

The Houston Museum of Natural Science and Scouts@HMNS is pleased to announce its badge class schedule for the Spring of 2018 and renew its commitment to the advancement of Boy Scouts and Girl Scouts in the Houston metropolitan area.

Classes will take place on ten Saturdays from January through May and during Spring Break. Boy Scout Merit Badge classes will occur from 9:30 a.m. to 1:30 p.m. All other classes, including those for Cub Scouts, Webelos, and all Girl Scouts will last two hours and begin at either 10 a.m. or 1 p.m. Check out Badges On Demand online if you can't attend a scheduled class!

SPRING SCHEDULE ON BACK • REGISTER ONLINE AT HMNS.ORG

SPRING 2018 SCOUTS@HMNS SATURDAY CLASSES

CUB SCOUTS

Boy Scout classes are designed for Scouts currently in grades 1-3. Class times are 10 a.m.-12 p.m. or 1-3 p.m. Chaperones should stay with the Scouts. *\$15 – Members; \$25 – Non-Members.*

Tiger Cub classes are designed for Scouts currently in the 1st grade.

Curiosity, Intrigue, and Magical Mysteries – Discover some new magic tricks and the awesome science behind them! (2/24, 4/21, 5/12)

Sky is the Limit – Take a tour of the night sky, exploring planets, stars, and constellations. (5/5)

Tigers in the Wild – Learn how to be prepared for a hike, the Outdoor Code, plants to explore and avoid, while exploring their environment. (2/10)

Wolf Cub classes are designed for Scouts currently in the 2nd grade.

Air of the Wolf – Discuss the basics of air temperature, movement, and more! (5/5)

Cubs Who Care – Learn how people with disabilities overcome their challenges. (2/10)

Digging in the Past – Take your dinosaur adventure to the next level with the largest paleontology hall in North America! (STEM NOVA) (1/27, 4/7, 5/12)

Germes Alive – Explore the world of germs, mold and spores to keep you healthy. (STEM NOVA) (2/24, 4/21)

Grow Something – Grow some plants and vegetables to discover how sun, soil, shade and fertilizer affect plants. (STEM NOVA) (3/24, 4/28)

Motor Away – Learn different ways to make and propel vehicles. (STEM NOVA) (1/6)

Bear Cub classes are designed for Scouts currently in the 3rd grade.

Beat of the Drum – Learn about crafts, music and dancing of Native American Indians. (1/6, 5/5)

Critter Care – Pets are fun, and exciting to own! Learn the responsibilities of owning a pet, if you have one or thinking about asking for one. Requirements 1B, 2B & 3A will be covered. (3/24)

Forensics – Explore the science used to solve crimes. (STEM NOVA) (4/7, 5/12)

Make It Move – Learn how to make everyday tasks even easier. (STEM NOVA) (2/24, 4/28)

Robotics – Learn about robots in our world and build your own. (STEM NOVA) (1/27, 4/21)

Super Science – Do experiments on density, static electricity and others while exploring the world of science. (STEM NOVA) (2/10)

WEBELOS

Webelos classes are designed for Scouts currently in grades 4-5. Class times are 10 a.m.-12 p.m. or 1-3 p.m. Chaperones should stay with the Scouts. *\$15 – Members; \$25 – Non-Members. First Responder: \$35 Members; \$45 Non-Members.*

Adventures in Science – Design your own experiment, explore some chemical reactions, and build a rocket to test Newton's Laws of Motion! (STEM NOVA) (1/27, 3/24, 4/28, 5/12)

Art Explosion – Discover your inner artist with activities in sculpting, photography, and illustration. (4/21)

Aware and Care – Looking at the world and challenges through other people's eyes. (1/6, 5/5)

Build a Better World – Learn the rights and duties of a good citizen. (Prerequisites: Scouts will need to help lead a flag ceremony within their den; Requirement 5) (2/10)

Earth Rocks – Explore the fascinating world of geology by examining the world around you. (STEM NOVA) (2/10, 4/7, 5/5)

Engineer – Explore engineering and create some engineering projects. (STEM NOVA) (1/6, 2/24, 4/28)

