

Interactive Student Programs • Fee: \$1.50 per student

45 minutes • Presented at 9:30 a.m., 10:30 a.m., 11:30 a.m. and 12:30 p.m.

South Texas Heritage

Grades K-2

Dignity of Work

Thursday and Friday • Maximum 30 students

Students examine artifacts, art and photographs from the Witte Collection at the South Texas Heritage Center to explore the life skills and character traits that were needed to settle and develop 19th century Texas. Choose an interactive program below.

• **Water Where You Want It** - Students compare and explore ways water was collected, diverted and pumped out of the land. They will feel the weight of water on their shoulders and see the power of water as they divert and move water in an acequia.

Funds for this program may be available through the San Antonio Water System (SAWS) at www.saws.org.

TEKS

Social Studies

K - K.5 A-B; 6 A-B; 14 A-C; 16 A-B

1st Grade - 1.5 A-B; 1.6 A-C; 1.7 A-C; 1.14 A-B; 1.15 B; 1.16 A, 1.18 A-B

2nd Grade - 2.3 B; 2.6 A-C; 2.7 A-B; 2.8 A; 2.15 A-B; 2.16 A-B; 2.18 A-B

• **Trail Drive!** - Students explore sculpture, artifacts and specimens as they discover the evolution of the Longhorn from a wild beast to a contemporary icon and the hard work it took on the dangerous trail to turn longhorns into money.

TEKS

Social Studies

K - K.5 A, B; K.6 A, B; K.14 A, B, C; K.16 A, B

1st Grade - 1.5 A, B; 1.6 A-C; 1.7 A-C; 1.14 A, B; 1.15 B; 1.16 A, 1.18 A, B

2nd Grade - 2.2 A-B, 2.3 A-B, 2.4 C, 2.5 A, 2.6 A-C, 2.7 A-D, 2.8 A-C, 2.9 A-B, 2.10 A-C, 2.15 A-B, 2.16 A-B, 2.17 A-B, 2.18 A-E, 2.19 A-B, 2.20 A-B

• **The Freighter** - Students identify how the landscape influenced the exchange of goods and luxury items by investigating the role of the freighter in 19th century Texas.

TEKS

Social Studies

K - K.2 B; K.5 B; K.6 A, B; K.14 A, B; K.16 A, B

1st Grade - 1.6 B; 1.7 A-C; 1.14 A, B; 1.16 A, C; 1.18 A, B

2nd Grade - 2.3 B; 2.4 A, C; 2.7 A, B; 2.8 A, C; 2.15 A, B; 2.16 A, B; 2.18 A, B

• **South Texans at Work** - Students examine historic photographs and artifacts to identify the different types of work that existed for men, women and children in 19th century Texas. Students also explore the value of that work and how it contributed to the settlement of South Texas.

TEKS

Social Studies

K - K.2 B; K.5 B; K.6 A, B; K.14 A, B; K.16 A, B

1st Grade - 1.6 B; 1.7 A-C; 1.14 A, B; 1.16 A, C; 1.18 A, B

2nd Grade - 2.3 B; 2.4 A, C; 2.7 A, B; 2.8 A, C; 2.15 A, B; 2.16 A, B; 2.18 A, B



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Natural History

Grades K-2

Animals in Action

Wednesday – Friday • Maximum 30 students

Why do animals look and act the way they do? Channel your students' natural fascination with animals into an investigation of adaptation and behavior. Using both live and mounted animals, this program is sure to pique your students' interest, and understanding of wildlife.

TEKS

Science

K – K.2 A, B, D, E; K.5 A; K.6 C; K.9 A, B

1st Grade – 1.2 A, B, D, E; 1.6 A, B; 1.9 A, B

2nd Grade – 2.2 A, B, E, F; 2.6 D; 2.9 A, B

Dinosaur Digs

Thursday and Friday • Maximum 30 students

Students play the role of paleontologists digging into the distant past to uncover the remains of dinosaurs. Students investigate fossils and tracks to discover the many things they can teach us about these fascinating creatures.

