Office of Industrial Relations
Workplace Health and Safety Queensland

HEALTH & HYGIENE

Facilitator Guide

Queensland Government

Timings	Facilitator Notes	Resources
2 hours	Discuss the learning outcome and assessment criteria	Slide 1 Slide 2
	DISCUSS *Refer to Student Notes – What is Health & Hygiene?* Discuss health & hygiene including the eight main areas: • Basic Toxicology • Toxicological Principles • Routes of entry • Toxic Effects of Hazardous Substances • Occupation Hygiene • Types, health Effects and Control of a Worker's Exposure to a Health Hazard • Methods of Controlling Workplace Hazards • Biological Monitoring	Slide 3 Slide 4
	EXPLAIN *Refer to Student Notes – Key pieces of legislation* Explain to participants that there are several pieces of legislation and additional documentation to assist them in the risk assessment, management and control process. • WHS Regulation s351 – Management of risks to health and safety • WHS Regulation s 32 – 38 Managing risks to health and safety • The Managing Risks of hazardous Chemicals in the Workplace COP 2018 • Managing Risks of Hazardous Chemicals in the Workplace COP 2018	Slide 5
	DISCUSS *Refer to Student Notes – Health hazards in the workplace* Discuss health hazards in the workplace • Physical Agents • Biological Agents • Chemical agents	Slide 6
	DISCUSS *Refer to Student Notes – Hazardous chemicals and health - Routes of Entry* Discuss routes of entry including: • Inhalation • Skin Contact	Slide 7 Slide 8

	• Ingestion • Injection	
	DISCUSS *Refer to Student Notes – Hazardous chemicals and health - Common Workplace Hazardous Chemicals* Discuss common Workplace Hazardous Chemicals: • Organic solvents • Adhesives • Paints and paint thinners • Dusts such as asbestos and respirable crystalline silica • Heavy metals such as lead, cadmium and mercury • Welding fumes • Acids, alkalis and other corrosives • Pesticides • Gases such as ammonia and chlorine • Cement	Slide 9
	DISCUSS *Refer to Student Notes – How to Manage the Risk Associated with Hazardous Chemicals* *Refer to WHS Regulation s351 – Management of risks to health and safety* *Refer to WHS Regulation s 32 – 38 Managing risks to health and safety* Discuss The Managing Risks of hazardous Chemicals in the Workplace COP 2018 Discuss Managing Risks of Hazardous Chemicals in the Workplace COP 2018 Discuss Simplified Occupational Hygiene Risk Management Strategies (Australian Institute of Occupational Hygienists).	Slide 9
	DISCUSS *Refer to Student Notes – Assessing Health Risks* Discuss assessing health risks including: • Super toxic • Extremely toxic • Very Toxic • Moderately toxic • Slightly toxic • Practically non-toxic	Slide 10

	DISCUSS *Refer to Student Notes – Basic Toxicology* Discuss basic toxicology including: • Definition • The concept of occupation disease • The DOSE factor • Exposure in the workplace	Slide 11 Slide 12 Slide 13 Slide 14
	DISCUSS *Refer to Student Notes – Toxic Effects of Hazardous Chemicals* Discuss toxic effects of hazardous chemicals including: • Local and systemic effects • Acute and chronic effects • Interactive effects	Slide 15
	DISCUSS *Refer to Student Notes – Occupational Hygiene* Discuss occupational hygiene including: • The concept of workplace exposure standards • The concept of the breathing zone • The exposure standard • Sources of toxicology data • Examples of exposure standards	Slide 16 Slide 17 Slide 18
	DISCUSS *Refer to Student Notes – Types, Health Effects and Control of Common Workplace Hazardous Chemicals* Discuss types, health effects and control of common workplace hazardous chemicals including: • Dusts • Gases • Solvents • Metals	Slide 19 Slide 20 Slide 21 Slide 22
	DISCUSS *Refer to Student Notes – Methods of Controlling Workplace Health Hazards*	Slide 23

	Discuss methods of controlling workplace health hazards including: • Elimination • Substitution • Isolation • Engineering Controls • Administrative Measures • Personal Protective Equipment (PPE)	
	DISCUSS *Refer to Student Notes – Monitoring the Level of Hazardous Chemicals in the Air* Discuss monitoring the level of hazardous chemicals in the air including: • Monitoring of the workplace • Personal monitoring • Area Monitoring • Health monitoring • Biological monitoring	Slide 24

Version	Date	Author
1	30/06/2018	WHSQ