



**Penobscot Valley District
BSA Spring Camporee May 17-19, 2019
Leader's guide**

Troop 50 will be hosting the 2019 Penobscot Valley District Spring Camporee May 17th - 19th and invite all units to participate in an Aeronautical themed camporee. The Camporee will be held on property surrounding the Lincoln Regional Airport. Travelling North or South on I-95 get off on ext 227. Turn toward Lincoln (U.S 2/ME-6/ME-116). Travel Approximately 3.7 miles and turn left onto the airport road.

Registration/Arrival

All units must register at the entrance to the airport. Cost for registration is \$10 per person. Registration cost includes the patch. Each unit will be assigned to an area for their troop to set up camp. Cub Scout packs are welcome to participate on Saturday. There will be a separate list of activities provided for Cub Scouts during the activity periods that will be provided during registration at the event.

Safety

Our main goal is for everyone to have a fun time and enjoy the activities. You will be camping and participating in activities at a working airport so it is important that everyone follows these simple rules:

- The buddy system must be followed by all scouts.
- No one is permitted on the runway at any time.
- Do not go near planes that are running and not part of the activities.
- Please do not get too close to the river and stay out of the water.
- Stay clear of any float planes that are docking at the river's edge.
- Fire pits must be dug or raised fire pits can be used.
- Scouts should follow Scout law, Oath, outdoor code, and Leave No Trace
- Bug spray should be included in your personal gear.

Patrol Equipment needed

Each patrol needs to be prepared with the following equipment for Saturday Activities:

- First Aid kit (including items to treat for broken bones, burns and bleeding).
- Water bottles
- Scout Handbook
- Fire starting supplies
- Compass - 3 per patrol
- Handheld GPS if available or GPS app for smartphone to track coordinates
- Bright flashlight for Morse code
- Backpack or day bag for carrying supplies.

Cub Scout / Webelos Activities

This is a short list of possible activities for Cub scouts that will be part of the camporee program.

- Fishing derby
- Foam glider building
- Talk to a pilot
- Water bottle rockets

Dessert competition

Each troop should prepare their favorite dessert and share it with everyone in a potluck style bake off. These desserts will be judged in two categories, dutch oven and non-dutch oven. All entries must be brought to the designated location by 5:45 pm. Paper plates and plasticware will be provided for everyone to enjoy the goodies. Be prepared to share your recipes.

Camporee schedule

Friday, May 17, 2019

5:00 PM to 8 PM - Registration and check-in

8:30 Scoutmaster/SPL meeting and Cracker Barrel - Camp Headquarters

11:00 Taps/Lights out

Saturday, May 18, 2019

7:00 AM - 8:30 AM Day Registration

8:45 AM Flag Ceremony - Welcome

9:00 AM - 11:45 Morning Events

11:45 AM - 1:00 PM Lunch

1:15 PM - 3:30 PM Afternoon Events

3:45 PM - 5:30 PM Dinner

5:45 - 6:30 Potluck Desserts

6:30 PM - 7:00 PM Religious Service

7:00 PM - 9:00 PM Awards Ceremony and Movie

11:00 PM Taps/Lights out

Sunday, May 19, 2019

8:30 AM Flag Raising

8:45 AM- 10 AM "Leave No Trace" Check-out

Events

Test Pilot

Construct a foam glider and launch it to see who's glider can have the longest flight. All of the items needed for the building of the gliders will be provided. Scouts will be expected to clean up after themselves. No gliders will be launched until their work area is checked and clean.

Lighter Than Air Flight

Build a small fire and launch a trash bag hot air balloon. The balloon will need to be tethered to a line so it will not blow away. The fastest patrol to build the fire and launch the hot air balloon in the air wins. Trash bags, tape and string will be provided.

Rescue Operation

Your plane has crashed in a remote area. You will need to perform first aid on an injured passengers. After completing the first aid you will need to signal to the rescue team using morse code and relay a message to them. The accuracy of the communications is vital to a successful rescue operation.

Black Box Triangulation

Your patrol is trying to locate a planes missing black box. You are given three sets of bearings from three separate points on the ground. Divide your patrol into 3 groups and using the bearings and compasses to locate the black box as fast as possible.

