



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





May enjoy making simple maps of familiar and imaginative environments, with landmarksS - use appropriate vocabulary to describe position, direction and tockwise and anti- clockwise and anti- clockwise K - difference between rotation as a turn and in terms of right angles for quarter, half and three- quarter turns.unit to the left/right and up/downK - shape does not change when reflected or translatedreflect them in axes.K - difference between rotation as a turn and in terms of right angles for quarter, half and three- quarter turns.K - how to count using the grid lines accurately S - describe movements between positions as translations of a given unitK - shape does not change when reflected or translatedK - the difference between trans and reflection or sizeK - difference between rotation as a turn and in terms of right angles for quarter, half and three- quarter turns.K - how to count using the grid lines accurately S - describe movements between positions as translations of a given unitS - use simple shapes S - reflect shap the axisPlot specified points andvocabulary toplot specified points andN - with axis	
simple maps of familiar and imaginative environments, with landmarksdescribe position, direction and movement.K - meaning of clockwise and anti- clockwiseK - translation is the movement of shape and the shape stays the same sizeor translatedK - the difference between translI and marksK - difference between rotation as a turn and in terms of right angles for quarter, half and three- quarter turns. S - use mathematicalK - neaning of clockwise and anti- clockwiseK - translation is the movement of shape and the shape stays the same sizeor translated S - identify, describe and represent the position of a shape following a reflection or translationK - the difference between transl and represent the sizeK - translationK - translation sizeS - identify, describe and represent the position of a shape following a reflection or translationK - the difference between transl and represent the sizeK - translationK - translation shapesS - describe movements between positions as translations of a given unitS - describe movements languageS - draw and transl simple shapes coordinate pla S - reflect shap the axis	the
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quarter turns.translations of a givenS – reflect shapS – useunitthe axismathematicalbb	n the
S – use unit the axis mathematical	
mathematical	es in
vocabulary to plot specified points and	
describe position, draw sides to complete a	
direction and given polygon	
movement K – properties of	
including polygons	
movement in a K – how to plot points on	
straight line an axis	
S – distinguish K – using a ruler to draw	
between rotation accurately.	
as a turn and in S -plot specified points	
terms of right and draw sides to	
angles for quarter, complete a given polygon	
half and three-	
quarter turns diagram and a second seco	





				FIRE & CELEBRATE SUC
Р	Spots patterns in the	order and arrange		
Pattern	environment,	combinations of		
	beginning to identify	mathematical		
	the pattern "rule"	objects in patterns		
	 Chooses familiar 	and sequences		
	objects to create and	K – the difference		
	recreate repeating	between a pattern		
	patterns beyond AB	and a sequence		
	patterns and begins to	S – order and		
	identify the unit of	arrange		
	repeat	combinations of		
		mathematical		
		objects in		
		patterns and		
		sequences		
		sequences		