

Hamilton County
Secondary Science System-Wide Professional Development
Middle School Session Descriptions
Friday, January 6, 2012; Tyner Academy High School

Session	Description	AM/PM	Audience
A	GETTING THEM TO THINK!!! - Applying Brain-Based Research in the Classroom Environment – We will be examining what has been learned about how the brain functions and how this knowledge can be applied in the classroom to better engage students and aid them in their retention, application and understanding of knowledge. Presenter: Richard Dube’	AM/PM	MS
B	Data Tracking and Formative Assessment: Movin’ on Up! What costs 35% of your evaluation?? Student test scores do!-Move those students from Basic to Advanced. Learn how to track data collection for student success. Join us to learn a hands-on approach to study skills, review games, and test preparation practices as formative assessments that monitor student learning. Presenters: Jennifer Casey and Jennifer Greever	AM /PM	MS
C	Interpreting the Atmosphere and Predicting Weather: These lessons will help teach your students about the atmosphere and predict tomorrow’s weather. Included are set lessons and websites that allow you to teach about highs and lows, climate controlling events, and weather prediction and more. Presenter: David Wehunt	AM/PM	MS
D	Nonfiction Reading and Writing Strategies in the Science Classroom: Want to boost the level of rigor in your classroom? Want encourage higher levels of thinking in all of your students? Come learn how incorporating nonfiction reading and writing pieces and strategies can help you achieve these goals. We will investigate quick and easy ideas that can be used in all stages of instruction, from introducing new concepts to formative and summative assessments. Presenter: Laura Houston	AM/PM	MS
E	Show me the SPI’s: Too many times we try to teach a topic and only use our books and notes. The most effective learning comes from seeing and doing. This session will demonstrate several ideas that can be used in the classroom to illustrate our 6 th , 7 th and 8 th grade Science SPI’s. Teachers will also be given the opportunity to share ideas with other that they have used in the classroom. Presenter: Danny Wages	PM	MS

F	Informal Dialogue to Facilitate Learning: In these sessions, participants will discuss increasing student engagement and the advantages of student facilitated seminars within the science classroom, as well as the benefits of open dialogue vs. discussion/debate. General guidelines will be discussed on how to facilitate and manage a seminar. Participants will have the opportunity to view grade appropriate seminars, along with a list of resources and ideas. Presenters: Stacey Carpenter and Galen Bell	AM- Beginners, PM- Advanced	MS and HS
G	PBS21st Century Classrooms – Learning in the Digital Age Presented by Debbie Thompson, Director of Education & Community Engagement, WTCI-PBS In this workshop, educators will: · Understand the role digital media and technology play in the process of teaching and learning · Clarify and reflect on attitudes about the role of digital media in education · Learn about specific instructional practices for integrating digital media and technology in the K-12 classroom · Successfully implement digital media in a lesson plan	PM	MS
H	Teaching Science With The 5 E's: The 5e model is a process of teaching science that is natural and exciting for students but can be frustrating for teachers due to the lack of resources available. This workshop will provide information, experience, and tips for using the five E's to bring up test scores and deliver dynamic lessons that your students will love. Presenter: Kim Brown	AM	MS