

Chess

This is a reminder that you or your Scout have registered for the Chess Merit Badge, which will take place on Monday, January 15th, 2018 at Freedom High School in Woodbridge, VA. The counselor is Stan Mushaw, who can be reached at smushaw@comcast.net. Please review this [worksheet](#), and bring a printed copy to the merit badge course on Monday.

If you have questions about the specific merit badge, contact Mr. Mushaw. If you have questions about registration, please contact occoquandistrictmeritbadgeday@yahoogroups.com. Thanks, and we look forward to your participation on January 15th!

Citizenship in the Community

This is a reminder that you or your Scout have registered for the Citizenship in the Community Merit Badge, which will take place on Monday, January 15th, 2018 at Freedom High School in Woodbridge, VA. The counselor is Tom Speciale, who can be reached at speciale.pack35@gmail.com. For this course, Scouts need to be prepared to present and discuss requirements 3 (attendance of gov meeting), 4 (important community issues and interviews), and 8 (community presentations). During the Course, Scouts will cover requirements 1 (citizen rights and obligations), 2a (important government locations and facilities), 5 (we will watch part of a movie), and 6 (available government services). Mr. Speciale will review and discuss requirements 2b (government chart), and 7 (charitable organizations) and sign off on these if complete.

If you have questions about the specific merit badge, contact Mr. Speciale. If you have questions about registration, please contact occoquandistrictmeritbadgeday@yahoogroups.com. Thanks, and we look forward to your participation on January 15th!

Citizenship in the Nation

This is a reminder that you or your Scout have registered for the Citizenship in the Community Merit Badge, which will take place on Monday, January 15th, 2018 at Freedom High School in Woodbridge, VA. The counselor is Tom Martin, who can be reached at tom.martin.web@comcast.net. For this course, if the Scouts want to complete all of the requirements that day, they will need to bring persuasive evidence that they have fulfilled requirements 2, 3, 6, and 8 prior to the Merit Badge Day. The other requirements will be covered during the course.

If you have questions about the specific merit badge, contact Mr. Martin. If you have questions about registration, please contact occoquandistrictmeritbadgeday@yahoogroups.com. Thanks, and we look forward to your participation on January 15th!

Engineering

This is a reminder that you or your Scout have registered for the Engineering Merit Badge, which will take place on Monday, January 15th, 2018 at Freedom High School in Woodbridge, VA. The counselor is

Bruce Pixton, who can be reached at brucepixton@gmail.com. The Scouts will need to complete either requirement 5a or 5B. The other requirements will be covered during the course.

If you have questions about the specific merit badge, contact Mr. Pixton. If you have questions about registration, please contact occoquandistrictmeritbadgeday@yahoogroups.com. Thanks, and we look forward to your participation on January 15th!

Personal Management

This is a reminder that you or your Scout have registered for the Personal Management Merit Badge, which will take place on Monday, January 15th, 2018 at Freedom High School in Woodbridge, VA. The counselor is Jim Pierce, who can be reached at jimpierceiii@gmail.com. In order to complete the merit badge, the Scouts will need to have finished their 90-day budget. If they have already completed that, they must demonstrate proof of completion in order to get signed off on the merit badge day. If they have not, they will need to coordinate directly with the counselor to finish that requirements. The other requirements will be covered during the course.

If you have questions about the specific merit badge, contact Mr. Pierce. If you have questions about registration, please contact occoquandistrictmeritbadgeday@yahoogroups.com. Thanks, and we look forward to your participation on January 15th!

Electricity

This is a reminder that you or your Scout have registered for the Electricity Merit Badge, which will take place on Monday, January 15th, 2018 at Freedom High School in Woodbridge, VA. The counselor is Ed Fairbairn, who can be reached at efairbairn@gmail.com or 703-909-5442. Below are the requirements for the merit badge: Please note that the **highlighted** items should be completed BEFORE Scouts arrive for the merit badge

2017 Occoquan Merit Badge Day – Electricity Merit Badge Preparation

1. **(Study & Practice)** Demonstrate that you know how to respond to electrical emergencies by doing the following:

- a. Show how to rescue a person touching a live wire in the home.
- b. Show how to render first aid to a person who is unconscious from electrical shock.
- c. Show how to treat an electrical burn.
- d. Explain what to do in an electrical storm.
- e. Explain what to do in the event of an electrical fire.

2. **(MAKE A CHECK LIST FROM THE PAMPHLET and BRING IN COMPLETED CHECKLIST – Badge will not be signed off without this requirement!)** Complete an electrical home safety inspection of your home,

using the checklist found in this pamphlet or one approved by your counselor. Discuss what you find with your counselor.

3. **(STUDY only. WILL DO DOING MERIT BADGE DAY)** Make a simple electromagnet and use it to show magnetic attraction and repulsion. -

4. **(STUDY)** Explain the difference between direct current and alternating current.

5. **(STUDY – Scouts will make the drawing during merit badge Day)** Make a simple drawing to show how a battery and an electric bell work.

6. **(STUDY and Take a photo of the breaker panel in your home and print out and bring to session. Badge will not be signed off without this requirement!)** Explain why a fuse blows or a circuit breaker trips. Tell how to find a blown fuse or tripped circuit breaker in your home. Show how to safely reset the circuit breaker.

7. **(STUDY)** Explain what overloading an electric circuit means. Tell what you have done to make sure your home circuits are not overloaded.

8. **(BRING IN COMPLETED DIAGRAM – Badge will not be signed off without this requirement!)** Make a floor plan wiring diagram of the lights, switches, and outlets for a room in your home. Show which fuse or circuit breaker protects each one.

9. Do the following:

a. **(STUDY and Take a photo of the electric meter in your home and print out and bring to session. Bring in a copy of your electric bill.)** Read an electric meter and, using your family's electric bill, determine the energy cost from the meter readings.

b. **(STUDY)** Discuss with your counselor five ways in which your family can conserve energy.

10. **(STUDY)** Explain the following electrical terms: volt, ampere, watt, ohm, resistance, potential difference, rectifier, rheostat, conductor, ground, circuit, and short circuit.

11. **(STUDY only. We WILL DO DOING a. and b. during MERIT BADGE DAY and the counselor will bring the materials for this.)** Do any TWO of the following:

a. **Connect a buzzer, bell, or light with a battery. Have a key or switch in the line.**

b. **Make and run a simple electric motor (not from a kit).**

c. Build a simple rheostat. Show that it works.

d. Build a single-pole, double-throw switch. Show that it works.

e. Hook a model electric train layout to a house circuit. Tell how it works.

If you have questions about the specific merit badge, contact Mr. Fairbairn. If you have questions about registration, please contact occoquandistrictmeritbadgeday@yahoo.com. Thanks, and we look forward to your participation on January 15th!

First Aid

This is a reminder that you or your Scout have registered for the First Aid Merit Badge, which will take place on Monday, January 15th, 2018 at Freedom High School in Woodbridge, VA. The counselor is Kent Jamison, who can be reached at kabjamison@yahoo.com. Scouts will need to bring their Scout Books with the First Aid Requirements for Tenderfoot through First Class signed off.

If you have questions about the specific merit badge, contact Mr. Jamison. If you have questions about registration, please contact occoquandistrictmeritbadgeday@yahogroups.com. Thanks, and we look forward to your participation on January 15th!