First Responder (Class fulfills the requirements of the badge and provides Webelos Red Cross First Aid Certification) – Learn what to do in the case of emergencies of all kinds and how to administer First Aid from American Red Cross certified instructors. (1/27)

Game Design – Explore the elements of game designing and create your own board game. (STEM

NOVA) (1/27, 4/7)

Into the Wild – Study a variety of animals and their habitats, and tour the Farish Hall of Texas Wildlife! (STEM NOVA) (3/24)

Into the Woods – Discuss the importance of plants and trees and examine their impact on your everyday life. (STEM NOVA) (2/24, 4/21)

Looking Back, Looking Forward – Explore the history of scouting and your place in history and create a time capsule. (5/21)

Movie Making – Webelos will learn the processes to making movies while creating their own. (3/15)

BOY SCOUTS

Boy Scout Merit badge classes are designed for boys who are 11 years old, are at least ten years old and have finished the fifth grade, or are at least ten years old and have earned the Arrow of Light rank as a Webelos. These classes aim to fulfill the requirements of the badge, but outside work may be required in some instances. Classes are from 9:30 a.m.-1:30 p.m. Scouts will need to bring a sack lunch. *Members – \$25; Non-Members – \$35. Eagle Classes: Members – \$50; Non-Members – \$60.*

Archaeology – Learn about human cultures through the clues they left behind, all while examining actual Museum artifacts! (3/24)

Astronomy – Study how activities in space affect our planet and witness the wonders of the night sky. (STEM NOVA) (Prerequisite 4c, 5d & 6b) (2/10, 4/21)

Chemistry – Explores how substances react with each other and change, how certain forces connect molecules, and how molecules form. (5/12)

Citizenship in the Community – Explore how our local governments work within their community. (Eagle) (Prerequisite 3 & 7) (2/10, 3/14, 4/21)

Citizenship in the Nation – Scouts will learn how to become active citizens. (Eagle) (Prerequisite 2, 3 & 8) (1/6, 3/24)

Citizenship in the World – Discuss international relations and politics worldwide. (Eagle) (2/24, 4/7)

Communications – Learn effective communication skills. (Eagle) (Prerequisite 4, 5 & 8) (1/6, 4/28)

Disability Awareness – Understand and appreciate each individual's strengths and challenges while exploring how the museum provides resources to meet

the needs of our patrons and make the museum accessible to all audiences. (Prerequisite 2 & 4 Option A or B, just one other place to visit, the museum will count as 1 of the 2 visits) (STEM NOVA) (1/27)

Electronics – Learn about electrical devices and how they work, exploring circuits, soldering, and Ohm's Law. (STEM NOVA) (2/24, 5/5)

Energy – Explore how energy works, from thermodynamics to alternative fuels. Find out about energy conservation, natural resources, and different forms of energy. (STEM NOVA) (1/27, 5/12)

Environmental Science – Investigate the interactions between air, land, water and life and the human impact on each of them. (Eagle) (3/13-15)

Family Life – Scouts will learn the roles families play within the community, the importance of family life, how to strengthen their own families. (Eagle) (Prerequisite 3, 4 & 5) (1/27, 3/13, 5/5)

First Aid – Learn what to do in the case of emergencies of all kinds and how to administer First Aid and CPR from American Red Cross certified instructors. (Eagle) (3/13)

Geology – Learn about the Earth, its materials, and the processes that change it over time, and the history of how these things happened. (4/7)

Indian Lore – Using the John P. McGovern Hall of the Americas as a lens into history, learn all about the groups that called the Americas home. (2/24, 4/7)

Insect Study – Discover the wide variety of insect life in the world and explore the Brown Hall of Entomology. (Prerequisite 5 a & b) (STEM NOVA) (5/5)

Mining in Society – From deep in the ground, to your dinner table, learn the processes, dangers and environmental impacts of mining. (STEM NOVA) (4/21)

Personal Management – Scouts will explore budgets, finance and investment strategies. (Eagle) (Prerequisite 2 & 8a-d) (2/10, 3/15, 5/12)

Reptile & Amphibian Study – Learn about reptiles and amphibians, their similarities and differences, with the Museum's live animal collection! (Prerequisite 8 & 9) (STEM NOVA) (1/6)

Weather – Study the Earth's atmosphere and learn about the water cycle, predicting the weather, and discuss extreme weather. (STEM NOVA) (3/24, 4/28)

GIRL SCOUTS

All Classes – \$15 – Members; \$25 – Non-Members.

