



**Cemex Camp for Boy Scouts  
474 Sand Mine**



**Mining in Society and Geology Badge**

**Agenda**

- I. Introduction (9:00-9:10) Community Relations-Sheri Spivey  
Pre-assessment for scouts
- II. Safety (9:10-9:30) – potential hazards and protective measures used by miners (Karonica Brice)
  - 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- (9:30-10:00) (Don Whitley)
- IV. Mine tour (10:00-11:30) (CEMEX FEC. Plant Mgr. (Keith Bowen and Mark Loveless)
  - a. Tasks required to explore, plan, permit, mine and process the resource mined at that site
  - b. Tour the plant
- V. Lunch (11:45-12:15) (Provided by CEMEX)
- VI. Environmental impacts (12:15-12:45) (Cemex Environmental Mgr. – James Mott)
  - 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) - (Matt Lewis or David Norton)
  - 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. Post-assessment (1:45-2:00) Sheri Spivey