

TEXAS CENTER FOR INQUIRY APPLICATION

Fort Worth Museum of Science and History

The Texas Center for Inquiry offers three different institutes to meet the specific needs of professional developers, science supervisors, teacher leaders and teachers.

Travel, Lodging, Meals and Registration Fee

Participants', districts or projects are responsible for 100% of all travel costs, lodging, meals and registration fee.

- Introduction to Inquiry**
By Request. To schedule,
contact Outreach@fwmsih.org
- Teaching Science Through Inquiry**
June 10-13, 2019 – \$300.00
- Professional Development Design**
June 14, 2019 – \$50.00

Please complete the registration form online:
<https://form.jotform.com/83374289198978>

Generous support for the Texas Center for Inquiry has been provided by:

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FORT WORTH MUSEUM
SCIENCE AND HISTORY

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TEXAS CENTER FOR INQUIRY

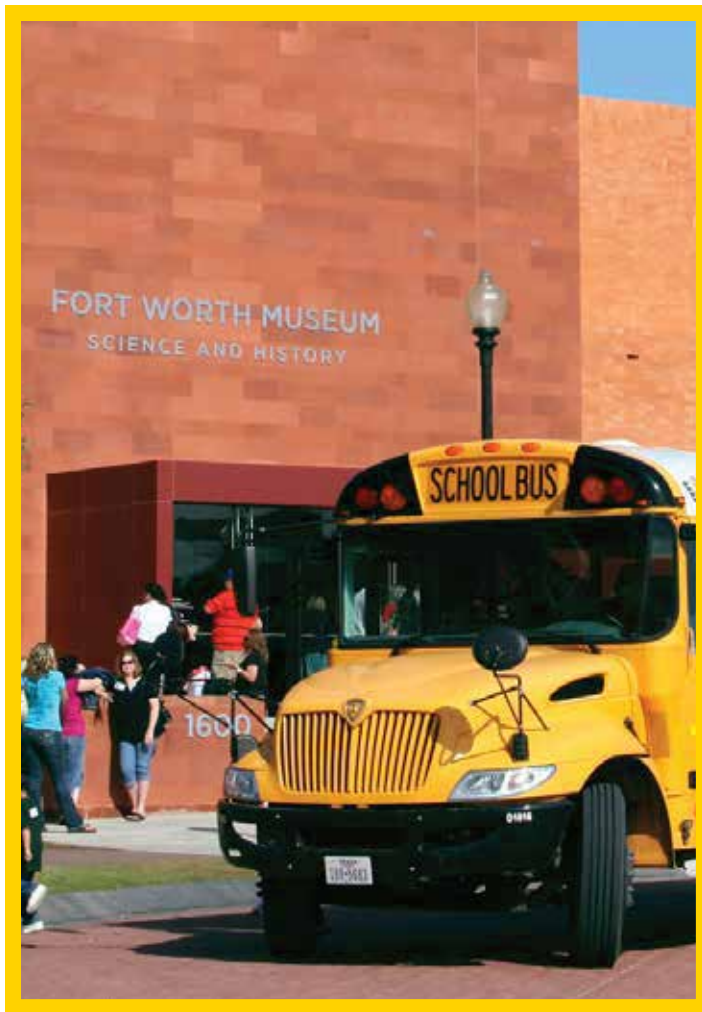
Introduction to Inquiry: Professional Development Design
By Request

Teaching Science through Inquiry:
June 10-13, 2019

Professional Development Design:
June 14, 2019



FORT WORTH MUSEUM
SCIENCE AND HISTORY



The Texas Center for Inquiry provides science educators in-depth experiences in science inquiry through institutes, workshops, forums and follow-up coaching. The Center was formed through collaborations between the Fort Worth Museum of Science and History, The Charles A. Dana Center at the University of Texas, and the Exploratorium in San Francisco in 2001. The Center's mission is to help professional developers and teacher leaders incorporate science inquiry into their science curricula in ways consistent with the visions outlined in the National Science Education Standards and the Texas Essential Knowledge and Skills. The Center seeks to create a network of people and institutions by providing leadership in inquiry through inquiry. Center programs are designed to enable individuals, schools and districts to increase their capacity for providing quality science instruction within the context of district-wide reform efforts. The Fort Worth Museum of Science and History, Exxon Mobil Foundation, private corporations, and charitable foundations support the Texas Center for Center.

The Texas Center for Inquiry offers three different institutes to professional developers, Science supervisors, teacher leaders and teachers to meet their specific needs. Each institute focuses on pedagogy, strategies and implementation.

■ Teaching Science through Inquiry: \$300.00

This four-day workshop immerses classroom educators in the processes, pedagogies and implementation strategies that will enhance professional practice and build educators' understanding of how inquiry-based instruction benefits student learning. While inquiry-based teaching is central to the Texas Essential Knowledge and Skills, many classroom educators hesitate to teach science through inquiry because they did not learn this approach as students or during their college preparation to become an educator.

The workshop activities, designed for elementary educators, include:

- An exploration of the range of classroom science instructional strategies and process skills
- Questioning strategies that support inquiry-based instruction
- A personal inquiry investigation
- Characteristics of inquiry investigations

Participants will leave the workshop with specific tools and strategies to implement three different classroom investigations in life, earth and physical science.

■ Professional Development Design - \$50.00

Participants must be enrolled in Teaching Science through Inquiry to be eligible for this additional day.

Who: For District Level Professional Developers, Science Specialists, teacher leaders, curriculum coordinators and administrators attending Teaching Science through Inquiry. This day is set aside to provide examination of and reflection into the anatomy, structure and facilitation of the inquiry experience. Facilitation materials for the pedagogy and practice pieces of the Inquiry Institute will be provided.

■ Introduction to Inquiry: Professional Development Design \$350.00

This institute will be held by request only with a minimum of 15 participants. Dates for the institute will be determined on availability and a mutually agreeable date between the Museum and the contracting institutions.

This five-day workshop provides participants with experiences and materials that will support their design and delivery of experiences in professional development settings for novice as well as veteran teachers. This institute is designed for teams of educators who play lead roles in professional development, who hold full-time district level positions, and whose primary responsibility is in designing, overseeing, or providing staff development, including lead and mentor teachers, science specialists, curriculum coordinators and administrators.

This workshop explores questions that are fundamental to developing inquiry experiences including:

- An exploration of the differences in hands-on approaches to learning
- A variety of activities that examine process skills that serves as building blocks for inquiry
- An exploration of the nature of questions and questioning and how they support inquiry investigations
- First-hand experience with inquiry and small group investigations exploring the relationship between process skills and conceptual understanding
- An examination of and reflection into the anatomy, structure, and facilitation of the inquiry experience and relationships to the professional development design process
- Introduction to the Texas Center for Inquiry collegial alumni network

