

scouts@HMNS

FALL SCHEDULE ON BACK • REGISTER ONLINE AT HMNS.ORG

The Houston Museum of Natural Science is pleased to announce its badge class schedule for the Fall of 2016 and renew its commitment to the advancement of Boy Scouts and Girl Scouts in the Houston metropolitan area.

Classes will take place on nine Saturdays from September through December. 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. And check out our Badges On Demand online if you can't attend a scheduled class!

CLASS DESCRIPTIONS & MORE INFORMATION

CUB SCOUTS

Cub 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! (11/18)

Sky is the Limit – Take a tour of the night sky, exploring planets, stars, and constellations. (10/21, 12/2)

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! (10/7, 12/9)

Digging in the Past – Take your dinosaur adventure to the next level with the largest paleontology hall in North America! (STEM NOVA) (10/21, 12/2)

Germes Alive – Explore the world of germs, mold and snot to keep you healthy. (STEM NOVA) (9/23, 11/4)

Grow Something – Grow some plants and vegetables to discover how sun, soil, shade and fertilizer affect plants. (STEM NOVA) (11/18)

Motor Away – Learn different ways to make and propel vehicles. (STEM NOVA) (9/23)

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

Forensics – Explore the science used to solve crimes. (STEM NOVA) (9/9, 12/9)

Make It Move – Learn about simple machines and how to make everyday tasks even easier. (STEM NOVA) (9/23)

Robotics – Learn about robots in our world and build your own. (STEM NOVA) (9/30, 11/4)

Super Science – Do experiments on density, static electricity and others while exploring the world of science. (STEM NOVA) (9/23, 10/21, 12/2)

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) (9/9, 9/23, 10/21, 11/18, 12/9)

Art Explosion – Discover your inner artist with activities in sculpting, photography, and illustration. (11/4)

Earth Rocks – Explore the fascinating world of geology by examining the world around you. (STEM NOVA) (10/7, 12/2, 12/9)

Engineer – Explore different engineers and create

some engineering projects. (STEM NOVA) (9/23, 9/30, 11/4)

First Responder (Class fulfills the requirements of the badge and provides participants with 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. (12/2)

Game Design – Explore the elements of game designing and create your own board game. (STEM NOVA) (9/23, 11/18)

Into the Wild – Study a variety of animals and their habitats, and tour the Farish Hall of Texas Wildlife! (STEM NOVA) (9/9, 10/7, 12/2)

Into the Woods – Discuss the importance of plants and trees and examine their impact on your everyday life. (STEM NOVA) (9/30)

Looking Back, Looking Forward – Explore the history of scouting and your place in history and create a time capsule. (10/21)

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! (10/7)

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

Chemistry – Explores how substances react with each other and change, how certain forces connect molecules, and how molecules are made. (10/21, 12/9)

Citizenship in the Community – Scouts will explore how our local governments work within their community. (Eagle) (Prerequisite 3 & 7) (9/9, 12/2)

Citizenship in the Nation – Scouts will learn how to become active citizens and explore *The Bill of Rights: Amending America* limited-engagement exhibit. (Eagle) (Prerequisite 2, 3 & 8) (10/7)

Citizenship in the World – Discuss international

relations and politics around the world. (Eagle) (11/4)

Communications – Learn effective communication skills. (Eagle) (Prerequisite 4, 5 & 8) (10/7, 11/18)

Electricity – Learn electrical safety and build electrical circuits and conductors, while exploring the science of electricity. (STEM NOVA) (Prerequisite 2, 8 & 9a) (9/23)

Electronics – Learn about electrical devices and how they work, exploring circuits, soldering, and Ohm's Law. (STEM NOVA) (9/23, 11/4)

Energy – Explore how energy works, from thermodynamics to alternative fuels. Find out about energy conservation, natural resources, and different forms of energy. (STEM NOVA) (12/2)

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) (9/30, 11/18)

Geology – Learn about the Earth, its materials, and the processes that change it over time, and the history of how these things happened. (9/9, 11/18)

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. (11/4)

Mining in Society – From deep in the ground, to your dinner table, learn the processes, dangers and environmental impacts of mining. (STEM NOVA) (9/23, 9/30)

Personal Management – Scouts will explore budgets, finance and investment strategies. (Eagle) (Prerequisite 2 & 8a-d) (10/21, 12/9)

Weather – Study the Earth's atmosphere and learn about the water cycle, predicting the weather, and discuss extreme weather. (STEM NOVA) (9/9, 12/2)

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.

