Year 10 Maths- FT January PPE1 information

Tier	Topics	Revision Resources (including links)
Foundation		www.sparxmaths.co.uk *Sparx Clip Numbers:*
	- Continuing Fibonacci, triangular & square sequences	M241, M981
	- Nets of 3D shapes	M518
	- Simplify ratios	M885, M543
	- Make sensible estimates for length, mass and volume	M487
	- Use function machines to find inputs and outputs	M175, M428
	- Simplify products of algebraic terms	M120, M608
	- Square, square roots, cube and cube roots	M135
	- Use properties of angles at a point	M502
	- Use properties of angles on a straight line	M163
	- Use properties of oppositive angles at a vertex.	M818
	- Sort data using venn diagrams	M829, M419
	- Enlarge shapes using a positive scale factor	M178
	- Translations	M139
	- Plot coordinates in all four quadrants	M618
	- Perimeter of simple shapes	M920, M635
	- Area of rectangles	M390
	- Four operations with decimals	M429, M152, M803
	- Division calculations that result in decimals	M288
	- Share a total in a ratio	M525
	- Substitute positive numbers into expressions	M417, M327
	- Collect like terms	M795, M531, M949
	- Solve linear equations with one term	M707, M509
	- Solve simple linear inequalities	M118
	- Prime decomposition	M108
	- Angles in parallel lines	M606
	- Angles in triangles and quadrilaterals	M351, M679
	- Averages with discrete data	M440, M127
	- Rotations using a centre of rotation	M910
	- Linear Graphs	M797, M932

	- Multiplication and division calculations	M187, M354, M263
	- Ratio problems when given the difference between two quantities	M801
	- Multiplying algebraic terms	M813
	- Expanding one bracket	M237
	- Factorise simple linear expressions	M100
	- Convert between percentages and decimals	M958, M264
	- Bearings	M260, M416
	- Averages and range of discrete data	M841, M940, M934, M328
	- Draw and interpret conversion graphs	U652, U638
	- Circumference of circles, semi and quarter circles and compound shapes	U604
	- Area of circles, semi and quarter circles and compound shapes	U950
	- Laws of Indices	U851,U235,U694
	- Finding a percentage of an amount	U554, U349
	- Increase and decrease amounts by percentages	U773, U671
	- Using a multiplier for percentages	U671
	- Substitutions	U201, M327
	- Four operations with standard form	U264, U290