Subject	Year		Month	s and a second s
Mathematics	9		May	
	То	pic:		
Transformations				6 LESSON
Content (Intent)		1		
 Prior Learning Y7 June Reflections (incl. equations for horizontal, vertical and diagonal mirror lines) Rotations Translations (incl. vector notation) Y8 Nov Enlargements (only positive and fractional sf) Y8 May / Y9 March Straight line equations (which help with mirror lines) 		 Future Learning Y10 (summer term) All four transformations are discussed in detail for both Foundation as well as Higher tiers Going into all the details for each transformation Transformations are being mixed. Enlargement is linked to SIMILAR SHAPES Translations is linked with the topic VECTORS Invariant points discussed Negative scale factor 		
 Reflections (1 lesson) Horizontal, vertical and diagona Fully describe the reflection Construct the reflection Rotations (1 lesson) Degrees, clockwise, anti-clockw Centre of rotation Describe and construct Translations (1 lesson) Describe and construct Vector Enlargements (2 lessons) Describe and construct Centre of enlargement Positive and fractional scale fac 	ise			
Pedagogical notes (implementation)		How will understanding be assessed & recorded (Impact)		
Notation Cartesian coordinates should be separated by a comma and enclosed in brackets (x, y) Vector notation $\binom{a}{b}$ where a = movement right and b = movement up		In class assessment. Assessments in Year 10 How can parents help at home? MathsWatch clips Qualification KS3 : G3, G4a and b, G4b, G5 , G6 , G7 Qualification GCSE : 48, 49, 50, 148, 181a, 182		
Further reading/discussion		, , ,		
Reading / Enrichment	Literacy x-axis, y-axis Origin Transformations: Trans Reflection, Rotation, Enlargement	slation,	Numeracy Links	Careers Links Animator Fashion designer Plumber CAD engineer Game developer

Enlargement

Object, Image

Mirror line

Vector

Congruent, congruence

Centre of rotation

Similar, Similarity

Scaling, Scale factor

Centre of enlargement

Game developer Interior designer

Urban planner

Cartographer

Construction worker

Mechanical engineer

Robotics engineer

Surveyor

Architect