GPS Tracking

Patrols will be given a list of GPS coordinates. Patrols must retrieve a message from the five locations. The first patrol to retrieve all 5 messages will be rewarded the most points. Points will be rewarded for each message found.

PK Floats Tour

Each troop will take a tour of PK floats during scheduled times throughout the day. Please make sure you are at PK floats at your scheduled time, or you may lose the opportunity to take the tour.

Preflight Check

Each troop/patrol will complete a preflight check on a small airplane. This is a great chance to get to see a plane up close.

Camporee T-Shirts

Official Camporee t-shirts will be available at the camporee for anyone that preorders a shirts before the camporee by April 30th. An order form is included on the last page of the guide.

Aviation merit badge

Scouts will be able to earn a partial merit badge if they bring blue cards during the activities. The requirements that will be available for completion at the camporee are highlighted below. There may be time for some scouts that come prepared to complete requirements 1b -1e and requirement 5 to complete the merit badge by the end of the camporee.

1. Do the following:

a. Define "aircraft." Describe some kinds and uses of aircraft today. Explain the operation of piston, turboprop, and jet engines.

b. Point out on a model airplane the forces that act on an airplane in flight.

c. Explain how an airfoil generates lift, how the primary control surfaces (ailerons, elevators, and rudder) affect the airplane's altitude, and how a propeller produces thrust.

d. Demonstrate how the control surfaces of an airplane are used for takeoff, straight climb, level turn, climbing turn, descending turn, straight descent, and landing.

e. Explain the following: the sport pilot, the recreational pilot and the private pilot certificates; the instrument rating.

2. Do TWO of the following:

a. Take a flight in an aircraft, with your parent's permission. Record the date, place, type of aircraft, and duration of flight, and report on your impressions of the flight.

b. Under supervision, perform a preflight inspection of a light airplane.

c. Obtain and learn how to read an aeronautical chart. Measure a true course on the chart. Correct it for magnetic variation, compass deviation, and wind drift to determine a compass heading.

d. Using one of many flight simulator software packages available for computers. "fly" the course and heading you established in requirement 2c or another course you have plotted.

e. Explain the purposes and functions of the various instruments found in a typical single-engine aircraft: attitude indicator, heading indicator, altimeter, airspeed indicator, turn and bank indicator, vertical speed indicator, compass, navigation (GPS and VOR) and communication radios, tachometer, oil pressure gauge, and oil temperature gauge.

f. Create an original poster of an aircraft instrument panel. Include and identify the instruments and radios discussed in requirement 2e.

3. Do ONE of the following:

a. Build and fly a fuel-driven or battery powered electric model airplane. Describe safety rules for building and flying model airplanes. Tell safety rules for use of glue, paint, dope, plastics, fuel, and battery pack.

b. Build a model FPG-9. Get others in your troop or patrol to make their own model, then organize a competition to test the precision of flight and landing of the models.

4. Do ONE of the following:

a. Visit an airport. After the visit, report on how the facilities are used, how runways are numbered, and how runways are determined to be "active."

b. Visit a Federal Aviation Administration facility control tower, terminal radar control facility, air route traffic control center, or Flight Standards District Office. (Phone directory listings are under U.S. Government Offices, Transportation Department, Federal Aviation Administration. Call in advance.) Report on the operation and your impressions of the facility.

c. Visit an aviation museum or attend an air show. Report on your impressions of the museum or show.

5. Find out about three career opportunities in aviation. Pick one and find out the education, training, and experience required for this profession. Discuss this with your counselor, and explain why this profession might interest you.

T-Shirt Pre Order Form

(All shirts will be gray)

Pre Ordered: \$16 / Ordered at Event: \$20



Front Left



Back

Troop #: _____

Leader Name: _____

Phone #: _____

Sizes (Adults): Small Medium Large X-Large XX-Large

Quantity: _____

Pre ordered shirts will be available at the event.

There will be no additional shirts available!

Preorder by April 30th by sending check & order form to:

Pam Jordan - (207)-290-5319

104 Lee Road

Lincoln, ME 04457