

# Programs for Boy Scouts

## FORT WORTH MUSEUM OF SCIENCE AND HISTORY

### 2017

#### Boy Scout Merit Badge Workshops

You schedule it! Pick a date and time that works for your group and we will schedule one of the following workshops for you.

• **Environmental Science (Eagle Scout Requirement)** Join us for an all-day adventure to finish up or jump start earning your Environmental Science Badge! Fun and engaging experiments and activities will be done to learn about our environment, pollution, and animals. Workshop will be conducted between 9am-12pm and 2-5pm with a 2 hour break for lunch and time to explore the museum. \$750 or \$50 per participant, whichever is greater. Lunch and museum admission included with price of this workshop for participants and 2 adult chaperones.

*\*Please note, requirements 1, 3e, 4, 5 and 6 need to be completed either before or after our workshop for the Scout to get full credit for this merit badge.*

• **Chemistry** We will observe and explore chemical and physical changes with hands on experiments, and learn about the effects chemical processes have on our environment. \$450 or \$30 per participant, whichever is greater. *\*Please note, requirements 1, 5, 6a, 6b, and 7 need to be completed either before or after our workshop for the Scout to get full credit for this merit badge.*

• **Engineering** Come and learn how engineers plan, materials are chosen for projects based on their properties, how energy is transferred and how electronics work! \$450 or \$30 per participant, whichever is greater. *\*Please note, requirements 2, 3, 4, 7, 8 and 9 need to be completed either before or after our workshop for the Scout to get full credit for this merit badge.*

• **Fingerprinting** Participants will complete all requirements for their Fingerprinting Merit Badge and learn about other amazing things forensic teams do to help solve crimes. \$450 or \$30 per participant, whichever is greater.

**Interested in a workshop topic you don't see here?** Just ask. We do our best to accommodate special requests.

**How to Register:** Fill out an Interest form and email it to [outreach@fwmslh.org](mailto:outreach@fwmslh.org).

**Questions:** Contact our Outreach Department at [outreach@fwmslh.org](mailto:outreach@fwmslh.org), 817-255-9522 or 817-255-9536.

If your group would like to visit the museum before or after the 3 hour workshop, please contact Group Services 817-255-9440 for details and to purchase discounted tickets for groups of 15 or more.

#### Webelo Scout Adventures

You schedule it! Pick a date and time that works for your group and we will schedule one of the following workshops for you. All workshops are 3 hours and are \$450 or \$30 per participant, whichever is greater.

• **Engineer** Using the Engineering Design Principal participants will design and build projects while learning about the field of engineering. *\*Please note that requirements 1, 2c and part of 4 need to be completed after our workshop in order for the scout to get full credit for this Adventure.*

• **Into the Woods** Learn about the plants and trees that are native to our area and learn about their part in our ecosystem. Plant your own tree to learn from and care for.

• **Adventures in Science** Come and learn about fair tests and do hands on experiments to explore the circuits, chemical reactions and force and motion. *\*Please note for the scout to get full credit for this Adventure, participants need to bring 3 questions about the work scientists do to the workshop.*



**FORT WORTH MUSEUM**  
SCIENCE AND HISTORY

1600 Gendy Street • Fort Worth, Texas 76107  
[fortworthmuseum.org](http://fortworthmuseum.org) • 817.255.9300

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- **Forensics** Come and explore fingerprints, chromatography and analyze substances. See how animals play a part in helping to solve crimes and make imprints of shoes. *\*Please note that requirements 6 and 7 need to be completed before or after our workshop in order for the scout to get full credit for this Adventure.*
- **Super Science** Come and learn all about static electricity and do hands on experiments to learn about buoyancy, density, and acids and bases.
- **A World of Sound** Come and make a mbira, a sistrum, and a rain stick. Learn how sound is transferred through air and play your instruments in a band.

#### Tiger Adventures

You schedule it! Pick a date and time that works for your group and we will schedule one of the following workshops for you. All workshops are 2 hours and are \$300 or \$20 per participant, whichever is greater.

- **Backyard Jungle** Build a bird house, plant a tree and learn about the animals and sounds we hear in our "jungle." *\*Please note, parts of requirements 3 and 4 need to be completed after our workshop for the Scout to get full credit for this adventure.*
- **Stories in Shapes** Learn about abstract art, make 2 pieces of artwork and explore shapes with Tangrams.

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If your group would like to visit the museum before or after the 3 hour workshop, please contact Group Services 817-255-9440 for details and to purchase discounted tickets for groups of 15 or more.

#### Wolf Adventures

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- **Air of the Wolf** Come and explore the wonders of air with hands on investigations! Make paper airplanes, a balloon powered car and a wind instrument to see how air effects how things move. *\*Please note, requirements 3a, 3b and 4 need to be completed either before or after our workshop for the Scout to get full credit for this adventure.*
- **Digging in the Past** Be a Paleontologist and learn all about dinosaurs, fossils and fossil digs!
- **Motor Away** Participants will design and make paper airplanes, boats and a car and see how the properties of each effects is motion.



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