WHY AND HOW CAN WE PROMOTE SCIENCE IN EARLY CHILDHOOD

Dr. Andrew Shouse and Dr. Ximena Dominguez presented an overview on young children's ability to engage in inquiry, shared insights on how early childhood teachers can foster children's engagement in science practices and highlighted the benefits of early science teaching and learning. This list of resources can help provide background information for anyone who might want to learn more about early childhood science.

EDUCATIONAL TELEVISION PROGRAMMING

Sid the Science Kid on PBS ↗
Sid the Science Kid helps prepare children for school by exposing them to science in a comfortable and enjoyable way. Children will discover basic, yet important, concepts such as change and growth. This type of early exposure to science can inspire a lifetime of learning and exploration.

Web Resources

MESS: Introduction ↗
This introduction explains the value of focusing on science in early childhood and how science can foster competencies across all domains of development as well as teacher resources teachersin the guides, and how to use them effectively in an early learning classroom.

Science Webcast Series #1: Let's Do Science! ↗

Science Webcast Series #2: Look What I Know. See What I Can Do! ↗

Science Webcast Series #3: Language & Literacy Through Science ↗

Science Webcast Series #4: Bring it All Together in Effective Environments ↗

A Head Start on Science ↗
Head Start moves to help children retain a "sense of wonder" through "A Head Start on Science" program, which links colleges and universities with Head Start programs to facilitate a lifelong interest in science. Written for Head Start teachers, assistants, home visitors, children and their families, the article provides an overview of the program that works to expand children's perceptions of the world by learning ways to observe day-to-day phenomena.

Ramps and Pathways: Developmentally Appropriate, Intellectually Rigorous, and Fun Physcial Science ↗
The authors have spent many years providing professional development in the area of science education, working alongside teachers and observing children in the classroom. These experiences have convinced them that activities involving inclined planes are possibly the best science activities they have ever encountered. They call their collection of classroom activities involving inclined planes Ramps and Pathways.

Resources for Teaching and Learning about the Natural World ↗
List of resources

Resources for Science in the Early Years ↗
List of resources

↗ Online resource: click to open in a browser.

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