FIELD TRIP PACKET

September-January 2019

The Health Museum
JOHN P MCGOVERN MUSEUM OF HEALTH & MEDICAL SCIENCE
A real body of knowledge
FIELD TRIPS

GENERAL INFORMATION ABOUT FIELD TRIPS

→ The Health Museum offers immersive experiences with exciting exhibits and fun interactive activities as well as a stimulating Discovery Labs add-ons that will make your experience memorable and unique.

✓ The Field Trip Experience ($8 per student) – a complete and entertaining journey created for the most curious minds.

✓ Discovery Labs – an exciting selection of add-ons for a more customized experience.

→ No one is left behind; we have activities that fit all ages.

→ Activities are on-going, with flexible time schedules. A different selection of activities will be offered every day and makes every visit unique.

→ All Field Trips include open access to our ongoing exhibits and optional guided tours on request. Guided tours must be scheduled at least 20 business days in advance.

RESERVATION AND CANCELLATION POLICIES

→ Discovery Labs must be scheduled at least 20 business days in advance, on a first come first serve basis.

→ All reservations must be confirmed and paid in full 10 business days in advance.

→ The number of participants can be changed up to 10 business days before your field trip. After this period if you have less students than expected, you will be credited with a voucher that can be redeemed within 1 calendar year for general admission. If you have more students than expected, space is not guaranteed and accommodations will be made based on availability.
## ONGOING ACTIVITIES - INCLUDED WITH EVERY FIELD TRIP

<table>
<thead>
<tr>
<th>Activity</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amazing Body Gallery - Open Access</td>
<td>15-30 min</td>
</tr>
<tr>
<td>Brain Teasers - Open Access</td>
<td>15-30 min</td>
</tr>
<tr>
<td>Museum Exhibits - Open Access</td>
<td>30 min</td>
</tr>
<tr>
<td><strong>Body As a Work of Art: More Than Skin Deep</strong> – Aug. 17th to Jan. 11th 2019</td>
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<tr>
<td>Scavenger Hunt</td>
<td>20 min</td>
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<tr>
<td>Educational Movies</td>
<td>15 – 30 min</td>
</tr>
<tr>
<td>Live Dissection Demos: Cow Eye, Sheep Brain, or Sheep Heart - Offered daily at pre-scheduled times</td>
<td>30 min</td>
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<tr>
<td>Village Green EPA Bench - Open access</td>
<td>10 min</td>
</tr>
<tr>
<td><strong>I AM</strong></td>
<td>10 min</td>
</tr>
<tr>
<td>Color My World with Beauty</td>
<td>10 min</td>
</tr>
<tr>
<td>Itsy Bitsy Bodies</td>
<td>15 min</td>
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<tr>
<td>Beautiful Bodies: All Shapes, Colors and Sizes</td>
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</tr>
<tr>
<td><strong>I Carrot About My Eyes</strong></td>
<td>15 min</td>
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<tr>
<td>Happy Teeth!</td>
<td>15 min</td>
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<tr>
<td>My Scar is Cooler than Yours</td>
<td>15 min</td>
</tr>
<tr>
<td>Beautiful Afflictions</td>
<td>15-20 min</td>
</tr>
<tr>
<td>What’s Your Emoji?</td>
<td>15 min</td>
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</tbody>
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Find out more details about the ongoing activities on pages 5-6.  

Disclaimer: All activites may not be offered everyday and are subject to change at the museum’s discretion.
DISCOVERY LABS

→ Must be booked at least 20 business days in advance. After that period all activities might not be available (depending on staff and supplies)
→ Offered on a first come, first serve basis

*Discovery Labs* are an exciting selection of add-on classes that allow students to explore health science one step further. Through a fun, experiential learning approach, students are challenged to think creatively, collaborate and problem-solve. Each Discovery Lab encourages curious minds of all ages to think in new and different ways about their own health. Labs are aligned to state and national standards and integrate Science, Technology, Engineering, Art, and Math (STEAM) content.

