



CEMEX Camp



Mining in Society and Geology Badge

Agenda

Participants meet off-site to take a charter bus to quarry. 8:30 am.

- I. Introduction (9:00-9:10) Community Relations-Sheri Spivey
Kahoot Pre-assessment for scouts
- II. Safety (9:10-9:30) – potential hazards and protective measures used by miners (Vincent McPatrick)
 - a. How PPE is worn and used, including a hard hat, safety glasses, earplugs, dust mask or respirator, self-rescue device and high-visibility vest (Distribute students PPE for tour)
 - b. Protecting hands and feet from impact, pinch, vibration, slipping and tripping/falling hazards
- III. Quality Control- JP (9:30-10:00)
- IV. Mine tour (10:00-11:30) (CEMEX FEC. Plant Mgr. Andy Goicoechea and Joshua Woosley)
 - a. Tasks required to explore, plan, permit, mine and process the resource mined at that site
 - b. Tour the plant and drive to pit (watch a blast)
- V. Lunch (11:45-12:15) (Provided by CEMEX)
- VI. Environmental impacts (12:15-12:45) (CEMEX Environmental Mgr. – Gian Muniz)
 - a. What is being done to help control environmental impacts
 - b. General permit requirements
 - c. Explain reclamation as it is used in mining and how mine reclamation pertains to Scouting's no-trace principles (show examples)
 - d. What values society has about returning the land to the benefit of wildlife and people after mining has ended; discuss the transformation of the BSA Summit Bechtel Family National Scout Reserve from a mine site to its current role
- VII. Geology (1:00-1:45) - (CEMEX Geologist Joshua Woosley)
 - a. What metals and minerals are recycled after their original use has ended
 - b. List 4 metals and 2 non-metals and find out how each can be recycled
 - c. Find out how recycling affects the sustainability of natural resources and how this idea is related to mining
 - d. Review of Florida Geology
 - e. If it's not grown, it's mined
- VIII. Kahoot Post-assessment (1:45-2:00) Sheri Spivey
- IX. Scouts return to off-site location for pick-up (2:00)