Building and Sustaining Head Start Partnerships

May 9, 2017
Collaborative for Early Science Learning

➤ 6 museums across the country
➤ Delivering
   ➤ Webinar series
   ➤ Online tool kit
   ➤ Conference session workshops

This project was made possible by the Institute of Museum and Library Services
Series Overview

Series of three webinars to provide tools for museum professionals to start, expand, or improve early childhood teacher professional development

▶ May 9, 2017- Building and Sustaining Head Start Partnerships

▶ May 16, 2017 – Providing Science Professional Development for Early Childhood Teachers

▶ May 23, 2017 – Engaging Head Start Families in their Children’s Learning
Presenters

Victoria Fiordalis (Sciencenter, Ithaca, NY)
Miriam Krause (Maryland Science Center, Baltimore, MD)
Melissa Thomas (St Louis Science Center, St Louis, MO)
Zoe Peters (Bay Area Discovery Museum, Sausalito, CA)
Webinar Objectives

You will leave with

▶ An understanding of Head Start and the role museums can play in supporting their mission

▶ Ideas to help create a new partnership or support to continue an existing partnership

▶ Examples of museum and Head Start Partnerships

▶ Resources you can use
Time for a Poll!

Collaborative for Early Science Learning
Head Start Background

- Established in 1965 - Federally funded, but locally administered program
- Promotes school readiness by offering educational, nutritional, health, social, and other services for children birth-5 and their families
- Supports children believed to be at risk because of poverty, disability, or other family circumstances
- Assesses teacher and child performances and outcomes to ensure successful programs
Head Start Structure

- Programs operate in a variety of settings (home based, classroom, etc.)
- What types of positions are there?
  - Director
  - Education Coordinator/Manager or Center Manager
  - Classroom Teachers
  - Assistant Teachers
  - Family Partners/Family Advocate
  - Curriculum Coordinators
Key Components of Head Start

▶ Community Partnerships
▶ Invested in Family Engagement
▶ Professional Development Plans
▶ Teacher coaching and mentoring
▶ Head Start Program Performance Standards
Head Start Early Learning Outcomes Framework


<table>
<thead>
<tr>
<th>Infant/Toddler Domains</th>
<th>Approaches to Learning</th>
<th>Social and Emotional Development</th>
<th>Language and Communication</th>
<th>Cognition</th>
<th>Perceptual, Motor, and Physical Development</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preschooler Domains</td>
<td>Approaches to Learning</td>
<td>Social and Emotional Development</td>
<td>Language and Communication</td>
<td>Mathematics Development</td>
<td>Scientific Reasoning</td>
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</tbody>
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## Connecting Science to Assessments

<table>
<thead>
<tr>
<th>Science Process Skill</th>
<th>COR (Child Observation Record) Assessment Items</th>
<th>Teaching Strategies Gold Assessment Items</th>
<th>CLASS Indicators</th>
</tr>
</thead>
<tbody>
<tr>
<td>Observing</td>
<td>Observing and Classifying, Natural and physical world, Patterns</td>
<td>Shows curiosity and motivation, Uses scientific inquiry skills, Attends and engages, Recognizes and recalls</td>
<td>Connects Concepts, Integrates with previous knowledge, Real world applications, Related to students real lives, Active participation, Focused attention, Follows students lead</td>
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<tr>
<td>Predicting</td>
<td>Experimenting, predicting and drawing conclusions</td>
<td>Uses scientific inquiry skills, Shows curiosity and motivation, Shows flexibility and inventiveness in thinking</td>
<td>Prediction/Experimentation, Brainstorming</td>
</tr>
<tr>
<td>Measuring</td>
<td>Measurement, Tools and technology</td>
<td>Uses scientific inquiry skills, Compares and measures, Uses tools and other technology to perform tasks</td>
<td>Active Participation, Focused attention</td>
</tr>
<tr>
<td>Experimenting</td>
<td>Experimenting, predicting, and drawing conclusions, Data Analysis</td>
<td>Uses scientific inquiry skills, Shows flexibility and inventiveness in thinking</td>
<td>Evaluation, Prediction/experimentation</td>
</tr>
<tr>
<td>Problem Solving</td>
<td>Problem solving with materials, Conflict Resolution</td>
<td>Uses scientific inquiry skills, Attends and engages, Solves problems, Persists</td>
<td>Problem Solving, How and Why Questions, Integrates with Previous Knowledge, Hints, Assistance, Focused attention</td>
</tr>
<tr>
<td>Using Tools</td>
<td>Measurement, Problem Solving with Materials, Tools and technology</td>
<td>Uses scientific inquiry skills, Uses tools and other technology to perform tasks</td>
<td>Range of auditory, visual, and movement activities, Hands on opportunities, Focused attention</td>
</tr>
<tr>
<td>Communication</td>
<td>Speaking, Listening and Comprehension, Reflection</td>
<td>Uses an expanding expressive vocabulary, Speaks clearly, Follows directions, Tells about another time or place</td>
<td>Peer Conversations, Contingent responding, Back and forth exchanges, Encourages student talk, Elicits ideas and/or perspectives, Specific Feedback, Variety of words</td>
</tr>
</tbody>
</table>
Why Museums?

