



<b>Level:</b>	<b>Secondary One</b>	<b>Topic:</b>	<b>Lesson Plan 2016</b>
<b>Subject:</b>	<b>Mathematics</b>	<b>Teacher:</b>	<b>Mr Hamdan</b>

In the name of Allah, most Gracious, most Compassionate

<u>Week</u>	<u>Topics</u>	<u>Materials</u>	<u>Remarks</u>
<b>T1-Week 2</b>	<p><b><u>Chapter 1: Factors And Multiples</u></b></p> <p>1. Prime Factorisation</p> <ul style="list-style-type: none"> <li>➤ Prime and Composite Numbers</li> <li>➤ Prime Factorisation &amp; Index Notation</li> <li>➤ Square/Cube Root Using Prime Factor</li> <li>➤ Perfect Square/Cube</li> <li>➤ Deducing Multiple Using Prime Factor</li> </ul>		
<b>T1-Week 3</b>	<p>2. Factors &amp; Multiples</p> <ul style="list-style-type: none"> <li>➤ Finding HCF and LCM</li> <li>➤ Relationship Between Prime Factor</li> <li>➤ Problem Sums on HCF and LCM</li> </ul>		
<b>T1-Week 4</b>	<p><b><u>Chapter 2: Real Numbers</u></b></p> <p>1. Introduction to number line</p> <p>2. Different Sets of Numbers</p> <ul style="list-style-type: none"> <li>➤ Odd / Even / Prime / Composite</li> <li>➤ Negative / Positive Integer</li> <li>➤ Natural / Whole Number</li> <li>➤ Perfect Square/ Cube / Triangular</li> <li>➤ Rational / Irrational</li> </ul>		
<b>T1-Week 5</b>	<p>3. Real Numbers &amp; Four Operations</p> <ul style="list-style-type: none"> <li>➤ How to Add &amp; Subtract</li> <li>➤ Order of Operations</li> <li>➤ Real Life Applications</li> </ul>		
<b>T1-Week 6</b>	<p><b><u>Chapter 3: Approximation and Estimation</u></b></p> <p>1. Rounding off</p> <ul style="list-style-type: none"> <li>➤ Significant Figures</li> <li>➤ Decimal Places</li> <li>➤ Digit's Place</li> <li>➤ Whole Number</li> </ul> <p>2. Computing in Real Life Scenario</p>		



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<u>Week</u>	<u>Topics</u>	<u>Materials</u>	<u>Remarks</u>
<b>T1-Week 7</b>	<p><b><u>Chapter 4: Rate, Ratio and Speed</u></b></p> <p><b>1. Ratio</b></p> <ul style="list-style-type: none"> <li>➤ Convert Ratio in Decimals/Fractions</li> <li>➤ Simplify Ratio in Lowest Terms</li> <li>➤ Compute Ratio Word Problems</li> </ul>		
<b>T1-Week 8</b>	<p><b>2. Rate</b></p> <ul style="list-style-type: none"> <li>➤ Understand the Application of Rate</li> <li>➤ Computing Rate in Real Life Scenarios</li> <li>➤ Finding Average Rate</li> </ul>		
<b>T1-Week 9</b>	<p><b>3. Speed</b></p> <ul style="list-style-type: none"> <li>➤ Evaluate Speed with Distance and Time</li> <li>➤ Evaluate Average Speed</li> <li>➤ Conversion of Units</li> </ul>		
<b>T1-Week 10</b>	<b><u>Continual Assessment 1</u></b>		<b>Chapter 1 - 4</b>
<b>T2-Week 1</b>	<p><b><u>Chapter 5: Proportion &amp; Map Scale</u></b></p> <p><b>1. Proportion</b></p> <ul style="list-style-type: none"> <li>➤ Understanding Value of <math>k</math></li> <li>➤ Forming Direct Proportion</li> <li>➤ Solving Direct Proportion with Values</li> <li>➤ Forming Indirect Proportion</li> <li>➤ Solving Indirect Proportion with Values</li> </ul>		
<b>T2-Week 2</b>	<p><b>2. Higher Proportion</b></p> <ul style="list-style-type: none"> <li>➤ Solving with Unknown Value</li> </ul> <p><b>3. Map Scale</b></p> <ul style="list-style-type: none"> <li>➤ Length</li> <li>➤ Area</li> <li>➤ Real World Context</li> </ul>		



