Workplace Math 11 – Learning Targets

Learning Target	Description

$1-1$	• Identifying different ways of earning
	   o Hourly wage (Overtime, Double-time, etc.)
	   o Salary and Commission (Bi-Weekly vs Semi-Monthly)
	   o Gross vs Net Pay (Basic Deductions – CPP/EI/Income Tax)

$1-2$	• Analyze banking services, investing, and borrowing concerning interest rates
	   o Types of Savings (Simple Interest and Compound Interest)
	   o Types of Interest Affecting Borrowing and Credit Card Basics

$1-3$	• Ability to critically analyze and discuss purchase options and choices
	   o Lease vs Buy
	   o Mortgage vs Rent
	   o Want vs Need

$2-1$	• Understand and interpret graphical representation of information
	   o Different graphs and how they represent information
	   o Legend and Axis Labels and how they help with interpretation

$2-2$	• Analyze slope and the relation it has to rates of change
	   o Vertical and Horizontal slope and what they mean
	   o Independent vs dependant variables
	   o Graphing rates change ($km/hr, \$/hr, etc.$)

$3-1$	• Area to Surface Area Comparisons – 2D to 3D representation images
	   o 2D Net Drawings of 3D shapes
	   o Combining area of multiple surfaces to create Surface Area
	   o Drawing and Constructing 3D Shapes

$3-2$	• 3-Dimensional effect on Volume and Capacity
	   o Volume of Composite Shapes – making those connections
	   o How units connect to the dimensions of the shape
	   o Volume connects to capacity through units of measure

$4-1$	• Relationship between proportions, scale, and similar shapes
	   o Computing proportions and understanding the connection to Scale and similarity of shapes
	   o Drawing different Scales of given images

$4-2$	• Right angle triangle trigonometry
	   o Angles in a triangle add to 180°
	   o SOH CAH TOA trigonometric ratios of right angle triangles
	   o Correct calculator usage (cos, sin, tan, versus $cos^{-1}, sin^{-1}, tan^{-1}$)