

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

Session	Description	AM/PM	Audience
I	<p>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</p>	AM- Beginners, PM- Advanced	HS
J	<p>PBS21st Century Classrooms – Learning in the Digital Age In this workshop, educators will:</p> <ul style="list-style-type: none"> · 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 <p>Presenter: Debbie Thompson, Director of Education & Community Engagement, WTCI-PBS</p>	AM	HS
K	<p>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</p>	AM/PM	MS and HS
L	<p>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</p>	PM	HS

M	<p>Tech Tips for Teachers : Join us to learn and investigate innovative ideas in teaching tips, technology and research. The session will focus on practices that are designed to meet both teacher and student needs. I will share some of my favorite internet resources. There will be time for teachers to look at some of the resources and curriculum and for question/answer/discussion. Some examples include: Glogster, GPB Chemistry/Physics, ChemTeam, TeacherWeb, CHemmybear, + many more. Presenter: Robbi Moorhouse</p>	AM/PM	HS
N	<p>Formative Assessment - Turning Your Students Into Owners of Their Knowledge: <i>AM Content Part 1:</i> This session seeks to answer the following questions concerning formative assessment: what is it? why bother? when should it be done? how can it be made more effective? This session is NOT about one more thing to do in the instructional day. In fact, it is geared toward students playing a much more active role in the acquisition of their knowledge with scaffolding from us as teachers. The goal of this session is to ensure that student achievement is raised as students become active learners in the classroom. <i>PM Content Part 2:</i> This session is geared toward those who already know the what, why, and when of formative assessment. This session seeks a deeper focus on the how it can be made more effective by providing practice with a vast array of formative assessment "tools." The goal of this session is to ensure that student achievement is raised as students become active learners in the classroom. Presenter: Frenzica Mann</p>	AM-1, PM-2	HS
O	<p>Biology 1 AYP Is Coming To Town: Biology I teachers will actively engage in the construction of detailed lesson plans on the Tennessee Standard of Heredity. This will be an opportunity to plan, network, and learn with your colleagues from across the district as you develop practical resources that can be used in your classroom. Please bring the resources that you would use to plan (lesson plans/templates, content maps, laboratory requirements and text resources). Priority will be given to provide equal representation from each school. Presenter: Dr. Richie Wood</p>	AM	HS
P	<p>PWC Curriculum CD session 2 is a session reviewing the Physical World Concepts (PWC) curriculum CD. This session is designed for teachers to return and share their ideas, and labs that they used in their classroom this past semester. We will gather these labs and ideas and add them to the CD. This session is also for teachers who want to learn about the PWC curriculum from last year. Returning teachers, please bring digital files of labs and modifications you made to the resource CD that you would you like to share with other teachers. This will be more of a common planning session where we talk about labs and lessons and share resources. We will also distribute and go over the EPSN sports figures videos. Presenters: Jason Wohlers and John Cooper</p>	PM	HS