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| **Topic:** Crane Safety | **Sub Topic:** Cranes and Rigging |
| **Duration:** 1 Hour | **Resources:** [**Aerial Lifts**](https://www.osha.gov/sites/default/files/publications/aerial_lifts.pdf) |
| **Equipment:**   * Aerial Lifts * Heavy Cotton/Leather Gloves * PPE/PFA * Wire rope * Synthetic Slings | **Videos:** [**Scissor lifts**](https://youtu.be/BjzsLUoS_yU) **Crane safety**  [**Crane failures**](https://youtu.be/6PRk_iKdiTA)[**Crane Fatality-Struck By**](https://youtu.be/nZqNvyqkhXA) |
| **Topic Description:**  This lecture covers crane safety.  Special emphasis will be placed on work practice controls and inspections for cranes and aerial lifts.  **Learning Outcomes:**  Upon successful completion of this lecture, students will be able to:   * Discuss the various systems and practices that ensure crane, hoist, and aerial lift safety. * Describe conformance requirements of Subpart N for aerial lifts used to elevate personnel to jobsites above-ground. * Summarize the major safety concerns for material and personnel hoists and jobsite elevators.   **Activity:**    Step 1         Students partner in groups of 2-4 to conduct a search on Aerial Lift, Personnel Hoist, Personnel Lift.  Step 2    Students describe what you find either by copy and paste of pictures or written descriptions of equipment.  Step 3         Student groups to identify potential hazards and applicable standards.  Step 4         Students to share observations and discuss why they are associated with cranes? | |