

Risk assessment scenario: Industrial Technology

Answers

Activity 1

1. Read the scenario carefully. What is likely to happen in this situation?

The chisel is likely to slip if the wood is not held securely by a bench hook, G-cramp or vice. The chisel may also slip and cut the hand or damage the piece of work.

2. Identify the hazard in this situation.

The hazard is Lee ignoring a workshop rule and letting her annoyance override her commonsense.

3. Assess the risk of this situation. Consider:

- the likelihood of the hazard causing an injury or illness
- the likely severity of any injury or illness that may occur.

Hazard rating: 3. It is very likely that an injury could occur at any time and first aid would be needed.

3. The next step in the risk management process is to find ways to eliminate or control the risk. How could the risk of this type of accident be further reduced?

Fellow students and teacher being aware of other students who are getting irritated with their work — they pose an increased risk of causing injury or accidents. Frequent revision of safe work practices and reminders at the end of a lesson for students to take care with their work. Students who are having difficulty with their work may need closer supervision.

4. The result of this scenario was that Lee's chisel slips and runs across the top of two of her fingers. The doctor says the wound will require five stitches. The bloodstains can be sanded off the timber when Lee is fit to recommence practical work.

The fourth step in risk management is monitoring and reviewing risk controls. What actions do you think could be taken as a result of this scenario?

The teacher could arrange a revision of safe practices. Students could complete an activity similar to this one to reflect on the situation. A tally of injuries might be kept by the class and reflected on at regular intervals as part of the revision of safe practices.