GRADE 8 PRE- TECHNICAL STUDIES RATIONALIZED

LESSON NOTES

STRAND 1: FOUNDATION OF PRETECHNICAL STUDIES

1.1 FIRE AND DATA SAFETY

Importance of safety in a work environment.

- Reduces financial losses needed to repair damaged property.
- Increases business rating because of customer and worker satisfaction.
- Reduces job losses that comes from permanent injuries.
- Reduces financial losses needed for medical expenses.
- Reduces damage to property because of lower number of accidents at workplaces. ・Reduces cases of injury because of lower number of accidents at workplaces. ・It improves productivity.

Causes of fire in a work environment.

- Some of the possible causes of fire outbreak in the work environment include:
- Faulty equipment such as extension cables in places such as kitchens, offices, workshop or warehouses.
- Fires when performing tasks such as welding, flame cutting or grinding. This work generates heat, sparks or flames to cause fire.
- Improper storage of flammable and combustible materials such as flammable liquids or charcoal in workplace.
- Human errors such as using equipment such as electric cooker incorrectly, not reporting faulty machinery as well as leaving cooking food unattended may lead to fire accidents.

Injuries caused by fire at work places.

- Injuries caused by fire occurs when you get in contact with open fire or burning objects.
- Some of the injuries caused by fire in a work environment include:
- Burns-where fire raises temperature of the skin and tissues causing the tissues and cells to die.
- Smoke chocking- where the victim suffers obstructed breathing, seizures and comas.