TEKS

Science

K – K.2 A, B, E; K.5 A; K.6 C; K.9 A, B

1st Grade – 1.2 A, D, E; 1.6 A; 1.10 A

2nd Grade – 2.2 A, B; 2.3 C; 2.9 A, B

What's a Bug?

Monday and Tuesday • Maximum 30 students

What's the difference between insects, arachnids and myriapods? How many bugs can you identify? Students examine live bugs, categorize body parts and apply the information to create their own fantasy bug.

TEKS

Science

K – K.2 A, E; K.3A, C; K.4 B, K.9A, B

1st Grade – 1.2 A, D; 1.4 A, B; 1.9 A, C; 1.10 A, C

2nd Grade – 2.2 A, D; 2.4 A, C; 2.9 A, B, C

Science

Grades K-2

Food Is Fuel

Monday – Friday • Maximum 30 students

How do our food choices power our bodies? Students discover the different ways foods fuel our bodies and give us energy to do the things we enjoy. Students learn how to make healthy food choices and practice creating energizing and flavorful snacks! Students will also build a virtual balanced meal in the spectacular new H-E-B Body Adventure Powered by University Health System.

TEKS

Health

K – K.1 B,C; K.3 B; K.5 B; K.B A

1st Grade – 1.1 A; 1.3 C; 1.9 A

2nd Grade – 2.1 C; 2.1 D; 2.1 G; 2.11 B

Sensational Science Showcase: Solids, Liquids and Gases

Monday – Friday • Maximum 75 students

Get moving with the states of matter! Students transform themselves into molecules and demonstrate the difference between solids, liquids and gases in the Molecule Mambo. They will predict outcomes of experiments that explore the building blocks of matter and discover the properties of solids, liquids and gases.

TEKS

Science

K – K.2 A, E; K.5 A, B; K.7 A, B

1st Grade – 1.2 A, E; 1.5 A, B

2nd Grade – 2.2 A, E; 2.5 A, B, C; 2.8 C



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Natural History

Grades 3-5

Habitat Happenings

Wednesday - Friday • Maximum 30 students

Find out what animals need to survive and identify what makes a good habitat. Students examine live animals and investigate how adaptations help them survive. Students explore the ecological regions of Texas.

TEKS

Science

3rd Grade - 3.2 B, C, D, E; 3.8 A, B, C, D; 3.9 A, B

4th Grade - 4.2 B, C; 4.5 A, B; 4.8 A, B; 4.9 A, B

5th Grade - 5.2 C, D; 5.9 A, B, C; 5.10 A, B

Dinosaur Defenses

Thursday and Friday • Maximum 30 students

Through inquiry and discussion of past environments, students discover the adaptations and defenses dinosaurs used to survive and what made them different from other animals. They also suggest adaptations that lead to “Designosaur,” an activity in which students create a unique dinosaur.

TEKS

Science

3rd Grade - 3.3 D; 3.7 A; 3.9 C; 3.10 A

4th Grade - 4.3 C, D; 4.10 A; 5.7 D

5th Grade - 5.10 A, B



Science

Grades 3-5

Sensational Science Showcase: What Floats Your Boat?

Monday - Friday • Maximum 150 students

Get ready to sink or float! Through demonstrations and experiments, students engage with a variety of objects to explore the relationships shared by mass, volume and density.

TEKS

Science

3rd Grade - 3.2 A,B,D,E,F; 3.3 A, D; 3.4 A,B; 3.5 A,B,C; 3.6 C

4th Grade - 4.2 A,B,D,E,F; 4.3 A,D; 4.4 A; 4.5 A,B,C; 4.6 D

5th Grade - 5.2 A,B,D,E,F; 5.3 A, D; 5.4 A; 5.5 A,C; 5.6 D

Sensational Science Showcase: What's Hot, What's Not?