Daisies & Brownies Trails classes are designed for Scouts currently in grades K-3. Class times are 10 a.m. to 12 p.m. or 1 to 3 p.m.. A chaperone must stay with the Scouts.

Americas – Discover the different cultures in the John P. McGovern Hall of the Americas. (4/21)

Ancient Egypt – Learn about the cultural practices and customs of the ancient Egyptians while making crafts and exploring the Museum's halls. (2/24)

Butterflies – Learn about rainforests and the animals they support! (5/12)

Dinosaurs – Conduct experiments and explore the properties of everyday objects. (1/27)

Gems & Minerals – explore the depths of the Earth with the Museum's renowned collection of gems and minerals. (5/5)

Texas Wildlife – Discover Texas's diversity while exploring the Farish Hall of Texas Wildlife. (3/24)

Daisies classes are for Girl Scouts currently in Grades K-1. A chaperone must stay with the Scouts.

Board Game Challenge – Daisies will explore inventors and create their own board game. (1/27, 4/28)

Design a Robot – Create a robot that can solve everyday tasks. (5/5)

How Robots Move – Learn the many things that robots are designed to do. (4/21)

Model Race Car Challenge – Daisies will explore engineering and the effects of friction. (3/24)

What Robots Do – Explore how engineers design

robots to perform different tasks. (4/7)

Brownies classes are for Girl Scouts in Grades 2-3.

Bugs – Explore the world of bugs. (11/4)

Fling Flyers Challenge – Brownies learn about the forces that affect flight. (3/24, 4/28)

Home Scientist – Explore science experiments from items out of your kitchen pantry. (4/21)

Inventor – Find creative solutions to issues. (2/24)

Leap Bot Design Challenge – Explore engineering, gravity, and force by building a Leap Bot. (5/5)

Race Car Challenge – Design a car and test the design's affect on speed. (4/7)

Robotics – For Programming and Designing Robots. Create a program that could run a robot and design a robot that solves global problems. If time allows girls will begin Showcasing Robots Badge. (3/15)

Juniors classes are for Girl Scouts in Grades 4-5.

Animal Habitat – Explore wild animals and how to protect their habitats. (2/24)

Detective – Learn the science in detection and forensics. (3/24, 5/12)

Inside Government – Explore government, laws and the people who make them. (2/10)

Product Designer – Explore the world of product design. (9/30, 12/2)

Programming – Learn the step by step instructions that programmers use to Develop an understanding needed to program robots. (4/7)

Robotics – Create a program that runs a robot and design a robot that solves problems. If time allows

girls will begin Showcasing Robots Badge. (3/15)

Cadettes classes are for Girl Scouts in Grades 6-8.

Animal Helpers – Explore how animals help people and improve our emotional health. (4/21)

Breathe – Girls will work on their Breathe Journey awards and create a take action project to share with others. (3/13)

Budgeting – Learn to how to budget, keep tabs on your money and spending habits. (4/7)

Financing My Dreams – Explore the realities of budgeting and how to practice financial habits. (5/12)

Netiquette – Discover how to make positive choices in the online world. (3/24)

Special Agent – Explore the world of Forensic Science and Criminal Psychology. (2/10, 5/12)

Careers in Science classes are designed for Scouts currently in grades 4 and up. Class times are 10 a.m. to 12 p.m. or 1 to 3 p.m.. A chaperone must stay with the Scouts.

