Q


|  |  | Mount Charles School Geometry position and direction Objective. K-Knowledge. S-Skills |  |  |  |  |  |
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|  | EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|  | Over, under, underneath, above, below, top, bottom, side <br> On, in, outside, inside In front, behind Front, back, before, after <br> Beside, next to Middle Up, down, forwards, backwards, sideways Close, far Through Towards, away from Side, roll turn | half turn <br> turn <br> quarter turn <br> three-quarter turn <br> position <br> whole turn left <br> right forwards <br> above <br> top <br> middle bottom <br> below <br> up <br> down <br> in between | anticlockwise clockwise |  | Grid coordinates | mirror line translation | Quadrant Reflect translate |
|  | Uses spatial language, including following and giving directions, using relative terms and describing what they see from different viewpoints <br> Investigates turning and flipping objects in order to make shapes fit and create models; predicting and visualising how they will look (spatial reasoning) | describe position, direction and movement, including half, quarter and threequarter turns. <br> K - meaning of words half, quarter and three-quarter K - meaning of words used to describe position, direction and movement | use mathematical vocabulary to describe position, direction and movement including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and threequarter turns (clockwise and |  | describe positions on a 2-D grid as coordinates in the first quadrant <br> K - how to read coordinates in the first quadrant K - how coordinates are written (3,4) <br> S - describe positions on a 2-D grid as coordinates in the first quadrant <br> describe movements between positions as translations of a given | identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed <br> K - difference between reflection and translation K - appropriate language to describe a reflection or translation | describe positions on the full coordinate grid (all four quadrants) K - how to read a full coordinate grid K - how to write coordinates in all four quadrants S - describe positions on the full coordinate grid <br> draw and translate simple shapes on the coordinate plane, and |



O Spots patterns in the $\stackrel{0}{\neq}$ environment, 흑 beginning to identify the pattern "rule" - Chooses familiar objects to create and recreate repeating patterns beyond AB patterns and begins to identify the unit of repeat

| order and arrange |
| :--- |
| combinations of |
| mathematical |
| objects in patterns |
| and sequences |
| $\mathrm{K}-$ the difference |
| between a pattern |
| and a sequence |
| $\mathrm{S}-$ order and |
| arrange |
| combinations of |
| mathematical |
| objects in |
| patterns and |
| sequences |