Monday - Friday • Maximum 150 students

Students heat things up with experiments that explore how the addition and removal of heat energy changes the world around us. Students observe expansion, contraction, conduction, convection and radiation.

TEKS

Science

3rd Grade - 3.4 B, 3.5 B; 3.6 A, 3.8 B

4th Grade - 4.4 B, 4.5 A, B, 4.6 A

5th Grade - 5.4 B, 5.5 A, 5.6 A

Put Your Heart Into It!

Monday - Friday • Maximum 35 students

How important is it to have a healthy heart? In the brand new H-E-B Body Adventure, students take a close look at a real human heart, explore heart healthy habits, learn how to make heart-smart food choices, and take a virtual bike ride down the San Antonio River.

TEKS

Health

3rd Grade - 3.1 A,B,C; 3.4 B, C; 3.9 D; 3.11 A,C,F

4th Grade - 4.1 A,D,F; 4.2 A,B; 4.8 B; 4.11 B

5th Grade - 5.1 B,C,F; 5.2 A,B; 5.8 B; 5.9 D,E

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South Texas Heritage

Grades 3-8

Dignity of Work

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• **Water Where You Want It** - Students compare and explore ways water was collected, diverted and pumped out of the land. They will feel the weight of water on their shoulders and see the power of water as they divert and move water in an acequia.

Funds for this program may be available through the San Antonio Water System (SAWS) at www.saws.org.

TEKS

Social Studies

3rd Grade - 3.1 A, 3.2 A-C, 3.3 A-C, 3.4 A-C, 3.5 A, 3.6 A, 3.7 A-B, 3.15 A-B, 3.16 B, 3.17 A-C, E, 3.18 A, 3.19 A-B

4th Grade - 4.2 A, C; 4.4 B, C; 4.8 A-C; 4.9 A-C; 4.10 A-B; 4.12 A-B; 4.21 A-E; 4.22 C

5th Grade - 5.24 B, 5.25 A-C, F; 5.26 A-D

6th Grade - 6.1 A; 6.3 A, D; 6.4 A-E; 6.5 A, B

7th Grade - 7.9 A; 7.13 A-D; 7.14 A-B

8th Grade - 8.10 A-C; 8.12 A-C; 8.27 A-D; 8.28 A, B; 8.29 A-J

• **Trail Drive!** - Students explore sculpture, artifacts and specimens as they discover the evolution of the Longhorn from a wild beast to a contemporary icon and the hard work it took on the dangerous trail to turn longhorns into money.

TEKS

Social Studies

3rd Grade - 3.1 A; 3.2 A-B; 3.4 B; 3.17 A, C, E, F; 3.18 A

4th Grade - 4.2 A, C; 4.4 B, C; 4.8 A-B, C; 4.9 A-C; 4.10 A-B; 4.12 A, B; 4.21 A-C, E; 4.22 C

5th Grade - 5.4 B, 5.25 A, B, C, F; 5.26 A, B, C, D

6th Grade - 6.1 A; 6.3 A, D; 6.4 A-E; 6.5 A, B

7th Grade - 7.9 A; 7.13 A-D; 7.14 A-B

8th Grade - 8.10 A-C; 8.12 A-C; 8.27 A-D; 8.28 A, B; 8.29 A-J

• **The Freighter** - Students identify how the landscape influenced the exchange of goods and luxury items by investigating the role of the freighter in 19th century Texas.

TEKS

Social Studies

3rd Grade - 3.4 B; 3.17 A, C, E, F; 3.18 A;

4th Grade - 4.1 B, C; 4.5 A; 4.7 B; 4.8 A, B, C, D; 4.11 B; 4.13 A, B, F; 4.14 F; 4.22 A, B; 4.23 A, B, C, D

5th Grade - 5.8 A, C; 5.9 A, B; 5.14 A, E; 5.24 C, 5.25 A, B; 5.26 A, B, C, D, E

6th Grade - 6.4 B, D; 6.5 A; 6.6 C; 6.7 A, B, C; 6.21 A, B; 6.22 A, B, C, D, E

7th Grade - 7.6 A, B; 7.9 A, C; 7.10A, B; 7.20 C; 7.21 A, B, C; 7.22 A, B, C, D

8th Grade - 8.11 A, B; 8.12 A; 8.19 C; 8.23 E; 8.29 A-F; 8.30 A



• **South Texans at Work** - Students examine historic photographs and artifacts to identify the different types of work that existed for men, women and children in 19th century Texas. Students also explore the value of that work and how it contributed to the settlement of South Texas.