Biology – Explore biology, while learning about cells, animal anatomy and a pickle dissection! (2/24)

Chemistry – Try out some chemical reactions and learn about how everyday objects interact with each other using the scientific method. (1/27)

Geology – discover the composition and chemistry of the Earth and its history by using evidence from rock layers all over the world. (3/24)

Paleontology – Explore the world-class Morian Hall of Paleontology to learn about the fossil record with Museum paleontologists. (10/7)

SPRING 2018 SCHEDULE

CLASSES AT HMNS HERMANN PARK

JAN. 6	Wolf Cubs	Motor Away	10 a.m.-12 p.m.
	Bear Cubs	Beat of the Drum	1-3 p.m.
	Webelos	Aware and Care	10 a.m.-12 p.m.
	Webelos	Engineer	1-3 p.m.
	Boy Scouts	Citizenship in the Nation	9:30 a.m.-1:30 p.m.
	Boy Scouts	Communications	9:30 a.m.-1:30 p.m.
	Boy Scouts	Reptile & Amphibian Study	9:30 a.m.-1:30 p.m.
JAN. 27	Wolf Cubs	Digging in the Past	1-3 p.m.
	Bear Cubs	Robotics	10 a.m.-12 p.m.
	Webelos	First Responder	9:30 a.m.-12 p.m.
	Webelos	Adventures in Science	10 a.m.-12 p.m.
	Webelos	First Responder	1-3:30 p.m.
	Webelos	Game Design	1-3 p.m.
	Boy Scouts	Disabilities Awareness	9:30 a.m.-1:30 p.m.
	Boy Scouts	Energy	9:30 a.m.-1:30 p.m.
	Boy Scouts	Family Life	9:30 a.m.-1:30 p.m.
	Daisies & Brownies	Dinosaur Trails	10 a.m.-12 p.m.
FEB. 10	Juniors, Cadettes, Seniors	Careers in Science: Chemistry	10 a.m.-12 p.m.
	Tiger Cubs	Tigers in the Wild	1-3 p.m.
	Wolf Cubs	Cubs Who Care	10 a.m.-12 p.m.
	Bear Cubs	Super Science	1-3 p.m.
	Webelos	Earth Rocks	10 a.m.-12 p.m.
	Webelos	Building a Better World	1-3 p.m.
	Boy Scouts	Astronomy	9:30 a.m.-1:30 p.m.
	Boy Scouts	Citizenship in the Community	9:30 a.m.-1:30 p.m.
	Boy Scouts	Personal Management	9:30 a.m.-1:30 p.m.
	Juniors	Inside Government	10 a.m.-12 p.m.
FEB. 24	Cadettes	Special Agent	1-3 p.m.
	All Girl Scouts	Girls Exploring Math & Science (GEMS)	Feb. 17, 9 a.m.-1 p.m.
	Tiger Cubs	Curiosity, Intrigue, and Magical Mysteries	1-3 p.m.
	Wolf Cubs	Germes Alive	10 a.m.-12 p.m.
	Bear Cubs	Make It Move	10 a.m.-12 p.m.
	Webelos	Into the Woods	10 a.m.-12 p.m.
	Webelos	Engineer	1-3 p.m.
	Boy Scouts	Citizenship in the World	9:30 a.m.-1:30 p.m.
	Boy Scouts	Electronics	9:30 a.m.-1:30 p.m.
	Boy Scouts	Indian Lore	9:30 a.m.-1:30 p.m.
MARCH 24	Daisies & Brownies	Egypt Trails	10 a.m.-12 p.m.
	Brownies	Inventor	1-3 p.m.
	Juniors	Animal Habitat	10 a.m.-12 p.m.
	Juniors, Cadettes, Seniors	Careers in Science: Biology	10 a.m.-12 p.m.
	Wolf Cubs	Grow Something	1-3 p.m.
	Bear Cubs	Critter Care	10 a.m.-12 p.m.
	Webelos	Into the Wild	10 a.m.-12 p.m.
	Webelos	Adventures in Science	1-3 p.m.
	Boy Scouts	Archaeology	9:30 a.m.-1:30 p.m.
	Boy Scouts	Citizenship in the Nation	9:30 a.m.-1:30 p.m.