<table>
<thead>
<tr>
<th>DIS discovery Labs</th>
<th>Additional fee</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNA Lab</td>
<td>$5 per student</td>
<td>60 min</td>
</tr>
<tr>
<td><em>DeBakey Cell Lab</em> – 3 stations</td>
<td>$5 per student</td>
<td>60 min</td>
</tr>
<tr>
<td>Air Pollution Solutions Lab – only on Fridays</td>
<td>$3 per student</td>
<td>60 min</td>
</tr>
<tr>
<td><strong>Dissect It Yourself (DIY) Labs</strong></td>
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<td></td>
</tr>
<tr>
<td><em>Cow Eye Dissection</em></td>
<td>$5 per student</td>
<td>40 min</td>
</tr>
<tr>
<td><em>Owl Pellet Dissection</em></td>
<td>$5 per student</td>
<td>40 min</td>
</tr>
<tr>
<td><em>Sheep Heart Dissection</em></td>
<td>$8 per student</td>
<td>60 min</td>
</tr>
<tr>
<td><em>Sheep Brain Dissection</em></td>
<td>$15 per student</td>
<td>60 min</td>
</tr>
<tr>
<td><strong>Amazing Body Lab</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(max 30 students per session)</td>
<td>$10 per student</td>
<td>75 min</td>
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<tr>
<td><strong>Clinical Case Lab</strong></td>
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<tr>
<td>(min 10 - max 30 students per session)</td>
<td>$8 per student</td>
<td>60 min</td>
</tr>
<tr>
<td><strong>Nutrition Lab</strong></td>
<td>$5 per student</td>
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</tbody>
</table>

*Find out more details about the Discovery Labs on pages 7-8.*
DETAILS ABOUT THE ACTIVITIES

The Field Trip Experience

**Amazing Body Gallery**
Explore the science of health and the human body with interactive kiosks, larger-than-life models of human organs including a giant beating heart!

**Brain Teasers:**
Who will be the most successful at cracking puzzles?

**Exhibit:**
**BODY AS A WORK OF ART: MORE THAN SKIN DEEP**
August 17, 2018 – January 11, 2019

*Body as a Work of Art: More than Skin Deep* is an interactive multimedia exploration of how society imposes external concepts of beauty. Visitors are challenged to redefine physical beauty from an intrinsic and diverse perspective. Social media and its impact on mental health are explored, as well as the hidden beauty of the scarring, diseases, and genetic conditions that affect millions. Visitors also get a glimpse into the history and future of medical advancements and the molecular marvels of the human body.

*Body as a Work of Art* empowers individuals to acknowledge the beauty of the human body - and their own body. Ultimately, each person walks away with a fresh perspective, free of society's preconceived notions of beauty.

**DISCLAIMER:** The Bodysuits Exhibit is for 9th grade and up only.

**Scavenger Hunt:**
Using a TEKS-based scavenger hunt as a guide, you’ll take selfies and explore the science of health all over the different museum exhibits.

**Educational Movies:**
Take a break in our McGovern Theater and participate in a fun activity related to the movie to learn more about your health and body.
**Live Dissection Demos:**
Take a seat inside the McGovern theater and follow a live dissection of a cow eye or a sheep brain performed by one of the Museum science educators.

**Village Green EPA Bench:**
Our new green bench is unique to Houston. It’s made of recycled materials and solar panels providing the power necessary to measure ozone and fine particle pollution. Learn how the bench also gathers meteorological information: humidity, wind speed, and temperature.

**I Am**
What is real beauty? Is it in the eye of the beholder? Students will learn that real beauty is a composite of characteristics in a person that go beyond the physical - funny, empathetic, strong courageous, compassionate, wise.

**Itsy Bitsy Bodies**
Students will explore the different systems within the body and how they work independently and together to form a functioning human body.

**Beautiful Bodies: All Shapes, Colors & Sizes**
What do you notice in others when you first see them? What do you think others notice about you when they first see you? In this hands-on art activity, students will reflect on who or what influence the way they think about their bodies and recognize difference and celebrate their uniqueness by creating their own body silhouette masterpiece.

**Color My World with Beauty**
In this mapping project, students will explore culture diversity within their own community and around the world.

**I Carrot About My Eyes**
What does Bugs Bunny loves and kids use them as a nose for a snowman? You guessed it! Carrots! Students will have the opportunity to learn how our bodies convert the beta-carotene in carrots into vitamin A. This nutrient, crucial to eye health, aids night vision and protects against eye diseases and infections.
My Scar is Cooler Than Yours
Empathy is one of the most critical social skills young learners can develop. Not only is empathy a primary ingredient of bully-free zones and a harmonious inclusive society. Empathy is also a skill students will use for the rest of their lives, as they grow into caring, compassionate adults and good citizens. My Scar is Cooler Than Yours activity, students will have the opportunity to share their own stories about their scars, and to how to embrace their scars and others.