TEKS

Social Studies

3rd Grade - 3.4 B; 3.17 A, C, E, F; 3.18 A;

4th Grade - 4.2 A, C; 4.4 B, C; 4.8 A, B, C; 4.9 A, B, C; 4.10 A, B; 4.12 A, B; 4.21 A, B, C, E; 4.22 C

5th Grade - 5.24 B, 5.25 A, B, C, F; 5.26 A, B, C, D

6th Grade - 6.1 A; 6.3 A, D; 6.4 A, B, C, D, E; 6.5 A, B

7th Grade - 7.1 A-B; 7.6 A-C; 7.8 A-B; 7.10 A-B; 7.12 A-C; 7.20 A, C, D, E; 7.21 A-H

8th Grade - 8.11 A, B; 8.12 A; 8.19 C; 8.23 E; 8.29 A-F; 8.30 A

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45 minutes • Presented at 9:30 a.m., 10:30 a.m., 11:30 a.m. and 12:30 p.m.

Natural History

Grades 3-8

Our Dynamic River!

Tuesday-Friday • Maximum 30 students

Using the *River Alive!* touch tank on the banks of the San Antonio River as our classroom, students investigate how a river works, how it's used and relate it to the entire San Antonio River. The history and importance of this dynamic river will be featured using maps and images from the Witte Collection. The nature of how water moves and the ways we have learned to harness its power will be illustrated using the WaterWorks exhibit. **Funds for this program may be available through the San Antonio Water System (SAWS) at www.saws.org.**

TEKS

Science

3rd Grade - 3.2C,D,E,F; 3.3A; 3.4A; 3.6A,C; 3.7D; 3.9A,C; 3.10A

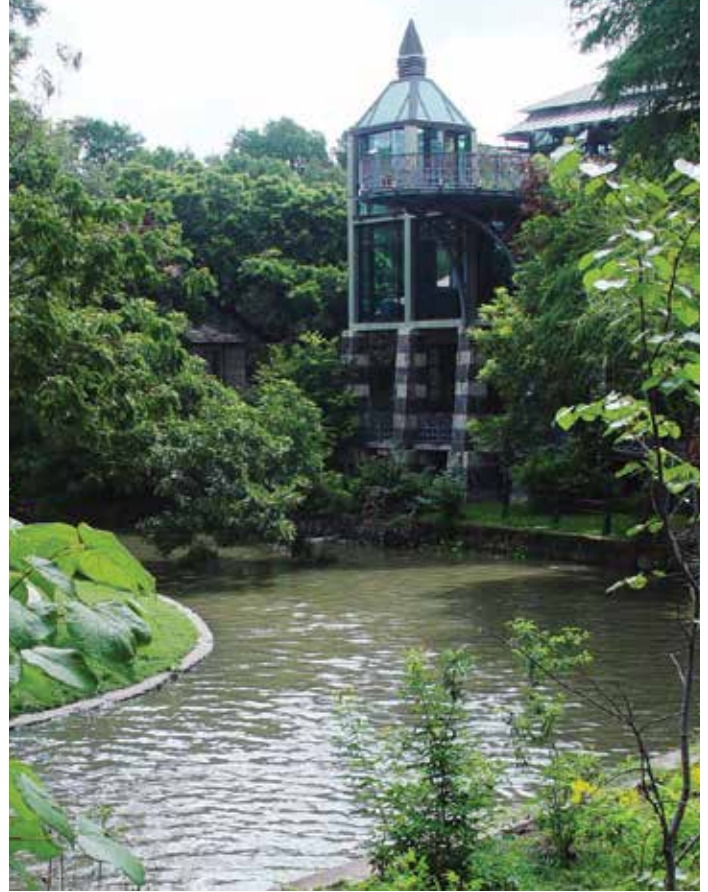
4th Grade - 4.2D,F; 4.3A,C; 4.4A; 4.7A,B; 4.8B; 4.10A,C