African Wildlife – Discover Africa's diverse wildlife and adaptations, while exploring the Frenshley/Graham Hall of African Wildlife. (10/7)

Butterflies – Learn about rainforests and the animals they support! (9/9, 11/18)

Science – Conduct experiments and explore the properties of everyday objects. (10/21, 12/9)

Space – Discover more about outer space with Museum astronomers. (11/4)

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

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

Inventor – Find creative solutions to problems. (9/30, 12/2)

Pets – Discover which type of pet is the best one for them and how to take care of it. (10/7)

SJGSC Native American Heritage Patch – Explore the culture of Native Americans. **Members – \$20 per Scout; Non-Members – \$30 per Scout** (11/18)

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

Detective – Learn the science in detection and forensics. (10/7)

Gardener – Explore types of plant materials and plant requirements to grow a garden. (10/21)

Inside Government – Explore government, laws and the people who make them. (11/18, 12/9)

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

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

Animal Helpers – Explore how animals help

people and improve our emotional health. (9/30)

Netiquette – Discover how to make positive choices in the online world. (11/4)

Special Agent – Explore the world of Forensic Science and Criminal Psychology. (10/7, 11/18)

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.

Energy – Explore the different forms of energy through a variety of experiments! (12/2)

Engineering – Work together to construct aqueducts and boats that float with a load! (10/21)

Space Exploration – Discover the robotics and physics used in space explorations. (11/18)

