

HS Health Occupations Task

Writing Prompt (Must incorporate and be relevant to the business/industry in which you worked and must require students to read two texts to complete).

Text 1: "Ergonomics" Citing information from the text, define 'ergonomics' and explain how work-based MSDs can be prevented.

Text 2: "Occupational Noise Exposure" Identifying from the text, how is OSHA involved with noise exposure in occupations?

Text 3: "Transitioning to Safer Chemicals" Based upon your reading, why is it important to use safer chemicals? What hazards can be associated with chemical exposure? What are the regulations set in place for chemicals used within the workplace?

Putting it all together: Create a workplace environmental health and safety plan for your work area in this classroom/school. Make sure to include all hazards and potential exposures, ergonomics, and health and safety.

Common Core State Standards

List the Common Core State Standards associated with your task.

- 1.1 Demonstrate knowledge of OSHA guidelines, Standard Precautions, infection control, chemistry, and physics as related to patient and employee safety.*

CCSS: Key Ideas and Details

- 1. Cite specific textual evidence to support analysis of science and technical texts, attending to the precise details of explanations or descriptions.*
- 2. Determine the central ideas or conclusions of a text; trace the text's explanation or depiction of a complex process, phenomenon, or concept; provide an accurate summary of the text.*

Essential Understandings

What key insights should students take from participating in this task?

Students will learn and relate to OSHA guidelines and how they are regulated within an industry. Students will become aware of a few hazards and risks involved within industry and the responsibilities of healthcare and prevention for all employees. Environmental health and safety is a large part of industry: ergonomics, occupational noise exposure, and safer chemicals to name a few.

Text Dependent Questions

At least 5 open-ended text dependent questions.

Explain the importance of environmental health and safety in the workplace.

How does implementing precautions and educating employees benefit the overall outcome of the entire workplace?

Relate OSHA's involvement with the workplace.

What responsibilities would an occupational nurse have in an industry?

Why is it important to use correct PPE, personal protective equipment, in relation to industrial workplaces?

Texts

Links to two texts used. Include a brief synopsis (2-3 sentences describing the texts).

"Ergonomics"

<https://www.osha.gov/SLTC/ergonomics/index.html>

Ultimately, we strive to fit the job to the worker, not the worker to the job. The work environment should be arranged and managed in a way that is fitting to correct body mechanics in order to prevent work-based injuries.

"Occupational Noise Exposure"

<https://www.osha.gov/SLTC/noisehearingconservation/index.html>

Noise exposure can be a short term or long term health issue within the workplace. OSHA helps to set the standards and regulations of noise and implements the proper PPE, personal protective equipment, needed.

"Transitioning to Safer Chemicals"

https://www.osha.gov/dsg/safer_chemicals/index.html

Many health risks are associated with chemical exposure, whether short term or long term. Workers need to be aware of the exposure that can and will occur at their workplace and take the proper precautions for prevention. It is the responsibility of all included to provide the best protection: OSHA, the workplace, occupational nurses, workers, etc.