<table>
<thead>
<tr>
<th>Mathematical Concepts</th>
<th>Processes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Number &amp; Operations</strong></td>
<td><strong>Patterns, Functions, &amp; Algebra</strong></td>
</tr>
</tbody>
</table>
| **K – 2** | • Whole number concepts & operations  
• Numeration  
• Place value  
• Fractions | • Balance & equalities | • Shapes & their properties | • Standard & non-standard systems  
• Perimeter & area  
• Time & temperature | • Chance |
| **3, 4** | • Whole number concepts & operations  
• Fraction concepts & operations | • Factors & multiples  
• Patterns | • Plane figures  
• Congruence, similarity  
• Transformations | • Measurement systems  
• Perimeter, area | • Simple probability  
• Interpretive data |
| **5, 6** | • Fractions, decimals, percents, concepts & operations  
• Integer concepts & operations | • Variable  
• Patterns | • Polygons  
• Transformations  
• Spatial geometry | • Perimeter, area, volume  
• Measurement systems | • Central tendency  
• Theoretical & experimental probability |
| **7, 8** | **Algebra I** | • Polynomials  
• Slope  
• Linear & non-linear functions | • Area, surface area, perimeter, volume  
• Logic  
• Nets  
• Transformations  
• Pythagorean Theorem | • Area, surface area, perimeter, volume  
• Pythagorean Theorem | • Statistics  
• Theoretical & experimental probability |
| **Geometry**  
**Algebra II**  
**Pre-Calculus** | • Limits  
• Direct & inverse variation  
• Proportionality | • Parent functions  
• Transformations  
• Rate of change  
• Function development & application  
• Proportionality | • Proportionality  
• Area  
• Pythagorean theorem  
• Logic | • Perimeter, area, volume  
• Circumference  
• Precision  
• Indirect measurement | • Mathematical models  
• Regression analysis  
• Residual analysis |