

Secondary Science System-Wide Professional Development Tuesday, January 8, 2013

- I. Scientific and Engineering Habits of Practice -- School Teams (8:30-9:55)**
 - **No Sign-ups**

- II. Common Core's Standards for Literacy in Science – Grade Level/Course Teams (10:05-11:30)**
 - **Sign-up on Registration From**

Session Abbreviation	Grade Level/Course
6	6th Grade Science
7	7th Grade Science
8	8th Grade Science
PHY	PWC/Physics
CHEM	Chemistry
BIO	Biology
OS	Other Sciences

III. Elective Sessions – Provide a 1st, 2nd, and 3rd choice for each teacher. If only one choice is selected and that session is full, the teacher will be placed in another session based on availability. (1:00-2:35)

- **Sign-up on Registration Form**

Session Letter	Presenter(s)	Title	Description
A	Melissa Maples	Strategies for Reading in Science	The session will focus on strategies for tough text/close text reading centered round science-based text sets based on the Common Core State Standards in Literacy in Science. I also plan to use non-print and media to link content and show ways to engage students.
B	Danny Wages & Shannon Seigle	Planning and Carrying out Investigations in Middle School Classrooms	Are you always trying to engage and reach every student? During this session various hands-on and visual strategies will be modeled to cover numerous science SPI's in 6th, 7th, and 8th grades. Teachers will be given the opportunity to participate in many hands-on activities, as well as share their ideas with their peers (note: this is a repeat of their August Session)
C	Keri Randolph	Reading and Writing are STEM, Too!	Common Core isn't just about language arts and math. Come learn about the important role STEM plays in the Common Core ELA Standards. The session will focus on the science literacy standards in the Common Core and include concrete ways to incorporate them into great STEM instruction.
D	Brian Purvis	Science Note Booking (Connecting Inquiry/Literacy and CCSS)	Using science note booking techniques to connect inquiry based student experiences with common core literacy goals!
E	Kim Brown	Teach Like a Champion- Strategies that work!	This workshop will be based on the popular book, "Teach Like a Champion" by educational specialist Doug Lemov. In the book, Lemov outlines teaching methods that are common among master teachers in a variety of school settings. Many of the recommendations are simple, common sense strategies that will make an immediate impact on student performance and engagement. Workshop participants will have an opportunity to explore these methods through video clips, discussion, and collaboration and will leave with many strategies that can be implemented in the classroom on the first day of school. While this book is highly recommended for all educators, it is not required reading for teachers choosing to attend this session.
F	Kendra Young	NSTA Learning Center	Join NSTA's FREE, state-of-the-art Learning Center to access thousands of standards-based learning resources, experiences, simulations, and classroom-tested lesson ideas. During this workshop you'll create your own FREE Learning Center account and add items in your new electronic Library. NSTA has created a special electronic space just for HCDE teachers, so you don't want to miss out! Participants in this workshop will receive a free Sci-Pack of their choice, a \$39.99 value. This session is limited to one teacher from each campus.

G	Anthony Goad	5 Scientifically Proven Teaching Routines	This session will engage participants in 5 research-based teaching routines focused on increasing student engagement and learning. They include focusing questions, science notebooks, structured science talk, embedded formative assessment, and creating public records.
H	Jennifer Casey and Melanie Clarkson	Literacy in the CCSS	Learn some techniques to dissecting informational text in regard to the PARCC and CRA tests. Go home with strategies and websites to utilize in the science classroom in order for students to read and understand text on their own terms and be able to explain their answer successfully on a standardized test.
I	Richard Dube'and Laura Houston	Cognitive Dissonance and Intrigue	<i>Engaging the student in learning</i> - In this session learn techniques and strategies for getting the ambivalent and apathetic student actually interested in learning. We will look at the use of discrepant events, intriguing questions, story-telling and humor.
J	John Cooper	Using Technology to Reach Students	This session revolves around the use of technology to help reach your students in a more effective way (most of these are free). We will cover topics including: Edmodo.com (networking, quizzing, assignments and more all online), Virtual labs, Google forms and rubrics (it is time to start ditching the paper, and it's free), Testing in computer labs (and you already have the software), Cloud storage (storing your files online and on your computer), iPads for <u>teachers and students</u> , Smart phone use in the classroom (hey they are more powerful than most of the computers so why not use them), Introduction into flipping the classroom. Flipping the classroom, is where students watch your lectures at home and complete the homework at school where they need your help the most. Bring your ideas and question about TECHNOLOGY IN THE CLASSROOM.
K	Chuck Puglisi and Cindy Adamz	Increasing Your Students' ACT Science Scores	Participants will learn how one school is making an impact on their ACT scores. The session will focus on instructional strategies specifically designed to increase scores on the ACT Science subtest.