

Mining History and Methods Research Instructions

Time: 5-6 hours

Supplies:

- History and Social Aspects of Mining Worksheets (1 per student in this group)
- Surface Mining Worksheets (1 per student in this group)
- Underground Mining Worksheets (1 per student in this group)
- Milling and Processing Worksheets (1 per student in this group)
 - Mining History and Methods Resource List (1 per student)
- *Note that many of the books listed in the resource list for this activity can be checked out at the public library; others may be available to borrow from CUSP staff.*

Instructions:

1. Divide the class into 4 groups (1 group per topic). If the class is large, it may be better to divide the class into more than 4 groups, with no more than 4 students per group. If groups are too large, it may be harder for all students to engage in group work.
2. Introduce the 4 topics (History and Social Aspects of Mining; Surface Mining; Underground Mining; Milling and Processing) to the class and assign a topic to each group.
3. Distribute the books and documents to the class (or have them look up the resources available in your school library) and instruct groups to use the materials to complete the worksheet covering their topic. Students will have access to many of the documents through the student webpage on CUSP's service learning website.
4. Some questions on the worksheet keys have suggestions on where students may find answers to the question. This information is not included on their worksheets. Students can also use other resources not listed to find answers to questions. Students should complete the worksheets as a group. Groups will likely take more than one class period to finish the worksheets. Many questions require thorough, lengthy answers.
5. Once students have completed the worksheets, they need to work within their groups to create a 10-minute presentation covering their group's topic. Distribute a grading rubric to each group so they know what criteria they will be graded on.
6. The presentations will be given to the entire class. The presenters are expected to teach the students from other groups about their topic.