

Agenda

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

Pre-event paper quiz taken on the bus on the way to the quarry.

- I. Introduction (9:00-9:10) Community Relations-Sheri Spivey
- II. Safety (9:10-9:30) – potential hazards and protective measures used by miners
 - 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. Concrete planter activity: mined products to make a planter (9:30-10:00) (Sheri Spivey)
- IV. Mine tour (10:15-11:30) (CEMEX FEC. Plant Mgr. @Cain Italia Massey)
 - a. Tasks required to explore, plan, permit, mine and process the resource mined at that site
 - b. Tour the plant and drive to lakes and pit and look for fossils
 - c.
- V. Lunch (11:45-12:15) (Provided by Cemex)
- VI. Geology (12:30-1:15) - (CEMEX @Matthew Lewis)
 - 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
- VII. Rocks and Minerals Lab 1:15-1:45) (Sheri Spivey)
- VIII. Environmental impacts (1:45-2:30) @James P Morris
 - 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
- IX. Post-event assessment and Survey (2:30-3:00)
- X. Scouts return to off-site location for pick-up (3:00)