Happy Teeth!
In this lively hands-on activity, students will learn how taking good care of our teeth is something each of us can do. Happy Teeth! reinforces good dental hygiene habits and focuses on special activities and conditions that require extra "tooth attention."

Beautiful Affliction
Even the deadliest diseases can possess an unexpected splendor under the microscope. Beautiful Affliction is a collection of dresses created by Cherie Acosta, the fabric and design of which are inspired by Norman Barker’s Hidden Beauty, an exhibition that delves into the artistic side of medical science. Students will discover the beauty of diseased cells while unveiling stories of struggle and triumph, through their own artistic rendition of a cell and discuss topics on cancer prevention and awareness.

What’s Your Emoji?
Kids have stress in their lives, too. Whether it comes from the pressures of social media, academics, or friendships, this craft project is sure to help. In our Social Media Lab, students will create their very own emoji stress ball. Not only are these stress balls fun to make, but they can relieve stress through squeezing, smashing and tossing!
Discovery Labs

→ Must be registered 20 business days in advance

**DNA Lab** $5 per student (1 hour)
Students learn about their DNA make up, enjoy an advanced Scavenger Hunt, and take home a necklace with their very own DNA.

**DeBakey Cell Lab** $5 per student (1 hour)
Students participate in 3 of the 7 stations.
More details about the DeBakey Cell Lab experience below.

**DIY Labs: Dissect it Yourself** (45-60 min)
DIY Labs are hands-on dissections for all ages. Students will get a chance to actively explore the structure and function of organs.

→ **DIY Owl Pellet** $5 per student

→ **DIY Cow Eye Dissection** $5 per student

→ **DIY Sheep Heart** $8 per student

→ **DIY Sheep Brain** $15 per student

**Amazing Body Lab** - $10 per student (75 min) - max. of 30 students
Take a sneak peek inside the human body and explore our SynDaver, a medical simulator that has been seen on Mythbusters and Grey’s Anatomy. Not only will anatomy come alive, but students will try their hand at real surgical skills as they scrub up, dissect, and practice stitching and suturing. Bring a steady hand and an excitement for learning.
Clinical Case Lab - $8 per student (60 min) – max 25 students

Brought to you in collaboration with the Chicago Museum of Science & Industry. Students will do much more than trying on a stethoscope and performing compressions on a non-responsive dummy in this Lab. They will step into the role of “Doc for an Hour”—complete authentic medical tests using professional lab tools, work with a state-of-the-art human patient simulation robot, analyze test results, develop a diagnosis, and suggest treatment for illness. Upon completion of the Lab, students will feel empowered to take greater initiative in improving personal, family and/or community health.

Air Pollution Solutions Lab - $3 per student

Brought to you in partnership with Air Alliance Houston

Learn the basic facts of air pollution: what it is, where it comes from, and what you can do about it. Students are led through an improvisational drama in which they act out real-world scenarios and become advocates for their health. Students dig into topics about the ozone and diesel exhaust through two exciting role-playing scenarios. They will work on their feet, problem-solve and generate real solutions to air pollution-related health concerns. The Air Solutions Pollution Lab teaches students about the importance of clean air, and explains how our personal choices can affect our environment.

Nutrition Lab - $5 per student (60 min) - max. of 25 students

Students will whisk and stir their way through hands-on cooking activities including lessons on eating a balanced diet, understanding the importance of micro and macro nutrients, and reading food labels. Participants will have the opportunity to feast on their culinary creations and take home healthy recipe cards incorporating foods that promote optimal growth and development of specific body systems.
The DeBakey Cell Lab is a distinct, new kind of museum experience honorably named after the respected and accomplished medical pioneer, Dr. Michael E. DeBakey. Gear up with a lab coat, gloves, and goggles and travel through three experiment stations in both English and Spanish. This bilingual exhibit is designed to introduce biology-based science to the public and inspire future scientists and science-lab leaders in the medical field.

- **The lab is recommended for ages 7 and up due to the complexity of the experiments.**
- **All guests, ages 13 and under, must be accompanied by an adult chaperone.**
- **This hands-on exhibit is an additional $5.00 per student**
- **Participants can select 3 experiments per visit to the Museum.**
Travel through three of seven lab benches that get you up close and personal with cellular biology.

