cross curricular activities
   English class – read: Alto Peltonen, history of a Keweenaw Miner
   Social Studies - local history unit

Science
Day 1:
TESI05 slide show

Day 2:
Cookie mining
Directions attached

Day 3:
Kennecott research
   Who is for the mine? Against? Why?
   Read articles from gazette
   Computer lab research
   Write 1 page paper

Day 4:
Kennecott debate
   For vs. against
   Turn in 1 page research paper

Day 5:
Keweenaw geology
   Show maps
   Compare Isle Royale to Keweenaw
   Make a diagram poster board like Ted’s

Day 6:
Make salt dough model
   Need (per group):
      1 ½ cups salt
      4 cups flour
      1 ½ cups water
      1 teaspoon alum
      Food coloring
      Sugar
   Takes 2 days to dry
Day 7:
_Caledonia mine tour_
Discuss mining techniques
Collect profitable looking basalt specimen

Day 8:
_Salt dough mining_
Extract food colored sugar crystals (ore body)
Discuss 1% recovery
Waste issues

Day 9:
_Processing_
Crush, sift and separate the salt dough project
Pound basalt specimen (from the mine) for copper
Discuss refining techniques

Day 10:
_Environmental protection_
Discuss scrubbers and laws
Do fly ash floatation

Day 11:
_Seaman mineral museum scavenger hunt_
Look at rock crusher (MTU)

Day 12:
_Local history field trip_
Calumet historical society
Kearsarge poor rock pile
Hubble stamp crusher