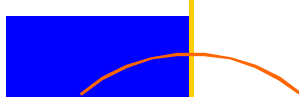


September 15-17, 2008
Ramada Plaza Hotel, Columbus, Ohio

Head Start Education Services Institute



“Mathematics, Science and Curriculum Integration in the Early Childhood Classroom”



CONFERENCE OBJECTIVES

State and Regional experts will conduct sessions to enhance participants' awareness of mathematic and scientific principles, the role of technology in the early childhood classroom, and strategies to effectively integrate curriculum to maximize learning and development in young children. As a result of this conference, participants will have the knowledge, tools and techniques to develop and implement a plan to improve teaching in their program.

INSTRUCTIONAL METHODS AND EVALUATION

Trainers will utilize a variety of instructional methods including large and small group activities, lecture, use of audio-visual materials and interactive tools. Learning outcomes will be assessed by utilizing the conference information to develop a plan of action to implement the knowledge, tools and techniques gained in implementing high quality early childhood services.

INTENDED AUDIENCE

This training is designed for individuals involved in providing or supervising the provision of Early Childhood Education services. It is best experienced by a team that attends together from a local program. Participants from all areas of Early Care and Education will benefit from this conference.

Conference sessions are being submitted for ODE Professional Development and Step Up to Quality Specialized Training approval.

Registration form and Hotel Information enclosed

FOR MORE INFORMATION

If you have additional questions, please contact the OHSAI office at 937-435-1113 or at stone@ohsai.org.

Conference Agenda

Monday, September 15

10:00-12:00

Registration

12:00-1:45

Luncheon and Keynote Address

Ohio's Approach to Early Childhood Education

Presented by Laurie Katz, The Ohio State University

Participants will review Ohio's approach to preschool education, utilizing the early learning content standards as a framework, and within the context of Ohio's larger education system. The role of early childhood education in preparing children to be successful lifelong learners will be addressed.

2:00 - 4:30

Breakout Sessions

Inquiry Science:

Incorporating Science into the Early Childhood Classroom

Terry Shiverdecker, Ohio Resource Center

Young children are powerful thinkers and theory makers and their need to explore must be supported in the early childhood classroom. Participants will discuss the role of science in early childhood and will explore and experience the inquiry based approach to science education. Educators will also learn about resources available to them through the Ohio Resource Center.

Geometry & Spatial Sense for Pre-Kindergarten

Teachers and Learners

Lucia Flevares, The Ohio State University, School of Teaching and Learning

In this session we will explore how young learners develop understanding of geometric ideas and spatial sense and how this understanding can be facilitated with experiences and materials. We will consider both guided and discovery/ exploratory activities and materials and how they facilitate young children's understandings of space and shape.

Tuesday, September 16

9:00 – 12:00 **Breakout Sessions**

Discovery Science: Don't Let the Science Area Intimidate You!

Jenni Jacobs, University of Cincinnati

The "Science Area" of the early childhood classroom allows children to explore and experience the natural world, solve problems, and develop observation skills. Educators will learn how to set up a science display that will excite the children in your classroom, and will learn how to identify the stages of scientific thinking in order to plan appropriate interactions with the children in your class.

Fostering Mathematical Thinking with Young Children

Dr. Diana Dumetz Carry

In this fast-paced, hands-on standards workshop, participants will be engaged with research-based, practical strategies and explorations to help children move among the languages of two sets of math standards: 1) numbers and operations; algebra; geometry, measurement, data analysis and probability and 2) processes of problem solving, reasoning and proof, connections, communication, and representation.

An Integrated Approach to Technology in the Preschool Classroom

Lisa R. Baker, Office of Early Learning and School Readiness, Ohio Dept. of Education

When implemented effectively, technology allows children to develop their curiosity, problem solving, and independent thinking skills. In this session, participants will discuss current research on technology as it relates to the early childhood classroom, identify appropriate uses of computer software and will develop a plan to integrate technology with current curriculum.

This session will be repeated Tuesday afternoon.

12:00 – 1:00 **Networking Luncheon (lunch provided)**

1:00 – 4:15 **Breakout Sessions**

Making Math Count

Jenni Jacobs, University of Cincinnati

Strong early math skills are essential for academic success. Participants will learn how to assess children's current level of mathematical knowledge and develop activities that are not only fun and exciting for children, but also teach number sense and align to the Ohio Early Learning Content Standards.

Tuesday, September 16, 1:00 – 4:15 continued

Science by the Book: Using Children’s Literature to Teach Science

Kathy Cabe Trundle and Mesut Sackes, The Ohio State University

Early Learning Content Standards suggest using an inquiry-based approach to teach science concepts. Learning by inquiry involves, among other skills, observation in nature over time. However, there are several challenges in teaching science concepts through actual observation. For example, some phenomena are only observable at night and weather conditions can make the observations difficult and frustrating, especially for young children. In this session teachers will learn how to effectively use children’s books in their classrooms. Sample lessons will be provided.

An Integrated Approach to Using Technology in the Preschool Classroom

Lisa R. Baker, Office of Early Learning and School Readiness, Ohio Dept. of Education

When implemented effectively, technology allows children to develop their curiosity, problem solving, and independent thinking skills. In this session, participants will discuss current research on technology as it relates to the early childhood classroom, identify appropriate uses of computer software and will develop a plan to integrate technology with current curriculum.

This is a repeat of the Tuesday morning session.

Wednesday, September 17

8:45-10:00

Breakfast and Keynote Address

Honoring the Individuality of Young Children

Becky Love, Franklin County MRDD and member of Ohio School Readiness Solutions Group

Participants will explore the importance of individualization for ALL children, and reflect on strategies to apply best practice in a way that considers and supports children’s development, abilities and ways of learning.

10:15-12:15 **General Session**

Utilizing the Project Approach to Integrate Math and Science in the Early Childhood Curriculum

Nancy Brannon, Ohio Resource Network

Participants will explore the use of inquiry based projects that follow children’s interests as one approach to the early childhood curriculum. We will discuss the benefits and features of the Project Approach will be discussed and resources on the Ohio Resource Center website that will be helpful to those who want to use the Project Approach will be identified.

HOTEL INFORMATION

Hotel Reservations should be made directly to

Ramada Plaza Hotel & Conference Center
4900 Sinclair Road
Columbus, OH 43229

614/846-0300

Rates: \$73.00 Single/Double

Deadline for registration at these rates is

Monday, August 25, 2008

**Please call in ASAP with your
reservations**