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CAST22

Presented by



STAT SCIENCE TEACHERS
ASSOCIATION of TEXAS

Field Guide to Science TEKS in the City

The CAST22 Field Guide to Science TEKS in the City highlights six scientific learning locales in Dallas, featuring science activities for groups and individuals, TEKS-related content and guiding questions, fun facts, and more!

Find more info at bit.ly/CAST22FieldGuide

1

Fair Park (Esplanade & Hall of State Murals)

3809 Grand Ave. Dallas, TX 75210

Admission: Free

Fun Fact: Eugene Savage of New York painted the murals to represent Texas history from early exploration to 1936.

Focus on the murals in the Great Hall in the Hall of State and within the oversized porticos of the buildings along the Esplanade on either side of the 700-foot reflecting pool.

- Spend time looking at a single scene in one of the murals. What Science TEKS might be represented in the image?
- Consider a specific standard: How are the words and concepts in the TEKS connected to the mural images?

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- How might you describe this connection to another teacher or your students?
- How might your students describe this connection to you or each other?
- Move to other scenes and other murals and repeat the questioning process.

2

Klyde Warren Park

2012 Woodall Rodgers Freeway
Dallas, TX 75201

Admission: Free

Fun Fact: The park welcomes more than one million visitors each year.

Pick a spot—any spot! From the fountain on the east end to the children’s park on the west end—or anywhere in between.

- Spend time at your first spot in the park. Let your senses take it all in. What Science TEKS might be represented by what you see, hear, touch, and/or smell?
- Consider a specific standard: How are the words and concepts in the TEKS connected to what your senses are taking in?

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- How might you describe this connection to another teacher or your students?
- How might your students describe this connection to you or each other?
- Move to another spot and repeat the questioning process.

3

Calatrava Bridges, Houston Street Viaduct, and Dallas Streetcar

Margaret McDermott Bridge & Margaret Hunt Hill Bridge, Dallas, TX 75207

Admission: Free to View, DART Fare Required to Board the Dallas Streetcar at the Corner of Houston & Young

Fun Fact: Margaret Hunt Hill Bridge was constructed from 2010 to 2012 and features a 400-foot steel arch with 58 cables diverging from it in a whimsical manner.

On the Dallas Streetcar? It will cross over the Trinity River on the 110-year-old Houston Street Viaduct. Be prepared to observe the Calatrava Bridges as you cross over.

- Observe the design and function of (1) the Dallas Streetcar, (2) the Calatrava Bridges, or (3) the Houston Street Viaduct. What Science TEKS might be represented in your observation of one of these phenomena?
- Consider a specific standard: How are the words and concepts in the TEKS connected to your observations?
- How might you describe this connection to another teacher or your students?
- How might your students describe this connection to you or each other?
- Repeat the questioning process with another of the three phenomena.



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Embarking on Your Excursion

Driving, using the bus or light rail, or taking a rideshare? Find an interactive map, DART travel tips, and more. Scan here:



Find More Info at
bit.ly/CAST22FieldGuide

Tracking TEKS Connections

Need to access the TEKS on the go? Scan here to access links to the TEKS and handy mobile app:



Don't Forget Your CAST
Badge for Free Admission!

Where to Eat

Need a pick-me-up? Check out dining options at the learning locales:



4

The Perot Museum

3809 Grand Ave. Dallas, TX 75210

Admission: Permanent Exhibits Free With a Teacher ID and CAST Badge

Fun Fact: Although the Perot Museum opened in December 2012, the institution itself has roots dating back to 1936.

From the several permanent exhibits of the Perot Museum, select one to start your encounter.

- Immerse yourself in your selected HALL. Interact, read, ponder, and engage as you observe. What science TEKS might be represented in a particular exhibit in this HALL?
- Consider a specific standard: How are the words and concepts in the TEKS connected to your observations of this exhibit?

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- How might you describe this connection to another teacher or your students?
- How might your students describe this connection to you or each other?
- Move to another hall of the Perot and repeat the questioning process.

5

Dallas Arboretum

2012 Woodall Rodgers Freeway
Dallas, TX 75201

Admission: Free With CAST Badge

Fun Fact: Over 776,000 students have participated in education programming since Rory Meyers Children's Adventure Garden opened.

From the several gardens in the Dallas Arboretum, select your own special place in one of them to start your journey.

- Sit and relax. Stroll and explore. Let your senses take it all in. What Science TEKS might be represented by what you see, hear, touch, and/or smell?
- Consider a specific standard: How are the words and concepts in the TEKS connected to what your senses are absorbing?

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- How might you describe this connection to another teacher or your students?
- How might your students describe this connection to you or each other?
- Move to a different garden and repeat the questioning process.

6

Dallas Zoo

650 South R. L. Thornton Freeway, Dallas, TX 75203

Admission: Free With CAST Badge

Fun Fact: The Dallas Zoo is open 364 days a year and houses 2,000+ animals and 400+ species.

Proceed to the Wilds of Africa. Select a location between the Base Camp and Giraffe Feeding Station, or stroll along to the Gorilla Trail to find your starting location:

- Let your senses take it all in. What Science TEKS might be represented by what you see, hear, touch, and/or smell?
- Consider a specific standard: How are the words and concepts in the TEKS connected to what your senses are absorbing at this location?
- How might you describe this connection to another teacher or your students?
- How might your students describe this connection to you or each other?
- Move to another location in the Wilds of Africa and repeat the questioning process.



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Want a Group Experience?

Visit bit.ly/CAST22FieldGuide for information about volunteer-guided group tours during CAST.