and STEM

About The Andrick Group

The Andrick Group is committed to delivering the kinds of high-quality, engaging, collaborative professional development opportunities that educators want and need. We realize that the most valuable resource a teacher has is time. So when given the time to work with your staff, our primary goal is to both inspire and educate your teachers with the information they need and the instructional strategies they can apply to improve teaching and learning, and most importantly, student achievement.

Additionally, we know that one size does not fit all; every educational community has unique challenges and needs. We take pride in our ability to provide targeted, meaningful learning opportunities by having a conversation, listening to your needs, and creating a customized experience to meet those needs. Most of the sessions we deliver qualify for Title I and Title II funding. Our most requested workshops include:

- ◆ **Common Core State Standards: Building the Dream Team, Getting Parents in the Game**
- ◆ **Whole-Brain Teaching and Learning**
- ◆ **Preventing Summer Learning Loss**
- ◆ **Engaging Learners at the Intersection of Common Core and STEM**

Meet the Presenter



Dr. Melissa Hughes enjoyed 10 years in the public K-12 sector before advancing to teach at the university level. She has conducted research and published work in the areas of summer learning loss and parental involvement, the achievement gap, instructional technology and administrative leadership styles. Dr. Hughes has authored over a dozen instructional resources for teachers, and she has presented at numerous national educational conferences. Melissa uses practical strategies, a solid understanding of the subject matter and humor to engage participants and inspire effective change for students.

www.andrickgroup.com



Engaging Learners at the Intersection of Common Core and STEM

Common Core State Standards and STEM education are familiar phrases in the vernacular of most educators today. The focus of student achievement has extended beyond reading and math scores. The U.S. no longer leads the world in innovations in science, technology, engineering, and mathematics. Without a solid foundation in STEM, our students' prospects grow increasingly more limited. Literacy for productive citizenship and success in today's world needs to include 21st century skills with a strong foundation in STEM.

Literacy, broadly defined, is the basis for lifelong learning. Literacy skills afford students choice and enable them to explore topics of interest creating an affective connection for further learning. Finding creative ways to incorporate content literacies into instruction equips educators with the strategies and tools to create relevant, meaningful, authentic learning experiences across the curriculum.

This professional development workshop will engage teachers in grades K-8 and provide them with a wealth of resources and strategies to inspire integrated learning through:

- **The integration of ELA and Math Common Core, NextGeneration Science Standards and STEM learning experiences.**
- **The use of demonstrations, discrepant events, and literature hooks**
- **Hands-on instructional strategies and cross-curricular learning experiences across the curriculum.**
- **Strategies to promote higher-order thinking skills and real-world problem solving.**

This professional development workshop qualifies for Title I / Title II funding.

If we are to ensure that students are college and career ready by graduation, it is essential to engage students in scientific inquiry, technology application, engineering design, mathematical literacy, and real-world problem solving within the context of Common Core and Next Generation Science Standards.



Participants in this professional development workshop will explore through modeling, demonstrations, and hands-on activities how content literacy and inquiry-based investigations can be integrated to engage students in real-world problem solving and higher order thinking skills. Participants will leave the session with a wealth of strategies, resources, and a collection of ready-to-use lessons to inspire more meaningful learning in the classroom.

Half-Day Workshop

Teachers in grades K-8 will explore a variety of cross-curricular instructional strategies that incorporate Common Core Standards (ELA and Mathematics) and Next Generation Science Standards into STEM-based learning experiences. Through modeling, hands-on activities, collaborative problem-solving, and inquiry-based investigations, participants will leave with ready-to-use lessons and the foundation for improving their own classroom instruction. Presentation handouts, instructional lessons, materials for hands-on activities, and student reproducibles are included.

Full-Day Workshop

Teachers in grades K-8 will spend a full day engaged in cross-curricular instructional strategies that incorporate Common Core ELA and Mathematics Standards and Next Generation Science Standards into STEM-based learning experiences. In addition to modeling, hands-on activities, collaborative problem-solving, grade-level breakouts, and inquiry-based investigations, participants will collaborate with colleagues to create their own instructional units and a plan for ongoing professional growth and continuous improvement. Presentation handouts, instructional lessons, materials for

Contact us to schedule a workshop in your school!