✓ Get Cheeked!
✓ Anti-Microbial Investigations
✓ Unrolling DNA
✓ Break it Down
✓ Seeing Red
✓ Mystery Microbes
✓ Giant Chromosomes

CELLULAR BIOLOGY BENCH DESCRIPTIONS

| Get Cheeked! |

*Goal: Stain and examine your own cheek cells*

*Time: 15 Minutes – Age 7 up*

- You will examine a small sample of your cheek cells under a microscope.
- You will be looking for the large nucleus, cell membrane, and bacteria.

| Anti-Microbial Investigations |

*Goal: The objective of this bench is to determine which common antimicrobial products are the most effective in killing bacteria.*

*Time: 20 (plus) Minutes - Age 7 up*
Many common household cleaners are antimicrobials.

- You will test the effectiveness of several of these agents, such as bleach, hand soap, and hand gel on a common strain of bacteria, *bacillus moratorium*.
- Engage in the scientific process by first proposing a hypothesis, then testing the hypothesis with positive and negative controls, and finally interpreting the results.

## Unrolling DNA

*Goal: Isolate DNA from raw wheat germ*

*Time: 15 Minutes – Age 7 up*

Each one of us are unique. This activity bench focuses in a simple extraction of DNA from wheat germ.

DNA is considered the “thread of life”. It is contained in the nucleus of the cell compacted into what are called chromosomes. This activity allows you to see long, stringy strands of DNA after you lyse open the cell and break down membranes.

- You’ll put wheat germ in a solution and add soap. Soap will break down the cell plasma membrane (the membrane is made up of lipids and they break down in the presence of soap).
- You’ll release the DNA bound by proteins by adding meat tenderizer and by using a precipitation method using alcohol. DNA does not break down in alcohol but does in water. Alcohol will allow us to spool together thousands of strands of wheat DNA. Use the glass stirring rod to swirl it around and gather the DNA on a glass rod.
Break it Down

Goal: To identify amylase enzymes in saliva

Time: 15 (plus) Minutes – Age 10 up

Digestion of food begins in the mouth when saliva is secreted to break down starchy substances. This activity allows you to analyze a sample of your saliva and the role of enzymes in digesting starch. Several different levels of testing the enzyme, amylase, are provided.

Examples of these tests include timing how long it takes the enzyme to convert starch to simple sugars and testing substances other than starch that the enzymes does not break down.

- You’ll see how our starch solution begins as a dark blue. As amylase begins to break down the starch, you’ll see it turn to yellow as we add iodine.

Seeing Red

Goal: To realize the complexity of blood

Time: 30 (plus) Minutes – Age 10 up

Blood is more than a red liquid: it is a mixture of plasma and cells.

- You will explore the properties of blood through up to three different procedures.
- Look at real sheep’s blood through a microscope,
- Measure the proportion of red blood cells, and determine the blood type of a sample using simulated blood.
- Learn what a sample of blood looks like under the microscope.
- You’ll apply a stain to highlight the RBCs and WBCs.
- You’ll be able to identify the shape of RBCs, learn why they look like little rings, and identify WBCs based on the stain.
Mystery Microbes

Goal: To identify bacteria using stains and chemicals test
Time: 40 (plus) Minutes – Age 12 up

Bacteria are an essential part of our life. We rely on bacteria to keep us healthy.

- You will stain, test, and identify one of 4 unknown strains of bacteria that are commonly found in and on the human body. This bench uses equipment and materials typically found in clinical bacteriology labs.
- You will learn techniques of microbiology, while also practicing the detective work of using techniques to identify unknown substances.

Giant Chromosomes

Goal: To identify chromosomes from a fruit fly
Time: 40 Minutes

Many of genetic sequences found in the fruit fly genome are similar to those found in humans.

- You’ll stain DNA from fruit fly salivary glands.
- Examine the DNA in tightly packed chromosomes under a microscope.

This activity involves a longer time commitment and is recommended if you have completed the other benches and would like an extra challenge.
SCHOOL FIELD TRIP CODE OF CONDUCT & EXPECTATIONS

The Health Museum welcomes you and your students to the Museum and hopes you have a fun visit filled with new experiences and discoveries. We understand young students are in the beginning stages of socialization with others, and want to provide a foundation for helping students reinforce positive social skills and behaviors. The Museum expects all patrons to follow Museum rules during their visit. The Museum team is here to facilitate a positive visit, but cannot be expected to supplant the role of the adult in supervising all children they accompany. If any patrons ever need assistance, please let a Museum team member know how we can help!

