

LESSON 2

Creating a Venn Diagram*



*Based on poster article "Jamie Torske: A Mining Engineer at Work"

Objective: To identify, compare, and contrast traits and skills needed to be a mining engineer using the given article.

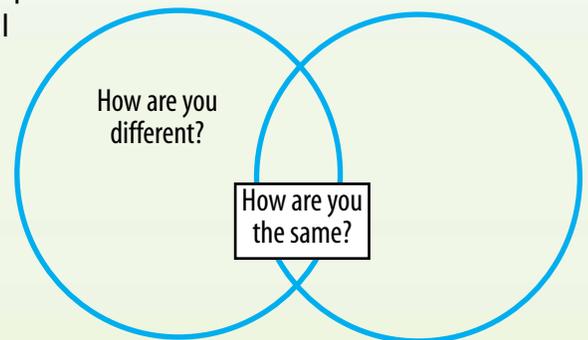
Overview

Students will read the article, "Jamie Torske: A Mining Engineer at Work" and identify the necessary traits and skills needed to do this job. They will then compare and contrast themselves to a mining engineer and use the Venn diagram worksheet to record their findings.

Standards Addressed

Career Development K-12 Competencies and Indicators

- Competency I: Knowledge of the importance of self-concept
- Competency VII: Awareness of the importance of personal responsibility and good work habits



Activity Steps

1. Students will read the article, either as a shared reading with the teacher or as a partner reading with another student. After reading the article once, the students will go back with a highlighter and identify the necessary traits and skills needed to be a good mining engineer (such as math skills and computer skills).
2. Students will make a list of these traits and skills. In some cases, students will have to infer the trait based on the activities that the mining engineer completed. Students are encouraged to add additional traits that they believe the mining engineer possesses based on what they have read.
3. Look at the list that was created. Students will identify the ones that they also possess and write those in the center section of the Venn diagram, showing the comparison. They will then write the ways that they are different in the outside sections of the Venn diagram, showing the contrast. Students should try to have at least 3-4 items listed in each section.
4. After completing the Venn diagram, have students share their results with each other. Who views themselves as being a good mining engineer?