

**Year Group Mathematics Objectives Jane Prelogauskas St Andrew's CE Primary School – August 2014**

YEAR ONE	NUMBER& NUMBER FACTS/CALCULATIONS/PLACE VALUE/COUNTING	GEOMETRY (shape) MEASURES, MONEY ANGLES	STATISTICS (Data Handling)	FRACTIONS DECIMALS PERCENTAGES
Working towards	<ul style="list-style-type: none"> <li>~ Count to and across 20, forwards and backwards, beginning with 0 or 1.</li> <li>~ Recognise, order 1-20 and write in numerals .</li> <li>~ Identify and represent numbers with objects and pictorial representation, including a number line.</li> <li>~ Identify one more/less from a given number up to 20.</li> <li>~ Use language of: <i>equal to, more than, less than, fewer, most, least.</i></li> <li>~ Add and subtract mentally, numbers to 20, including zero.</li> <li>~ Add and subtract one digit numbers to 10 including zero ( written)</li> <li>~ Represent and use number bonds and related subtraction facts to 5.</li> <li>~ Read, write and interpret mathematical statements using symbols =,+,-</li> </ul>	<ul style="list-style-type: none"> <li>~ Recognise and use language relating to dates, including days, weeks, months and years.</li> <li>Compare, describe and solve practical problems for:               <ul style="list-style-type: none"> <li>~Lengths and heights eg longer shorter, taller, double half,</li> <li>~Mass or weight eg. heavier, lighter.</li> <li>~ Capacity, volume eg. Full, empty, more than, less than, lighter than</li> <li>~Time eg. Quicker, slower, earlier, later.</li> </ul> </li> <li>~ Recognise and name common 2D shapes : Eg.rectangles, circles and triangles.</li> <li>~ Compare, describe and solve practical problems for : length, height, weight, mass, capacity volume and time.</li> <li>~Begin to recognise the different denominations of coins.</li> </ul>	No content in New NC But TBA with staff as to its inclusion.	~ Recognise, find and name a half as one of two equal parts of a whole object or shape.
Mainly Achieved	<ul style="list-style-type: none"> <li>~Count to and across 50, forwards and backwards beginning with 0 or 1.</li> <li>~Count read and write numbers to 100 in numerals.</li> <li>~ Count in multiples or twos, fives and tens.</li> <li>~ Represent ns use no bonds within 20 including related subtraction facts.</li> <li>Mentally: given a number up to 50, identify one more/less.</li> <li>~ Continue to use pictorial representation to identify and represent numbers and use concrete objects to calculate and solve problems</li> <li>~ Written: Add and subtract one and two digit numbers to 10 and beyond.</li> </ul>	<ul style="list-style-type: none"> <li>~ Sequence events in chronological order, using language fir example: before and after, half past the hour, today, yesterday, tomorrow, morning, afternoon, evening)</li> <li>~ Tell the time to the hour and draw the hands on an analogue clock face to show these times.</li> <li>~ Recognise common 3D shapes eg, cuboid, cubes, pyramids, spheres.</li> <li>~ Measure using non-standard measures and begin to record length, height, weight, mass, capacity volume and time. ~ Describe position, direction and movements including whole and half turns.</li> <li>~ Recognise and know the different denominations of coins.</li> </ul>		<ul style="list-style-type: none"> <li>~ Recognise, find and name a half as one of two equal parts of a whole object, shape or quantity.</li> <li>~ Share quantities into two equal parts, recognising that each share equates to one half.</li> </ul>
Achieved	<ul style="list-style-type: none"> <li>~ Count, read and write numerals to 100.</li> <li>~ Solve one-step problems involving multiplication and division by calculating the answer using concrete objects, pictorial representations and arrays with support.</li> <li>~ Solve problems with missing numbers, using concrete objects and pictorial representation, solving problems such as: <math>7 = ? - 9</math></li> <li>~ Written: add and subtract one and two digit numbers to 20 including zero.</li> </ul>	<ul style="list-style-type: none"> <li>~ Describe position, direction and movements including half, whole, quarter and three quarter turns.</li> <li>~ Use recognition of 2D and 3D shapes to describe their properties, using vocabulary for example: faces, curved, flat,</li> <li>~ Tell the time to the hour And half past the hour and draw the hands on an analogue clock face to show these times.</li> <li>~ Measure using standard measures and begin to record length, height, weight, mass, capacity volume and time. ~ Describe position, direction and movements including whole and half turns.</li> <li>~ Recognise and know the value of different denominations of coins and notes.</li> </ul>		<ul style="list-style-type: none"> <li>~ Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.</li> <li>~ Share quantities into two and four equal parts, recognising that each share equates to one half or quarter.</li> </ul>

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