NSF Pre-Mathcounts Coaching - Syllabus

Beginner	Intermediate	Advanced
Measurements and Units	Percentages	Permutations and Combinations
Decimals and Fractions	Prime Factorization, GCF, LCM	Probability
Fractions Review	Probability	Arithmetic and Geometric Series
	Statistics- I	
Raio & Proportion and similar figures	Mean, Mode, Median	Systems of Equations
Absolute Values	Algebra Variables -1	Systems of Equations Word Problems
Geometry	Application of Algebra with one variable	Solving Inequalities
Divisibility - LCM, GCF	Application of Algebra - age related problems	Geometry - Right Triangles
Singapore Math - Alternate way of solving	Application of Algebra - perimeter and investment	
problems	problems	Venn Diagrams
	Statistics- 2	
Sequences, Series, Patterns	Frequency, stem and leaf plots	Coordinate Geometry
Graphs and Data	Geometry-1 Angles and Pythogaras thorem	Compound Interest
PEMDAS	Geometry -2 - Parallel Lines Ratio proportion	Sector Area and Length
Number Sense Tricks	Geometry-3 Areas and Volume	Revision of Probability
Percent Proportion	Work problems - direct and inverse variation	Composite Functions
Squares, Square roots, Areas, Geometry		Polynomials
Review		Review of all weeks