MUSEUM RULES

_In general, remember low and slow—low voices and slow feet._

- ✓ All children MUST be under constant supervision of the adult(s) accompanying them. Please do not allow your child to roam freely without you.
- ✓ Chaperones will be given specific badge colors to identify their groups for field trip activities.
- ✓ Appropriate conduct is expected of all patrons (both big and small) at all times. The Museum reserves the right to intervene and to ask you to return another day if you are not meeting the Museum rules for conduct.
- ✓ Treat others as you would like to be treated.
- ✓ Respect the property of others, including the property of both the Museum and fellow patrons.
- ✓ Appropriate behaviors include, but are not limited to the following:
  - ✓ Being respectful
  - ✓ Being courteous
  - ✓ Being helpful
  - ✓ Do not allow older children to engage in rowdy play, running, or roughhousing. Remember that safety is a priority.
✓ Walking feet, kind choices, and inside voices please.
✓ Shoes are required for all children of walking age, even for little feet.
✓ Please do not bring food or drink into the Museum Exhibits. Please enjoy your snack or lunch in the courtyard or in the vending machine area.
✓ Be curious! Participate in activities and ask questions!

We thank you for joining us at The Health Museum. Have fun!

FIELD TRIP CHECK LIST

Implementing a successful learning experience at The Health Museum requires preparation. In order to effectively lead your group, you need to have a clear understanding of the Museum’s layout, available resources, and the day’s learning activities. Use our Field Trip Check List to ensure you are well prepared for your visit.

At least 10 business days before your field trip:

☐ Prepare to register.
☐ Visit our website: www.thehealthmuseum.org
☐ Choose three potential field trip dates.
☐ Decide which program offerings you would like to do.
☐ Determine the total number of students and chaperones who will be visiting.
☐ Identify your lunch needs.
☐ Contact the Reservations Department at reservations@thehealthmuseum.org
☐ Complete necessary school paperwork (e.g. field trip application, student permission slips, etc.).
☐ Coordinate transportation.
☐ Recruit chaperones.
☐ Prepare yourself.
☐ Prepare chaperones.
☐ Create chaperone groups. Remember to follow our chaperone-student ratio.
☐ One adult chaperone per ten students.
BEFORE THE FIELD TRIP

A successful field trip begins well before students board the bus.

Goals

✓ Students have realistic expectations about what they will see and do at the Museum
✓ Students understand the goals for learning at the Museum
✓ Students understand how the field trip fits into classroom learning
✓ Students complete activities that prepare them for learning at the Museum

Strategies

✓ Prepare for the field trip experience
✓ Read a book about health
✓ Examine a museum map
✓ Explore the Museum website
✓ Discuss students’ prior visits to The Health Museum or other museums
✓ Communicate behavior expectations and consequences
POLICIES AND PROCEDURES FOR FIELD TRIPS

By submitting your reservation form, you agree to the following policies:

HOW DO I MAKE A RESERVATION?

✓ Reservations are made online through our website and are not accepted by telephone or email.
✓ Reservations are taken on a first come, first serve basis. We recommend scheduling your field trip early in the year in order to secure your preferred dates.
✓ Discovery Labs must be scheduled at least 20 business days in advance.

DO WE NEED TO PRE-PAY FOR OUR FIELD TRIP?

✓ A $50 non-refundable deposit holds your date and time; please know that your reservation is not secured until this deposit is paid.
✓ Your full payment, minus the deposit amount, is due at least 10 business days before your field trip.
✓ The Museum accepts payment in the form or checks, Visa, MasterCard, Discover, or American Express.
✓ We do not accept purchase orders.

Please call Reservations at 713.337.8451 with a credit card number or mail checks to:
The Health Museum, ATTN: Reservations, 1515 Hermann Drive, Houston, TX 77004

HOW WILL I KNOW IF MY RESERVATION HAS BEEN ACCEPTED?