APRIL 7	Boy Scouts	Weather	9:30 a.m.-1:30 p.m.
	Daisies & Brownies	Texas Wildlife Trails	10 a.m.-12 p.m.
	Daisies	Model Race Car Challenge	10 a.m.-12 p.m.
	Brownies	Fling Flyers Challenge	1-3 p.m.
	Juniors	Detective	1-3 p.m.
	Cadettes	Netiquette	1-3 p.m.
	Juniors, Cadettes, Seniors	Careers in Science: Geology	10 a.m.-12 p.m.
	Wolf Cubs	Digging in the Past	10 a.m.-12 p.m.
	Bear Cubs	Forensics	1-3 p.m.
	Webelos	Game Design	10 a.m.-12 p.m.
MAY 5	Webelos	Earth Rocks	1-3 p.m.
	Boy Scouts	Citizenship in the World	9:30 a.m.-1:30 p.m.
	Boy Scouts	Geology	9:30 a.m.-1:30 p.m.
	Boy Scouts	Indian Lore	9:30 a.m.-1:30 p.m.
	Daisies	What Robots Do	1-3 p.m.
	Brownies	Race Car Challenge	10 a.m.-12 p.m.
	Juniors	Programming	10 a.m.-12 p.m.
	Cadettes	Budgeting	1-3 p.m.
	Tiger Cubs	Sky is the Limit	10 a.m.-12 p.m.
	Wolf Cubs	Air of the Wolf	10 a.m.-12 p.m.
MAY 12	Bear Cubs	Beat of the Drum	10 a.m.-12 p.m.
	Webelos	Aware and Care	10 a.m.-12 p.m.
	Webelos	Earth Rocks	1-3 p.m.
	Boy Scouts	Electronics	9:30 a.m.-1:30 p.m.
	Boy Scouts	Family Life	9:30 a.m.-1:30 p.m.
	Boy Scouts	Insect Study	9:30 a.m.-1:30 p.m.
	Daisies & Brownies	Gems and Minerals Trails	10 a.m.-12 p.m.
	Daisies	Design a Robot	1-3 p.m.
	Brownies	Leap Bot Design Challenge	1-3 p.m.
	Cadettes	Special Agent	1-3 p.m.
APRIL 28	Tiger Cubs	Curiosity, Intrigue, and Magical Mysteries	1-3 p.m.
	Wolf Cubs	Digging in the Past	10 a.m.-12 p.m.
	Bear Cubs	Forensics	1-3 p.m.
	Webelos	Adventures in Science	10 a.m.-12 p.m.
	Webelos	Looking Back, Looking Forward	1-3 p.m.
	Boy Scouts	Chemistry	9:30 a.m.-1:30 p.m.
	Boy Scouts	Energy	9:30 a.m.-1:30 p.m.
	Boy Scouts	Personal Management	9:30 a.m.-1:30 p.m.
	Daisies & Brownies	Butterfly Trails	10 a.m.-12 p.m.
	Juniors	Detective	1-3 p.m.
SPRING BREAK	Cadettes	Financing My Dreams	1-3 p.m.
	Juniors, Cadettes, Seniors	Careers in Science: Paleontology	10 a.m.-12 p.m.
	CLASSES AT HMNS SUGAR LAND		
	March 13-15 – Boy Scouts	Environmental Science	9:30 a.m.-2:30 p.m.
	March 13 – Boy Scouts	Family Life	9:30 a.m.-2:30 p.m.
	March 13 – Boy Scouts	First Aid	9:30 a.m.-2:30 p.m.
	March 13 – Cadettes	Breathe Journey	9:30 a.m.-2:30 p.m.
	March 14 – Boy Scouts	Citizenship in the Community	9:30 a.m.-2:30 p.m.
	March 15 – Webelos	Movie Making	9:30 a.m.-2:30 p.m.
	March 15 – Boy Scouts	Personal Management	9:30 a.m.-2:30 p.m.
APRIL 28	March 15 – Brownies	Robotics	9:30 a.m.-2:30 p.m.
	March 15 – Juniors	Robotics	9:30 a.m.-2:30 p.m.
	Wolf Cubs	Grow Something	10 a.m.-12 p.m.
	Bear Cubs	Make It Move	1-3 p.m.
	Webelos	Adventures in Science	10 a.m.-12 p.m.
	Webelos	Engineer	1-3 p.m.
	Boy Scouts	Communications	9:30 a.m.-1:30 p.m.
	Boy Scouts	Weather	9:30 a.m.-1:30 p.m.
	Daisies	Board Game Challenge	10 a.m.-12 p.m.
	Brownies	Fling Flyers Challenge	1-3 p.m.