- Community Resource and Stakeholder
- Skilled at engaging adults and children
- What can your institution offer?
  - Professional Development Plans
  - Family Engagement
  - Museum Access Programs
Time for a Poll!
Case Studies

CESL
Collaborative for Early Science Learning
Getting Started: St Louis Science Center

- Why did you want to get started?
  - Contacted by local Head Start initially
  - Growing our early childhood initiative
- What services do you provide?
  - Classroom visits/Field Trips
  - Teacher PD workshops
  - Parent workshops
  - Family experiences
- Funding?
  - Grant funded
  - Fee based
Getting Started: St Louis Science Center

- Who is involved from Head Start?
  - Curriculum Coordinator
  - Site Supervisors
  - HS Director

- Who is involved from your museum organization?
  - Education
  - Development
  - Marketing
Getting Started: Sciencenter

Why did you want to get started?
- Contacted by local Head Start initially
- Growing our early childhood initiative

What services do you provide?
- Teacher Professional Development
- Family Engagement Workshops

How did you figure out funding?
- Absorbed initial cost
- Funding through IMLS and donors
Getting Started: Sciencenter

- Who is involved from Head Start?
  - Advisory board to kick off grant
  - Executive Director
  - Education Manager

- Who is involved from your museum organization?
  - Executive Director
  - Director of Program
  - Education Department
  - Grant Manager
  - NISE Net Collaboration Guide
Maintaining and Sustaining Partnerships: Maryland Science Center

- Goals of the Partnership
- Communication with your partners
  - Figure out what works for them
- Evaluation
  - Useful for grants - data speaks
- Funding
  - Without our long term commitment to our Head Start Partners, we would have never received an endowment for the program
- Institutional Support
  - Kept the program going for years
Maintaining and Sustaining Partnerships: Bay Area Discovery Museum

- Goals of the Partnership
  - Education and Access
- Communication with your partners
  - Trust building
- Evaluation
  - Reporting and Improvements
- Funding
  - Ever changing puzzle
- Institutional Support
  - Long-term and evolving commitment
Challenges and Solutions

- Who do you initially make contact with?
- Staff turnover
- First year blahs.
- Scheduling

Families, teachers and other professionals are invited to use and share our hands-on activities guides and professional materials. The Sciencenter will continuously add relevant information to this page.

KIDS & FAMILIES

Chemistry Activities

EDUCATORS

Field Trips Supplemental Activities

Chemistry Activity Lesson Plans

COLLABORATIVE FOR EARLY SCIENCE LEARNING

Resources to support museums partnering with local Head Start programs to provide teacher professional development and family engagement focusing on early childhood science.

Launch a Collaboration

Working with Head Start Teachers

Working with Head Start Families
Launch a Collaboration

Resources to launch a partnership with your local Head Start.

**FUNDING**

- Sample Contract

**JUSTIFICATION**

- Why do science?
- Why engage with young children?
- Why partner with Head Start?
- Why partner with museums?

**ADDITIONAL RESOURCES**

- Connecting science process skills to Head Start standards
Questions
Join Us Next Time

- May 16, 2017 – Providing Science Professional Development for Early Childhood Teachers
- May 23, 2017 – Engaging Head Start Families in their Children’s Learning
Thank you for joining us!

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