



Webelos Den Meeting 12

Engineers Field Trip

Engineer activity badge (complete).

Preparation and Materials Needed

- ▶ Make arrangements to visit a construction site with an engineer or architect. Ask him or her to be prepared to discuss occupations in engineering, to explain how property lines are determined and how to measure the length of a property line, and to have a set of plans for the project available. Obtain hardhats if necessary.
- ▶ Identify any parents or other pack resources who are engineers (civil, mechanical, structural, electrical, aeronautical, chemical, geological, mining, industrial, management, safety, or sanitary) and could be your activity badge counselor for this meeting.
 - Be sure any guest speaker knows how long the presentation should run, and that you've confirmed what can or should be covered that would be interesting and fun for the Scouts.
 - Show any guest speaker the Engineer chapter in the *Webelos Handbook*.
- ▶ If you are doing this as a field trip, inform Scouts and families about when and where to meet.
- ▶ Materials checklist (add to your den Cub tub of U.S./den flags, paper/pencils, other supplies):
 - For a field trip, hardhats if necessary.
 - If you select alternative activities, see meeting A6 for additional materials needed for those activities.
 - Engineer activity badge pins for each of your Scouts (so they can be awarded if completed today), and compass emblems or points (if those will be completed today).

Before the Meeting

- ▶ Review After the Meeting at the end of the previous den meeting plan for necessary preparation and materials.
- ▶ Make final preparations with assistance from any assistant den leader or other parent helper, den chief, and/or denner. Organize the space (seating, flags, advancement charts, activity materials, handouts, etc.). If you're snacking, organize space for that and the cleanup.

Gathering

- ▶ Have a gathering activity (games, puzzles, other) that will keep Scouts interested and busy and that others may join as they arrive. If the den desires, serve a healthy snack during this time.
- ▶ If you have background materials for the activity badge, Scouts may be interested in reviewing those.
- ▶ If you're on a field trip, as boys arrive, collect permission slips from parents who are not staying.
- ▶ Collect dues, record attendance and any advancement completed at home (a good job for an assistant den leader). Assign parents to meeting roles and hand out a meeting plan to each.

Opening

- ▶ Flag ceremony (rotate planning and leadership to complete **Webelos requirement 6**), with Pledge of Allegiance; maybe recite the Cub Scout Promise or sing a patriotic song; perhaps add a roll call, uniform recognition, or den yell.
- ▶ If you have a guest, give a formal introduction, including what the guest will do for you.

Business Items

- ▶ Remind the boys of appropriate behavior, including safety considerations, at the site of your visit.
- ▶ Use this time also to discuss participation in upcoming pack meetings or events as needed.
- ▶ Explain that today's meeting is to complete work on the **Engineer activity badge**, to hear from an engineer and see what he does.

Activities

- ▶ **Engineer Activity Badge:** Requirements are to do requirements 1 and 2 and then four of 3 through 10. (This meeting does 1, 3, and 4 if you're visiting a construction site. Meeting 11 did 2, 5, and 6.)

1. Talk to an engineer, surveyor, or architect in your area about the different occupations in engineering. Create a list that tells what they do.



3. Visit a construction job. Look at a set of plans used to build the facility or product. Tell your Webelos den leader about these. (Get permission before you visit.)
 4. Visit a civil engineer or surveyor to learn how to measure the length of a property line. Explain how property lines are determined.
 - The activities for this meeting are dependent on the information provided by your host at the construction site.
 - Be sure the Scouts take notes about what engineers do.
- Other **Engineer activity badge** requirements that could be done in lieu of 3 and 4 above (if you cannot visit a construction site are described in Den Meeting 11.
 - In the boys' *Webelos Handbooks*, sign the requirements met (and update your records).

Closing

- ▶ Award (or recognize) any advancement completed today (ideally, award the activity badge, belt loop or compass item completed today, and recognize later at the pack meeting); thank hosts, guests, helpers.
- ▶ Closing ceremony (rotate planning and leadership to complete **Webelos requirement 6**): Retire the colors; maybe with the Boy Scout Oath and/or Law, or the Law of the Pack and/or den yell. Den leader may add a den leader's minute comment.
- ▶ Remind the Webelos Scout who will plan and lead the next meeting's flag ceremony, and remind about home assignments (and include these in any family information letter or e-mail).
- ▶ Hand out or send family information letter.

▶ **Home Assignment:** Review the Craftsman chapter in the *Webelos Handbook*.

After the Meeting

- ▶ If you've changed the sequence of den meetings, double-check to make sure you will still advance your boys appropriately and check with the Cubmaster to make sure you stay coordinated with the pack.
- ▶ Refreshments: If appropriate
- ▶ Cleanup: Recruit enough help to do a good job. Scouts always leave an area as clean, or cleaner, than they found it.