

## Job Hazard Assessment and Prevention Profile

Job Titles:                   **SECONDARY SCIENCE TEACHER, AIDE**

**POTENTIAL HAZARD SOURCES:**

**EXAMPLES:**

<i>Sources of motion and rolling or pinching objects</i>	office equipment (laminator, copier, etc.), file cabinet and desk drawers, tables and chairs, carts, vehicles, physics experiments, exhaust hood covers, students (pinching, bites, moving)
<i>Sources of high temperature</i>	bunsen burner (open flame), chemical compounds with exothermic reactions, heating equipment (steam radiators, space heaters), cooking appliances (coffee pot, microwave), copier
<i>Exposure to weather</i>	traveling to and from vehicles, and in between buildings
<i>Sources of chemical exposure</i>	chemicals used in experiments (solids, liquids and gases): a variety of corrosives (acids, bases), flammables, carcinogens, poisons - organic and inorganic compounds; cleaners, degreasers, glues, natural gas (fuels bunsen burners)
<i>Sources of harmful dust</i>	N/A
<i>Sources of light radiation</i>	bunsen burner, lights used in experiments, copier, heating lamps, overhead projector, laser pointer
<i>Sources of falling objects</i>	class supplies on upper shelves and cabinets, loose/wet ceiling tiles, equipment on carts, thrown objects, chemicals stored on shelving, chemical explosions
<i>Sources of sharp objects</i>	broken glassware, pipettes, slides, pencil/pen points, sharp edges of furniture and building trim, knives, scissors, exacto knives
<i>Hazards in layout of workplace</i>	cluttered and crowded aisles and walkways, crowded student workstations, improperly stored chemicals, improperly arranged computer stations
<i>Sources of electrical hazards</i>	improperly used or sized extension cords, overhead projector, small appliances, experiments using electricity, outlets near water
<i>Objects routinely lifted</i>	chemicals containers, books, papers, supplies, desks and chairs, computers, glassware, gas cylinders
<i>Sources of bloodborne pathogen exposure</i>	body fluids from students (injuries), biological experiments/specimens
<i>Sources of noise</i>	congregated students
<i>Sources of workplace violence</i>	student fights, upset parents and co-workers, inappropriate or uncontrolled student behavior

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**Ergonomics:**

<b>Physical risk factors</b>	<b>Frequency</b>	<b>Examples</b>
Awkward postures	Occasional	bending at student workstation
High hand force	N/A	
Highly repetitive motion	N/A	
Repeated impact	N/A	
Heavy, frequent or awkward lifting	Occasional	lifting books, supplies, boxes, chemicals, cylinders
Moderate to high vibration	N/A	

**RECOMMENDED JOB SAFETY TRAINING:**

1. Accident Prevention Program
2. Emergency Procedures, building specific
3. Hazard Communication Program & MSDSs
4. Exposure Control Plan (HBV) and HIV/AIDS
5. Personal Protective Equipment
6. Energy Control Program (Lockout/Tagout) Overview
7. Chemical Hygiene Plan
8. District & School Policies/Procedures
9. Safe Use of Ladders and Stepstools
10. Safe Lifting and Ergonomic Awareness
11. De-escalation Practices
12. First Aid and CPR
13. Office Safety
14. Orientation to Specialized Equipment and Equipment Proficiency

**PERSONAL PROTECTIVE EQUIPMENT NEEDED FOR THE JOB:**

<b>Hazard category</b>	<b>Hazard sources</b>	<b>Personal Protective Equipment</b>	<b>Required or Recommended **</b>
Chemical exposure	corrosives, toxics, poisons, flammables	gloves, goggles, apron, face shield, clean up kits, fume hood	Required
Bloodborne pathogen exposure	student body fluids, biological experiments	gloves, goggles, clean up kit	Required
Exposure to high temperature	heat from chemical experiments, bunsen burners	heat-resistant gloves	Required

\*\* - Required (by WISHA rule) or Recommended (best practice)

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*Reviewed with employee on:* \_\_\_\_\_

*Employee signature:* \_\_\_\_\_

*Supervisor signature:* \_\_\_\_\_