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

FALL 2017 SCHEDULE

CLASSES AT HMNS HERMANN PARK

SEPT. 9	Bear Cubs	Forensics	1 p.m.-3 p.m.	
	Webelos	Adventures in Science	10 a.m.-12 p.m.	
	Webelos	Into the Wild	1-3 p.m.	
	Boy Scouts	Citizenship in the Community	9:30 a.m.-1:30 p.m.	
	Boy Scouts	Geology	9:30 a.m.-1:30 p.m.	
	Boy Scouts	Weather	9:30 a.m.-1:30 p.m.	
	Daisies & Brownies	Butterfly Trails	1-3 p.m.	
	Wolf Cubs, Bear Cubs, Webelos	STEM/Nova Overnight	Sept. 22 – 7 p.m.	
	Wolf Cubs, Bear Cubs, Webelos, Boy Scouts	STEM/Nova Day	9 a.m.-1 p.m.	
	Wolf Cubs	Germes Alive	1-3 p.m.	
SEPT. 23	Wolf Cubs	Motor Away	1-3 p.m.	
	Bear Cubs	Make It Move	1-3 p.m.	
	Bear Cubs	Super Science	1-3 p.m.	
	Webelos	Adventures in Science	1-3 p.m.	
	Webelos	Engineer	1-3 p.m.	
	Webelos	Game Design	1-3 p.m.	
	Boy Scouts	Electricity	12 p.m.-4 p.m.	
	Boy Scouts	Electronics	12 p.m.-4 p.m.	
	Boy Scouts	Mining in Society	12 p.m.-4 p.m.	
	Wolf Cubs	Air of the Wolf	1-3 p.m.	
OCT. 7	Webelos	Earth Rocks	10 a.m.-12 p.m.	
	Webelos	Into the Wild	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.	
	Boy Scouts	Communications	9:30 a.m.-1:30 p.m.	
	Daisies & Brownies	African Wildlife Trails	10 a.m.-12 p.m.	
	Brownies	Pets	1-3 p.m.	
	Juniors	Detective	1-3 p.m.	
	Cadettes	Special Agent	1-3 p.m.	
	Juniors, Cadettes, Seniors	Careers in Science: Paleontology	10 a.m.-12 p.m.	
OCT. 21	Tiger Cubs	Sky is the Limit	1-3 p.m.	
	Wolf Cubs	Digging in the Past	1-3 p.m.	
	Bear Cubs	Super Science	10 a.m.-12 p.m.	
	Webelos	Adventures in Science	10 a.m.-12 p.m.	
	Webelos	Looking Back, Looking Forward	1-3 p.m.	
	Boy Scouts	Astronomy	9:30 a.m.-1:30 p.m.	
	Boy Scouts	Chemistry	9:30 a.m.-1:30 p.m.	
	Boy Scouts	Personal Management	9:30 a.m.-1:30 p.m.	
	Daisies & Brownies	Science Trails	10 a.m.-12 p.m.	
	Juniors	Gardener	1-3 p.m.	
NOV. 4	Juniors, Cadettes, Seniors	Careers in Science: Engineering	10 a.m.-12 p.m.	
	Wolf Cubs	Germes Alive	1-3 p.m.	
	Bear Cubs	Robotics	1-3 p.m.	
	Webelos	Art Explosion	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.	
	Daisies & Brownies	Space Trails	1-3 p.m.	
	Brownies	Bugs	10 a.m.-12 p.m.	
NOV. 18	Cadettes	Netiquette	10 a.m.-12 p.m.	
	Tiger Cubs	Curiosity, Intrigue, and Magical Mysteries	10 a.m.-12 p.m.	
	Wolf Cubs	Grow Something	10 a.m.-12 p.m.	
	Webelos	Adventures in Science	10 a.m.-12 p.m.	
	Webelos	Game Design	1-3 p.m.	
	Boy Scouts	Communications	9:30 a.m.-1:30 p.m.	
	Boy Scouts	Family Life	9:30 a.m.-1:30 p.m.	
	Boy Scouts	Geology	9:30 a.m.-1:30 p.m.	
	Daisies & Brownies	Butterfly Trails	1-3 p.m.	
	Brownies	SJGSC Native American Heritage Patch	10 a.m.-12 p.m.	
DEC. 2	Juniors	Inside Government	1-3 p.m.	
	Cadettes	Special Agent	1-3 p.m.	
	Juniors, Cadettes, Seniors	Careers in Science: Space Exploration	10 a.m.-12 p.m.	
	Tiger Cubs	Sky is the Limit	10 a.m.-12 p.m.	
	Wolf Cubs	Digging in the Past	1-3 p.m.	
	Bear Cubs	Super Science	10 a.m.-12 p.m.	
	Webelos	Earth Rocks	1-3 p.m.	
	Webelos	First Responder	10 a.m.-12 p.m.	
	Webelos	First Responder	1-3 p.m.	
	Webelos	Into the Wild	10 a.m.-12 p.m.	
SEPT. 30	Boy Scouts	Citizenship in the Community	9:30 a.m.-1:30 p.m.	
	Boy Scouts	Energy	9:30 a.m.-1:30 p.m.	
	Boy Scouts	Weather	9:30 a.m.-1:30 p.m.	
	Brownies	Inventor	10 a.m.-12 p.m.	
	Juniors	Product Designer	1-3 p.m.	
	Juniors, Cadettes, Seniors	Careers in Science: Energy	10 a.m.-12 p.m.	
	DEC. 9	Bear Cubs	Robotics	10 a.m.-12 p.m.
		Webelos	Engineer	1-3 p.m.
		Webelos	Into the Woods	10 a.m.-12 p.m.
		Boy Scouts	Family Life	9:30 a.m.-1:30 p.m.
Boy Scouts		Mining in Society	9:30 a.m.-1:30 p.m.	
Brownies		Inventor	10 a.m.-12 p.m.	
Juniors		Product Designer	1-3 p.m.	
Cadettes		Animal Helpers	1-3 p.m.	
Wolf Cubs		Air of the Wolf	10 a.m.-12 p.m.	
Bear Cubs		Forensics	1-3 p.m.	
HMNS	Webelos	Adventures in Science	10 a.m.-12 p.m.	
	Webelos	Earth Rocks	1-3 p.m.	
	Boy Scouts	Chemistry	9:30 a.m.-1:30 p.m.	
	Boy Scouts	Personal Management	9:30 a.m.-1:30 p.m.	
	Daisies & Brownies	Science Trails	10 a.m.-12 p.m.	
	Juniors	Inside Government	1-3 p.m.	
	CLASSES AT HMNS SUGAR LAND			
	September 9	Boy Scouts	Astronomy Merit Badge	4-7 p.m.
	September 22-23	Cadettes	Night Owl Overnight	7:30 p.m.-11:30 a.m.
	October 6-7	Juniors	Journey to the Stars Overnight	7:30 p.m.-11:30 a.m.
October 20-21	Juniors	Journey to the Stars Overnight	7:30 p.m.-11:30 a.m.	
November 3-4	Juniors	Journey to the Stars Overnight	7:30 p.m.-11:30 a.m.	
November 4	Brownies	Passport to the Universe	1-2:30 p.m.	
December 1-2	Juniors	Journey to the Stars Overnight	7:30 p.m.-11:30 a.m.	
			Members – \$25, Public – \$35	
			Girls – \$40, Adults – \$15	
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