

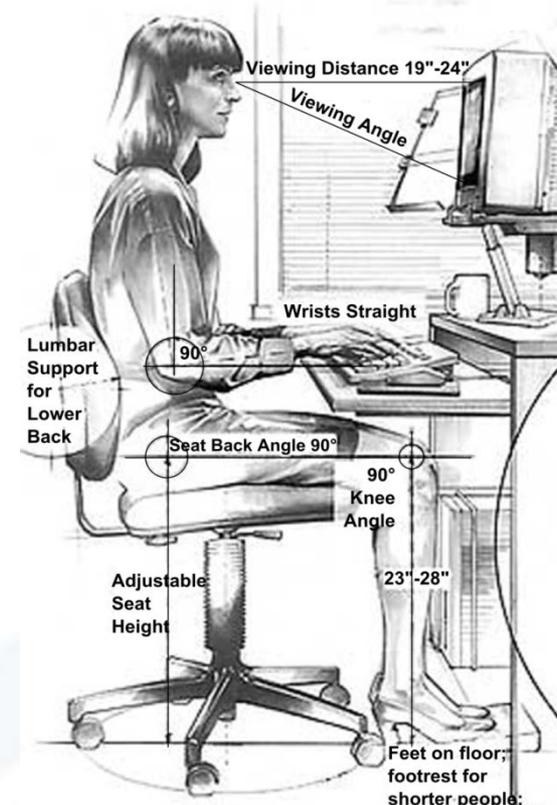
# Take 5 for Safety

*E. Lessard*  
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# Physical Ergonomics

- Physical ergonomics is the science of designing user interaction with equipment and workplaces to fit the user
- One of the most prevalent types of work-related injuries is musculoskeletal disorder; they result in persistent pain, loss of functional capacity and work disability



# Organizational Ergonomics

- Organizational ergonomics is concerned with the optimization of socio-technical systems, including their organizational structures, policies, and processes
- Relevant topics include communication, crew resource management, work design, work systems, design of working times, teamwork, participatory design, community ergonomics, cooperative work, new work programs, virtual organizations, telework, and quality management



# Legacy of Triangle Factory Fire in Manhattan - Organizational Ergonomics

- After the fire, New York State Legislature created the Factory Investigating Commission that identified more than 200 factories where conditions made a fire like that at the Triangle Factory possible
- As a result of the fire, the American Society of Safety Engineers was founded in New York City on October 14, 1911
- In the years from 1911 to 1913, sixty new laws recommended by the Commission were legislated
- New laws mandated better building access and egress, fireproofing requirements, the availability of fire extinguishers, the installation of alarm systems and automatic sprinklers, better eating and toilet facilities for workers, and a limited number of hours that women and children could work

# Picture of the Week

- Step 1: Place charcoal in grill
- Step 2; Spray charcoal with lighter fluid
- Step 3: Light charcoal with match or lighter
- Step 4: Spray dwindling flames with more lighter fluid
- Step 5: Call an ambulance