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<u>Week</u>	<u>Topics</u>	<u>Materials</u>	<u>Remarks</u>
<b>T2-Week 3</b>	<p><b><u>Chapter 6: Percentage</u></b></p> <p>1. Conversion</p> <ul style="list-style-type: none"> <li>➤ Fractions and Decimals as Percentage</li> <li>➤ Vice- Versa</li> </ul> <p>2. Percentage</p> <ul style="list-style-type: none"> <li>➤ Word Problems Involving Percentage</li> <li>➤ Percentage Increase And Decrease</li> <li>➤ Reverse Percentage</li> </ul>		
<b>T2-Week 4</b>	<p><b><u>Chapter 7: Practical Mathematics</u></b></p> <p>1. Solving Problems</p> <ul style="list-style-type: none"> <li>➤ Money Exchange</li> <li>➤ Taxation</li> <li>➤ Simple/Compound Interest</li> <li>➤ Utilities Bill</li> <li>➤ Hire Purchase</li> </ul>		
<b>T2-Week 5</b>	<p>2. Banking and Sales</p> <ul style="list-style-type: none"> <li>➤ Profit / Loss</li> <li>➤ Percentage Profit / Loss</li> <li>➤ Installments</li> <li>Commissions</li> </ul>		
<b>T2-Week 6</b> <b>T2-Week 8</b>	<b><u>Revision For Mid Year Examination</u></b>		<b>Chapter 1 - 7</b>
<b>T2-Week 9</b>	<b><u>Mid Year Examination</u></b>		<b>Chapter 1 - 7</b>
<b>T3-Week 0</b>	<p><b><u>Chapter 8: Intro to Algebra, Algebraic Equations and Simple Inequalities</u></b></p> <p>1. Basic Algebra</p> <ul style="list-style-type: none"> <li>➤ Basic Operations</li> <li>➤ Interpreting Notation</li> </ul>		
<b>T3-Week 1</b>	<p>2. Algebraic Expression</p> <ul style="list-style-type: none"> <li>➤ Understanding and Translating</li> <li>➤ Writing Expression</li> <li>➤ Evaluating</li> <li>➤ Word Problems Involving Algebraic Expression</li> </ul>		



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<u>Week</u>	<u>Topics</u>	<u>Materials</u>	<u>Remarks</u>
	<p><b><u>Chapter 9: Algebraic Manipulation, Expansion and Factorisation</u></b></p>		
<b>T3-Week 4</b>	<p><b>1. Algebraic Manipulation</b></p> <ul style="list-style-type: none"> <li>➤ Addition and Subtraction of Linear Expression</li> <li>➤ Expand and Simplify</li> </ul>		
<b>T3-Week 5</b>	<p><b>2. Algebraic Factorisation</b></p> <ul style="list-style-type: none"> <li>➤ 2 Subjects</li> <li>➤ 3 Subjects</li> <li>➤ 4 Subjects</li> </ul>		
<b>T3-Week 6</b>	<p><b>3. Algebraic Fraction</b></p> <ul style="list-style-type: none"> <li>➤ Simplify</li> <li>➤ Single Fraction</li> <li>➤ Addition and Subtraction</li> <li>➤ Multiplication and Division</li> </ul> <p><b>4. Changing the Subject of a Formula</b></p> <ul style="list-style-type: none"> <li>➤ One Liner</li> <li>➤ Root / Square</li> <li>➤ 2 Common Subjects</li> </ul>		
	<p><b><u>Chapter 10: Angles and Parallel Lines Geometrical Constructions</u></b></p>		
<b>T3-Week 7</b>	<p><b>1. Angles and Their Properties</b></p> <ul style="list-style-type: none"> <li>➤ Right, Acute, Obtuse, Reflex Angles, Vertically Opposite Angles, Adjacent Angles on a Straight line,</li> <li>➤ Adjacent Angles at a point, Interior and Exterior Angles Angles formed by Two Parallel Lines and a Transversal</li> <li>➤ Corresponding Angles, Alternate Angles, Interior Angles</li> </ul>		
<b>T3-Week 8</b>	<p><b>2. Construction of Geometrical Figures</b></p> <ul style="list-style-type: none"> <li>➤ Applying the Use of Compass</li> <li>➤ Angle / Perpendicular Bisector</li> <li>➤ Parallel and Perpendicular Lines</li> <li>➤ Equidistant of Lines &amp; Points</li> <li>➤ Locus of Points</li> <li>➤ Bearing</li> <li>➤ Explanation on a Given Line</li> </ul>		



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<u>Week</u>	<u>Topics</u>	<u>Materials</u>	<u>Remarks</u>
<b>T3-Week 10</b>	<b><u>Continual Assessment 2</u></b>		<b>Chapter 8 - 10</b>
<b>T3-Week 10</b> <b>T4-Week 1</b>	<b><u>Chapter 11: Triangles and Polygons</u></b> <b>1. Angles in a Triangle / Quadrilateral</b> <ul style="list-style-type: none"> <li>➤ Understanding &amp; Reasoning</li> <li>➤ Different Types of Quadrilaterals</li> </ul> <b>2. Polygon</b> <ul style="list-style-type: none"> <li>➤ Names of All 10 Regular Polygons</li> <li>➤ Sum of Interior &amp; Exterior Angle</li> <li>➤ Total Interior Angle</li> <li>➤ Differentiate Use of Formulas</li> </ul>		
<b>T4-Week 2</b> <b>T4-Week 3</b>	<b><u>Chapter 12: Coordinates and Linear Graphs</u></b> <b>1. Plotting of Graph</b> <ul style="list-style-type: none"> <li>➤ A Set of Ordered Pairs of Values</li> <li>➤ Importance of Accurate Axis</li> <li>➤ Plotting with Equation</li> <li>➤ Finding Gradient</li> </ul> <b>2. 2 Linear Graphs</b> <ul style="list-style-type: none"> <li>➤ Point of intersection</li> <li>➤ Evaluating</li> <li>➤ Explaining Gradients</li> </ul>		
<b>T4-Week 4</b>	<b><u>Revision For End Year Examination</u></b>		
<b>T4-Week 7</b> <b>T4-Week 8</b>	<b><u>End Year Examination</u></b>		<b>Chapter 1 - 12</b>

Total no. of periods in term 1: **periods**

Total no. of periods in term 2: **periods**

Total no. of periods in term 3: **periods**

Total no. of periods in term 4: **periods**

**The End. Alhamdulillah.**