5th Grade - 5.2B,C,D,F; 5.3A; 5.4A; 5.6A; 5.9A,C

6th Grade - 6.2A,B,E; 6.3A; 6.8A; 6.12E

7th Grade - 7.2A,E; 7.3A; 7.4A; 7.8B,C; 7.10A

8th Grade - 8.2A,B,E; 8.3A,B; 8.6A; 8.11C



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45 minutes • Presented at 9:30 a.m., 10:30 a.m., 11:30 a.m. and 12:30 p.m.

Science

Grades 6-8

Sensational Science Showcase: Fantastic Forces

Monday - Friday • Maximum 150 students

Students explore the fantastic world of natural forces and the power of air pressure to discover the scientific secrets of everyday things. Students follow in Newton's footsteps as they observe the "pull/push" of gravity and Newton's Three Laws of Motion.

TEKS

Science

8th Grade - 8.2 A, 8.3 B; 8.4 B; 8.6 A, B, C

Sensational Science Showcase: Reactions in Action

Monday - Friday • Maximum 150 students

It's all about chemistry - substances and solutions. Students participate in demonstrations and experiments to examine chemical properties and investigate the causes of chemical change.

TEKS

Science

6th Grade - 6.2 A, B; 6.4 B; 6.5 A, C, D

7th Grade - 7.2 A, B; 7.4 B; 7.6 A, B

8th Grade - 8.2 A, B; 8.4 B; 8.5 E

The Machine Within: Muscle Mechanics

Monday - Friday • Maximum 35 students

Moving, breathing, pumping, thinking - the human body can be like a well-oiled machine! Discover the muscles that keep your body moving, explore the force, motion and energy of simple machines in your own body, and explore the musculoskeletal system at the life-sized anatomy touch-table.

TEKS

Science

6th Grade - 6.a.4.A.i; 6.a.4.C; 6.b.2.A; 6.b.3.B,C; 6.b.3.8.B,C,E

7th Grade - 7.a.4.C; 7.b.3.A, B; 7.b.7.A; 7.b.12.B

8th Grade - 8.a.4.C; 8.b.3.A-B; 8.b.6.A-C

Health

6th Grade - 6.b.1.A,B,F; 6.b.2.A



Interactive Student Programs • Fee: \$1.50 per student

45 minutes • Presented at 9:30 a.m., 10:30 a.m., 11:30 a.m. and 12:30 p.m.

Natural History

Grades 9-12

Nature's Networks

Wednesday - Friday • Maximum 30 students

It's all related - symbiotically, taxonomically and trophically. Animal relationships are a fundamental to the science of zoology. Students investigate classification, food webs and wildlife social networking to better understand the natural world. The learning process is supported by observing and examining live animals.

TEKS

High School Biology

7 C, D, 8 A, B, C, 10 C, 11 B, C, D, 12 A, B, C, D, F

Sensational Science Showcase: Fantastic Forces

Monday - Friday • Maximum 150 students

Students explore the fantastic world of natural forces and the power of air pressure to discover the scientific secrets of everyday things. Students follow in Newton's footsteps as they observe the "pull/push" of gravity and Newton's Three Laws of Motion.

TEKS

Science

High School Integrated Physics and Chemistry: 3F; 4 A, C, D-F; 5 D;

High School Physics: 2F, 3 D; 4 B, C, D; 5 B; 6 B, D

High School Principles of Technology: 7 B; 8 B; 9 D

