KCS | KNOX COUNTY SCHOOLS

Science Department Program of Study

April 22, 2019

Knox County Schools District Learning Day

General Session 8:30-8:50 (Auditorium)

Session 1   9:00-10:10

Title	Intended Audienc	Location
Using Personalized Learning and Summative Tasks to Teach Standards and Practices *Presenter: Emily Butterfield* In this session, you will use tools to organize and track personalized learning and the process and purpose for using summative tasks to create summative tasks that assess as well as extend the learning**.**	6th- 12th	100
Science Café *Multiple Presenters*: Menu will be given out at session This session will be full of ideas and keep you moving as you rotate from table to table learning about strategies and ideas that you can use in your classroom. Some of the menu items are data strategies, CER, robotics, technology strategies, McClung Museum, and more!	6th- 12th	Library
Middle School Assessments with the New Standards *Presenter: Nicole Resmondo* As we begin to learn about assessing in three-dimensional way we want to share resources and what we are learning from the state assessment items. This will give you an idea on how to start developing items that can assess more than one dimension of learning.	Middle School	102
Using EdPuzzle to Make Interactive Video Lessons *Presenter: Rachel Evans* In this session, we will work with the free online tool EdPuzzle to learn how to create and use interactive video lessons in the classroom. We will look at some sample lessons as a group and then teachers will be given the opportunity to create their own interactive videos to take back and use in their classrooms. **Participants in this session will need a device.**	6th- 12th	120
Engaging Reviews Using Digital Breakout Rooms *Presenters: Bethany Saunders and Julianne Brandt* Learn how to create a digital breakout room that provides a creative way to review content that your students will love. Please bring your device.	6th-12th	109

Incorporating the Practices with Data Nuggets *Presenter: Brian Jones and 8th grade West Valley Team* Explore the Data Nuggets website and collaboratively brainstorm how to use it as a means of incorporating the practices into content-rich lessons.	Middle School	104
Grouping using Kagan Strategies *Presenters: Beth Mooney and Robin Jarman* This session will focus on ways to make your science classroom more interactive by grouping students. You will leave with strategies you can implement the next day.	6th-12th	106
Collaboration and CER in High School Lab Reports *Presenter: Glenn Arnold* Over the past few years, in an effort to make lab reports truly show student learning, to make sure they are actually drawing connections and truly understanding the material rather than going through the motions, our class has made some drastic changes to lab reports. It hasn't all been smooth sailing, but we've learned a lot of good lessons and with the implementation of 3D standards.	High School	121
Physics Labs *Presenter: Dr. Cheney, University of TN, Dept of Physics and Astronomy* This session will cover some essential physics lab ideas and allow time for discussion and Q&A with Dr. Cheney.	Physics Teachers	122
Free Digital Resources for Earth Science, Natural Disasters and Human Impact on the Environment *Presenter: Michael Camponovo, University of Tennessee, TN Geographic Alliance* Learn about a wealth of resources to teach earth science and natural disasters using databases and GIS. Lessons designed for inquiry and computer based simulations. You will not be disappointed at what you will learn and the new digital resources you will take back to your classroom. Bring digital device.	8th grade, Environmental Science, APES. Geology	124

Middle School Physical Science *Presenters: Melody Hawkins and JT Hicks* This session will be a time to go over some of the changes in the Physical Science curriculum, pacing, ideas, and reasoning for upcoming course. Teachers will get a sneak peek at the new middle school PS modules.	Middle School Physical Science Teachers	125

Session 2   10:20-11:30

Spring Cleaning Our Assessments: Out with the Old in with the New *Presenter: Trudy Rogers* Take a look at past assessment items through the lens of 3D instruction. Teachers will leave with items that can be used in the classroom. Past item samplers will be available for use but teachers are encouraged to bring their own test items for modification. Please bring device.	6th-12th	109
Creating Digital Models Using Google Slides *Presenter: Rachel Evans* In this session, we will focus on how to train students to create stop motion videos using Google Slides. Teachers will work with some examples and then work with others to create samples for use in their own classrooms. We will also walkthrough step by step instructions that you can use with your students in class as they build their own models. Participants in this session will need a laptop.	6th-12th	120
Using Personalized Learning and Summative Tasks to Teach Standards and Practices *Presenter: Emily Butterfield* In this session, you will use tools to organize and track personalized learning and the process and purpose for using summative tasks to create summative tasks that assess as well as extend the learning.	Middle School	100
Put the T in STEM-Technology resources for STEM integration *Presenter: April Lamb* Technology tools are available through KCS STEM to use in your classroom. Learn about the technology available and find ways to use them in your subject area.	6th-12th	103
Collaboration and CER in High School Lab Reports *Presenter: Glenn Arnold* Over the past few years, in an effort to make lab reports truly show student learning, to make sure they are actually drawing connections and truly understanding the material rather than going through the motions, our class has made some drastic changes to lab reports. It hasn't all been smooth sailing, but	9th-12th	121

we've learned a lot of good lessons and with the implementation of 3D standards.		
QuarkNet: CRMD in the classroom *Presenter: Erica Johnson* Integrating particle physics into the curriculum	Physics Teachers	122
Grouping using Kagan Strategies *Presenters: Beth Mooney and Robin Jarman* This session will focus on ways to make your science classroom more interactive by grouping students. You will leave with strategies you can implement the next day.	6th-12th	106
Middle School Standards Table Talk *Multiple Presenters* This is a table talk rotation. Each grade level will have tables with standard featured at each table. Teachers will rotate through and discuss each standard sharing ideas and mastery criteria.	6th-8th	Library
AP Central *Presenter: Alisha Gilbert* This session is a time for AP teachers to learn how to get the most of AP Central and what supporting resources can help with AP classes. Network time will be given for like courses. Bring Digital Device.	AP Teachers	125
Break Out of the Routine and Try an Escape Room Lesson *Presenter: Cathy Ginel* Learn an engaging way to deliver instruction through an escape room. You will learn the basics of the escape room format, follow an example lesson, and draft one of your own. Bring your laptop and ideas for a standard you'd like to enhance instruction through an escape room.	6th-12th	102
Whiteboarding the Science and Engineering Practices *Presenter: Tami Russell* Participate in activities you can take back and use with your students as you incorporate science practices in your lessons. One set of whiteboards will be given away at the end of the session. Please bring a digital device.	6th-12th	103
Stop Motion Studio- Utilizing EdTech in the Science Classroom *Presenters: Shawn Walker and Austin Clow* This session will inform those interested in how to utilize stop motion videos in their science curriculums. Participants will need to bring a phone or IPad to this session to make the most of their experience.	6th-12th	104

Lunch 11:30-1:00   Please return to your base school by 1:00.