✓ The Health Museum will email a copy of your reservation confirmation form within a week of receiving your submitted online reservation request.
✓ We will contact you via the email address you provide if your preferred time/date is not available. You will then review the reservation for accuracy, and pay your $50 deposit.
✓ Your reservation will only be confirmed after the deposit amount has been received.
If you do not receive your reservation confirmation letter via e-mail within a week of submission, please contact:

*Reservations at 713.337.8451 or reservations@thehealthmuseum.org.*

### CAN I MAKE CHANGES TO MY RESERVATION?

- Rescheduling or changes can be made until 10 business days before your scheduled field trip.
- Changes must be made in writing via email to *reservations@thehealthmuseum.org*.
- Schools bringing fewer students than reserved will be given general admission vouchers for each student that is paid for but not attending; no monetary refunds will be given.
- Schools bringing more students than reserved will be expected to pay for the additional students and chaperones upon arrival. Space is not guaranteed and accommodations will be made based on availability.
- Vouchers, gift passes, Museum memberships, and general admission tickets cannot be used to pay for field trip reservations.

### WHAT IF I NEED TO CANCEL MY FIELD TRIP?

- Cancellations must be received in writing by e-mail within at least 10 business days prior to the scheduled field trip date.
- Any “no-shows” or schools that fail to cancel within 10 business days prior to the scheduled field trip will be billed for the full contracted amount of the reservation.

### HOW MANY CHAPERONES CAN I BRING?

- We require that K-12 schools bring one chaperone for every ten students. The required chaperones will receive complimentary general admission.
- Each additional chaperone will be charged the adult group rate of $7.
- Chaperones or parents that arrive and pay independently of the group will be charged the adult group admission rate of $7.
WHERE DO BUSES DROP-OFF AND PICK-UP STUDENTS?
Bus pick-up and drop-off is on La Branch Street at the group entrance of The Health Museum. Bus parking is not available along La Branch Street but limited bus parking is available along other streets in the Museum District. For The Health Museum, we recommend trying to park your bus along Crawford Street next to the museum or along Hermann Drive. Please give your bus driver this information so all our guests can safely arrive and depart.

WHERE DO INDIVIDUAL VEHICLES PARK?
If you will be arriving in individual vehicles, parking is available in our surface lot for $5 per vehicle.

CAN WE EAT LUNCH AT THE HEALTH MUSEUM?
✓ We do not have an onsite lunch facility, or an area for students to eat lunch.
✓ However, many groups bring a picnic lunch and eat across the street at Hermann Park or McGovern Centennial Gardens before or after their scheduled field trip.
✓ Lunch breaks are not offered during the middle of a field trip.

CAN I PREVIEW THE HEALTH MUSEUM BEFORE OUR FIELD TRIP?
We welcome all teachers to visit the Museum. We recommend attending a Teacher Tour or just visiting to find out what the Museum has to offer and how to use it in your classroom. We would also be happy to attend a faculty meeting or parent organization meeting to present our programs.

AS A CURRENT MEMBER, WILL MY FIELD TRIP RESERVATION HAVE ANY ADDITIONAL DISCOUNTS?
Memberships cannot be used for additional discounts on school field trips or group visits.
TEKS

Elementary

Health: K-1; 1A-C, K-5; 3A-C, K-5; 4A-C, 2-4; 7A-B, 3-5; A, K-5; 9 A-F, 1; 10A-B
Science: K; 4 A-B, K 9 A-B, 1; 5A, 1; B1 A-B, 2; 2 A-C, 3; 10A, 4; 10 A-B, 5; A-B, 5; 2 A-F
Social Studies: K; 13 A-C, 1:16 A, 2; 17A-B, 3; 18 A-C, 4; 22 A-B, 5; 23 A-D
Physical Education: K-5; 3A-E, K-5; 4 A-D, 1-5; 4 A-C
Fine Arts: K-5; 2A-C

Middle School

Health: 6; B 1 A-F, 6; 3 A-C, 6; 4 A-B, 6; 8 A-C, 6; 11 A-B, 6; 12 A-E, 7-8; B 1 A-E, 7-8;
3 A, 7-8; 4 A-C,
Science: 6; 3 A-D, 712 A-B
Social Studies: 6; 21 D, 21 E, 7; 20 A-E, 8; 29 A-D
Physical Education: 6; 3A-C, 6; 4 A-I, 7; 4 A-H, 8; 3 A-I, 8; 4 A-B
Fine Arts: 6-8; 2 A-C

High School

Health: 9-12; B1 A-F
Science: 9-12; C1 A-B, 2 A-C
Social Studies: 9-12; 27A
Physical Education: 9-12; 2A-B, 3A-D, 4 A-D, 5 A-F
Fine Arts: 9-12; 2 A-F