<table>
<thead>
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<th>Learning Target</th>
<th>Description</th>
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| 1 – 1           | • Identifying factors, and expressing numbers as a product of primes  
                 • Using factor trees and other strategies to determine LCD and GCF |
| 1 – 2           | • Exponents laws, including rational exponents, with numerical/variable bases  
                 • Positive/Negative exponents, and mixed operations with numerous bases  
                 • Relationships between rational exponents and radical operations |
| 1 – 3           | • Perfect Squares, perfect cubes, and their roots  
                 • Using factors to determine square and cube roots  
                 • Operations with radicals, simplifying and decomposing |
| 2 – 1           | • Understanding the difference between a relation and a function  
                 • Communicating domain and range in linear and non linear functions  
                 • Connecting graphs and contextualized tasks |
| 2 – 2           | • Applying language and concepts to arithmetic sequences (1st term, etc.)  
                 • Connecting to linear equations  
                 • Arithmetic Series (Challenge) |
| 2 – 3           | • Slope: positive, negative, zero, and undefined  
                 • How slope relates to vertical and horizontal lines  
                 • How slope relates to parallel and horizontal lines |
| 3 – 1           | • Using different types of linear equations (point-slope, slope-intercept, general form)  
                 • Converting from forms of equations using algebraic principles to identify intercepts  
                 • Equations of perpendicular and parallel lines, equations through points |
| 3 – 2           | • Solving rate of change (word problems involving slope)  
                 • Applications and modelling of linear equations |
| 3 – 3           | • Function notation  
                 • Connecting between tables, graphs, and equations |
| 4 – 1           | • Solving systems graphically  
                 • Identifying properties of solution, no solutions, infinite solution scenarios |
| 4 – 2           | • Solving systems using the additional principle and substitution method  
                 • Using inspection to connect algebraic equation manipulation to find solutions |
| 4 – 3           | • Connecting ordered pairs with two variable contexts  
                 • Solving problems in situational contexts |
| 5 – 1           | • Classifying and identifying polynomials, degree, like terms etc.  
                 • Monomial, binomial, and trinomial multiplication, distributive method |
| 5 – 2           | • Factoring of a polynomial using GCF  
                 • Factoring using grouping method |
| 5 – 3           | • Factoring trinomials in the form \(x^2 + bx + c\)  
                 • Special factors: perfect square trinomials and difference of squares  
                 • Factoring trinomials in the form \(ax^2 + bx + c\) |
| 6 – 1           | • Understanding Sine, Cosine, Tangent ratios and their inverses  
                 • Calculator usage of trigonometric properties  
                 • Solving right angle triangles for missing sides and angles |
| 6 – 2           | • Relationships of special angles in 30° – 60°90° triangles  
                 • Relationships of special angles in 45° – 45° – 90° triangles |
| 6 – 3           | • Contexts involving direct and indirect measurement  
                 • Contexts involving Pythagorean Theorem and Trigonometric properties |
| 7 – 1           | • Understanding how to calculate hourly wage and wage plus tips, including overtime  
                 • Understanding how salary is calculated from annually, both semi-monthly and bi-weekly |
| 7 – 2           | • Understanding how percentages are applied to discounts and deductions  
                 • Gross vs Net pay and calculating income tax and other deductions  
                 • Simple and Compound Interest |